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State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES

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July 14, 1995

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JUL 19 1995

COMPLIANCE BRANCH

R. G. Chevalier, Vice President  
Northeast Utilities  
PO Box 270  
Hartford CT 06141-0270

Subject: National Pollutant Discharge Elimination System (NPDES) Permit  
PSNH--Schiller Station  
Permit #NH0001473.

Dear Mr. Chevalier:

On May 1 and 2, 1995, I conducted an NPDES compliance sampling inspection (CSI) at Schiller Station in Portsmouth, New Hampshire. The following is a report of that inspection, a copy of which will be forwarded to the Environmental Protection Agency with EPA form 3560-3 (attached).

Individuals present during the inspection were:

Allan Palmer - Sr. Engineer, PSNH  
John Brackett - Chemical Department Supervisor, Newington Station  
Dave Corliss - Working Foreman Chemical, Schiller Station  
Stephanie Larson - Environmental Inspector, NHDES.

WC  
7/24

The inspection consisted of a review of analytical methods and records concerning your NPDES permit, a tour of your NPDES outfalls and a visual examination of the receiving stream. Effluent samples were taken from the treatment plant (outfall 016) and were analyzed for oil and grease, total suspended solids, iron, copper and pH.

The following are items that were discussed during the inspection, including deficiencies, comments and recommendations:

**A. Permit**

Schiller Station's current NPDES permit will expire on October 12, 1995, and is scheduled to be reissued later this year. If you have any questions regarding permit reissuance please contact Jacques Parent at 271-2457.

**B. Compliance Schedules**

A Letter of Deficiency (LoD) was issued to Public Service Company of New Hampshire (PSNH) in August 1994 after the company reported the entrapment of a large number of

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lobsters in the Unit 4 intake screen wash on July 29, 1994. The LoD required PSNH to provide the NHDES with additional information regarding the fish entrapment incident and the replacement of the trash rack at the intake screen house. This information was provided in a letter dated August 19, 1994.

As a follow-up to the LoD, an Administrative Action was issued by the NHDES to PSNH in October 1994. The Administrative Action found that PSNH was in violation of several monitoring and reporting requirements of their NPDES permit. As a result, PSNH was required to complete at least \$14,500 worth of NHDES-approved projects that provide for a direct environmental benefit to the citizens or the fish and wildlife of the State of New Hampshire. PSNH provided documentation of these projects in May 1995 and was subsequently released from the Administrative Action. PSNH must also continue to monitor the intake screen wash for any additional entrapment of lobsters until further notice from DES or until their NPDES permit is reissued.

C. Effluent/Receiving Waters

Effluent samples from outfall 016 were analyzed for oil and grease, total suspended solids, copper, iron and pH. There were no permit limit violations noted.

	<u>results</u>	<u>limit</u>
Oil & Grease	<1.0 mg/L	20.0 mg/L
TSS	2 mg/L	100.0 mg/L
Copper	<.05 mg/L	1.0 mg/L
Iron	.063 mg/L	1.0 mg/L
pH	6.6 SU	6.5 - 8.0 SU

With the exception of the LoD and the Administrative Action noted above, there were no additional deficiencies found during the inspection. In addition, there were no effluent limit violations this past year at the station. Facility personnel have worked hard to achieve this goal and should be commended for their commitment to water quality. Although the monitoring and reporting violations noted above are serious in nature, I am confident that they will not recur.

If you have any questions regarding this inspection or any NPDES related issues please contact me at the Water Supply and Pollution Control Division address shown on the first page, or at (603)271-2457.

Sincerely,

Stephanie Larson  
Environmental Inspector  
WQ/Permits & Compliance Bureau

cc: Joy Palmer - EPA New England  
Allan Palmer - Sr. Engineer, PSNH  
John Brackett - Chem. Dept. Supervisor, Newington Station