



**Public Service  
of New Hampshire**

Admin # 203

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100 Elm Street, Manchester, NH 03101 **OCT 08 1997**

Public Service Company of New Hampshire  
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The Northeast Utilities System

September 30, 1997

Ms. Joy Palmer  
NPDES Program Operations Section (WCP-2109)  
U.S. Environmental Protection Agency  
P.O. Box 8127  
Boston, MA 02114

Dear Ms. Palmer:

In compliance with Part I, Section A, 10.b.2, of Merrimack Station's NPDES permit (Permit No. NH0001465) Public Service Company of New Hampshire (PSNH) herein submits this report of an extraordinary impingement event. Verbal notification was given to the NHDES, NHF&GD, USEPA, and USF&WS Monday morning, September 29, 1997.

On Friday, **September 26, 1997** at **5:45 p.m.** there was an extraordinary impingement event at PSNH's Merrimack Generating Station located on the Merrimack River in Bow, New Hampshire. Approximately **100-150 juvenile river** herring became impinged on **Unit 2's** circulating cooling water intake screens.

Station management notified the PSNH fisheries biologist at 6:30 p.m. A representative sample of fish was taken. Twenty-six (**26 river herring**) were measured and preserved for further analysis. The river herring ranged in length from 6.5 cm to 9.5 cm.

As required in the permit, PSNH conducts impingement monitoring at the Merrimack Station when flows from Garvins Falls Station drop below 900 CFS from July 1 through October 15.

PSNH believes the impingement event was due to the increased number of juvenile fish observed in the river this year.

If you have any questions, please feel free to call me at 634-2383.

Sincerely,

Curt Mooney  
PSNH Associate Scientist

