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

697

DEC 29 2010

ANNUAL REPORT

2009-2010

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE

MERRIMACK GENERATING STATION

ENVIRONMENTAL MONITORING PROGRAM

(NPDES PERMIT NO. NH0001465)

PSNH Merrimack Station 2009-2010
Environmental River Monitoring Report
NPDES Permit No. NH0001465

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 N-5 and S-0 pH Data

- VI. MONTHLY SUMMARY REPORTS



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697

December 22, 2010

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DEC 29 2010

The Northeast Utilities System

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State of New Hampshire
Department of Environmental Services
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John M. MacDonald
Vice President - Generation

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, 2009 through May 31, 2010. It presents the data collected and 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 Generation Operations Services at (603) 634-2684.

Very Truly Yours,

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE

John M. MacDonald, Vice President, Generation

Enclosure/ CC: w/Enclosure/ See Page 2

Mr. Harry Stewart, P.E.

December 22, 2010

D29719 / Page 2

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