

## **NOTE**

**Only the cover page of this document is being provided/posted on the EPA Region 1's Merrimack Station NPDES Draft Permit Web page.**

**For further viewing, the full document is available at EPA Region 1.**

**The full document may contain a Table of Contents, Executive Summary, List of Figures, List of Tables, etc.**



**Public Service  
of New Hampshire**

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

700

Public Service Company of New Hampshire  
P.O. Box 330  
Manchester, NH 03105-0330  
(603) 634-2236  
Fax (603) 634-2213  
macdojm@psnh.com

December 22, 2005

D23384

The Northeast Utilities System

Mr. Harry Stewart, P.E.  
State of New Hampshire  
Department of Environmental Services  
Water Division  
29 Hazen Drive, P.O. Box 95  
Concord, N. H. 03301

John M. MacDonald  
Vice President - Operations

4 2005

Reference: NPDES Permit No. NH0001465, Merrimack Station,  
Public Service Company of New Hampshire, issued June 25, 1992  
and modified October 2, 1992.

Dear Mr. Stewart:

Merrimack Station  
Environmental Monitoring Program Annual Report

This correspondence is being provided to transmit Merrimack Station's dissolved oxygen, pH, and water temperature data in accordance with annual requirements of Merrimack Generating Station's NPDES permit.

Public Service Company of New Hampshire (PSNH), in accordance with section 6(a) and 7 of the referenced permit, submits the environmental monitoring program annual report for its, Merrimack Station. The report covers the period June 1, 2004 through May 31, 2005. It presents the data collected explains outages that occurred and summaries of remedial actions taken to keep the systems in service.

If you have any questions, please contact Mr. Paul Basiliere, PSNH Production Operations Services at (603) 634-2684.

Very Truly Yours,

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE

---

John M. MacDonald, Vice President, Operations

Enclosure  
CC: See Page 2

Mr. Harry Stewart, P.E.

December 22, 2005

D23384 / Page 2

CC: w/Enclosure

Mr. Michael Nolan, Commissioner  
Department of Environmental Services  
29 Hazen Drive  
Concord, N. H. 03301

Mr. Thomas J. Croteau, Environmental Inspector  
Department of Environmental Services  
Water Division  
29 Hazen Drive, P. O. Box 95  
Concord, NH 03301

Mr. Lee E. Perry, Executive Director  
N. H. Fish and Game Department  
25 Hazen Drive  
Concord, N. H. 03301

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

Mr. John King (CPE)  
U.S. Environmental Protection Agency- Region I  
1 Congress Street, Suite 1100  
Boston, MA. 02114-2023

780

ANNUAL REPORT

2004-2005

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE

MERRIMACK GENERATING STATION

ENVIRONMENTAL MONITORING PROGRAM

(NPDES PERMIT NO. NH0001465)

JAN 4 2006

## TABLE OF CONTENTS

- I. EXECUTIVE SUMMARY
- II. GENERAL BACKGROUND
- III. SYSTEM DESCRIPTION
  - Figure I - Station Locations
- IV. MAINTENANCE PROGRAM
- V. ANNUAL SUMMARY
  - Table 1 - Summary of Monthly Average Data
  - Table 2 - Summary of Major Equipment Malfunctions
  - Table 3 - Summary of Station S-0 pH Data
- VI. MONTHLY SUMMARY REPORTS