



**Public Service
of New Hampshire**

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

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

The Northeast Utilities System

John M. MacDonald
Vice President - Generation

December 18, 2009

D28519

DEC 21 2009

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

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, 2008 through May 31, 2009**. 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

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Mr. Harry Stewart, P.E.

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CC: w/Enclosure

Mr. Thomas S. Burack, Commissioner
Department of Environmental Services
29 Hazen Drive
Concord, N. H. 03301

Mr. Thomas J. Croteau, Environmental Inspector
Department of Environmental Services
Water Division - Dam Bureau
29 Hazen Drive, P. O. Box 95
Concord, N. H. 03301

Mr. Glenn Normadeau, 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

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DEC 21 2009

ANNUAL REPORT

2008-2009

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE

MERRIMACK GENERATING STATION

ENVIRONMENTAL MONITORING PROGRAM

(NPDES PERMIT NO. NH0001465)

PSNH Merrimack Station 2008-2009
Environmental Monitoring Report
NPDES Permit No. NH0001465

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I. EXECUTIVE SUMMARY

PSNH operates four (4) environmental monitoring stations. Two of the monitoring stations record seasonal river temperature only. These are N-10 and S-4, located north and south of the plant respectively. A monitoring station at the Unit #2 intake (N-5) records dissolved oxygen and pH of the incoming river water. Finally, a monitoring station at the out fall of the discharge canal (S-0) records dissolved oxygen, pH, and temperature. Figure 1 displays station locations.

This report covers twelve (12) months of continuous monitoring of the above parameters at the four (4) monitoring stations. The report period is June 2008 through May 2009.

During the year, there were two major outages of ten days or longer.

Several data outages also occurred during the year, and were of lesser duration. A recurring cause of the data outages is electrical storm activity. Despite extensive protection, lightning strikes and subsequent voltage surges frequently burn out probe and circuit board components along with associated hardware. Table 2 will provide a complete listing of major equipment malfunctions with more detailed explanations.

Backup monitoring systems were used to collect substitute data whenever the installed equipment was out of service. Whenever possible, the minimum and maximum data points for temperature and pH were recovered for that day. The substitute data is provided by either backup equipment maintained by station personnel or by operators recording grab samples during routine rounds. When the stations are in service, the grab sample data is used to confirm the primary data readings. More specifics are provided in Section IV. Part D

Compliance with NPDES permit limits were maintained throughout the year. Table 1 will provide a summary of parameter average data on a monthly basis. The pH probe readings at Station S-0 were occasionally less than 6.5 SU due to naturally occurring conditions. Table 3 displays data for Station N-5 which verifies the pH of ambient waters. On occasions, slight pH differentials beyond normal were recorded between monitoring stations. This was generally caused by probe fouling as explained in Table 3.

It is important to note that the record established by 32 years of ecological studies and environmental monitoring at Merrimack Station demonstrates that the cooling water discharge has not adversely impacted the community of aquatic life in the river. pH levels reflect ambient conditions and, along with temperature readings, closely track historical trends. Unaffected passageways below the thermal plume have been documented and shown to be sufficient for fish migration. A Technical Advisory Committee (TAC) consisting of regulatory agency personnel was formed during the year 1992 to review the Merrimack Station biological and hydrological programs. PSNH submitted a research report which summarized and analyzed the thermal effects of the cooling water discharge on the aquatic community. Field studies were conducted in 1994 and 1995 to further assess the affects on the anadromous fish migration season and on the indigenous fish populations. Reports were submitted to the TAC:

1. Merrimack Station Thermal Discharge Modeling Study.
Normandeau Associates, Inc. October 1996.
2. Merrimack Station (Bow) Fisheries Study.
Normandeau Associates, Inc. January 1997.

In more recent years, several additional studies have been submitted to investigate the effects of the cooling water intake and discharge in more detail, including:

1. Proposal for Information Collection to Address Compliance with the Clean Water Act §316(b) Phase II Regulations at Merrimack Station, Bow, New Hampshire. Normandeau Associates, Inc. April 2005.
2. Merrimack Station Thermal Discharge Effects on Downstream Salmon Smolt Migration. Normandeau Associates, Inc. December 2006.
3. A Probabalistic Thermal Model of Merrimack River Downstream of Merrimack Station. Normandeau Associates, Inc. April 2007.
4. Merrimack Station Fisheries Survey Analysis of 1967 through 2005 Catch and Habitat Data. Normandeau Associates, Inc. April 2007.

5. Entrainment and Impingement Studies Performed at Merrimack Generating Station from June 2005 through June 2007. Normandeau Associates, Inc. October 2007.
6. Response to the United States Environmental Protection Agency CWA §308 letter, PSNH Merrimack Stations Units #1 and #2, Bow, New Hampshire. Public Service of New Hampshire (PSNH), Enercon Services Inc. and Normandeau Associates. November 2007.
7. Biocharacteristics of Yellow Perch and White Sucker Populations in Hooksett Pool of the Merrimack River. Normandeau Associates, Inc. June 2009.
8. Biological Performance of Intake Screen Alternatives to Reduce Annual Impingement Mortality and Entrainment at Merrimack Station. Normandeau Associates, Inc. September 2009.
9. Supplemental Alternative Technology Evaluation, PSNH Merrimack Station Units #1 and #2, Bow, New Hampshire. Enercon Services, Inc. October 2009.

The biological data from Merrimack Station's monitoring programs continue to indicate that no adverse environmental impact to the aquatic ecosystems of the Merrimack River in the vicinity of the station has occurred, as measured by any representative important species or critical aquatic organism population as a result of the Stations existing CWIS operation.

II. GENERAL BACKGROUND

Normandeau Associates, Inc. conducted extensive ecological studies of Merrimack Station's impact on the river from 1972 through 1978. Continuous temperature monitoring has been a normal part of station operations for approximately 32 years. In June of 1979, EPA issued a revised NPDES permit which expanded the monitoring to include dissolved oxygen and pH parameters. A summary of the program's development follows:

<u>DATE</u>	<u>ACTIVITY</u>
6/80	The new D.O. and pH equipment is put into service. Environmental Engineers, Inc. (EEI), an affiliate of the Weston Group, is hired to coordinate the entire program.
9/81	The first annual report of the expanded program for 1980-1981 is submitted.
6/84	PSNH staff personnel assume responsibilities for the field portion of the program.
12/84	PSNH staff replaces EEI as the entire program coordinator.
8/86	The field maintenance and data collection portions of the program are delegated to Merrimack Station personnel.
6/87	Biological Monitoring Program system inexperience required the station responsibilities be remanded to PSNH staff. Station duties are reduced to daily basic equipment checks. A decision was made to dedicate an Environmental Analyst with five (5) years of experience to the program.

Equipment improvements have been regularly implemented to accelerate and upgrade the program. In October 1986, a new Beckman Dissolved Oxygen System was installed at Station S-0 to improve reliability and in June of 1987 an automated personal computer editing program was created to expedite data processing. In April of 1989, a new Beckman Dissolved Oxygen System was installed at Station N-5 to improve reliability. In March and April 1991, a new YSI temperature monitoring system was installed at stations N-10, S-0 and S-4 to improve reliability. In June of 1995 a new Great Lakes Instrument pH System was installed at N-5 and S-0 to improve reliability. In July 1998, new Campbell Scientific Data loggers were installed at all data collection stations to improve reliability. In conjunction with the new data loggers, a new Windows 95 based personal computer data editing program was created to expedite data processing. In April 2000 a new Rosemount Analytical Dissolved Oxygen system was installed at N-5 and S-0 to improve reliability.

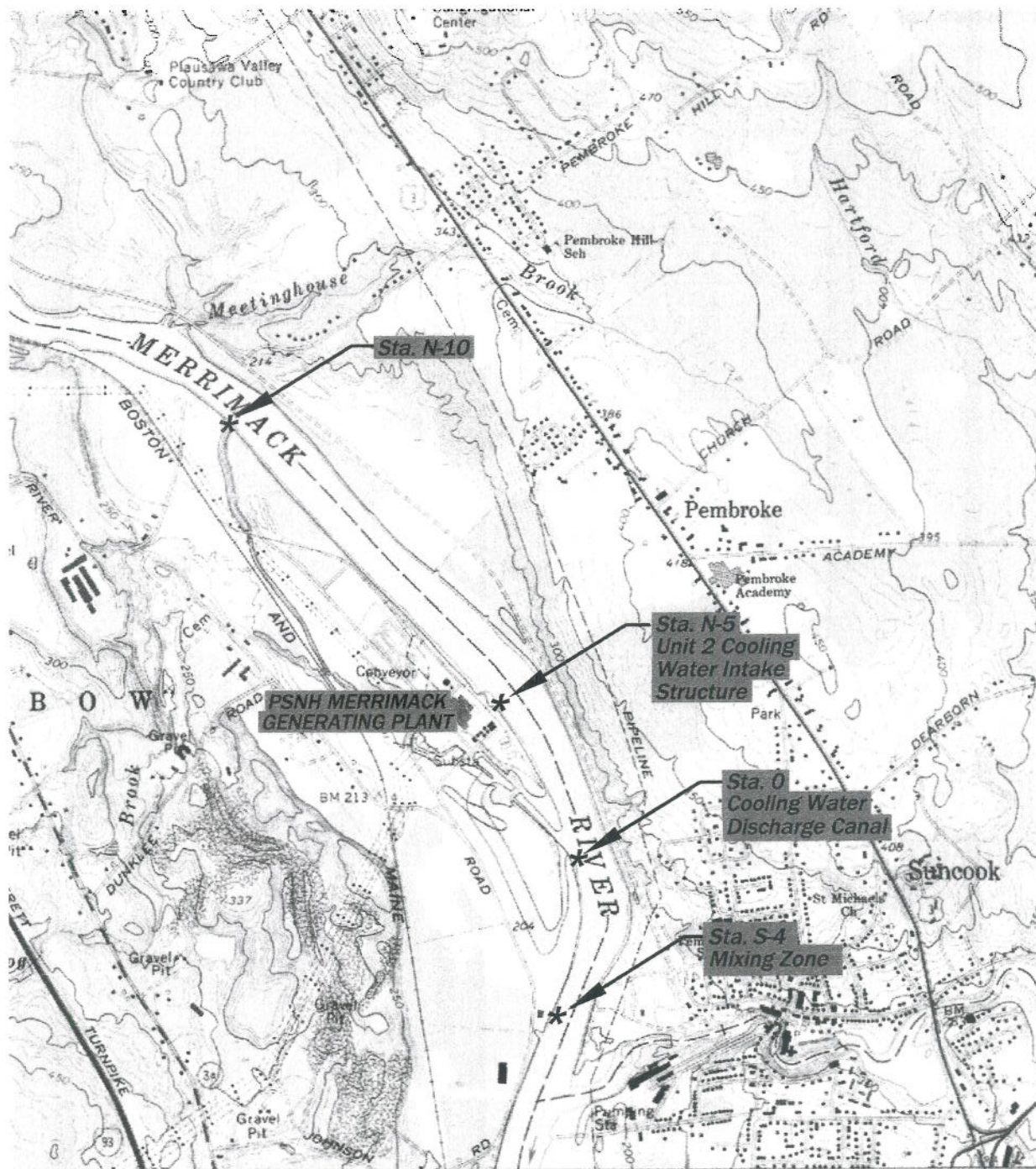
A Windows 2000 software upgrade was required for the Campbell Scientific data loggers to make the data compatible with a Windows 2000 upgrade to the edit/ report program. In December 2000 the SO instrument control cable that connects the probes with the analyzers and data loggers suffered a slow and intermittent internal lead failure to the dissolved oxygen probe. It was not repairable. On short notice a new cable was ordered and obtained but only a shorter run was available. Consequently the SO enclosure was moved closer to the probes to accommodate the new cable and improve reliability. In June 2002 enhanced lightning protection devices were installed at all locations to improve reliability. In May 2003 new Scan Data radio systems were installed to try to improve response time for station acquisition of data. In November 2005 the S0 and N5 pH analyzers were replaced with an updated Great Lakes Model 53 pH analyzer. In November 2006 and March 2007 the pH systems at S0 and N5 were replaced with new Rosemount Analytical Solu Comp II pH analyzers and Models 3300HT and 399VP pH probes due to the lack of factory support for the Great Lakes Instruments pH system. In March 2008 a new Rosemount Analytical Model 5081 pH analyzer and a new Model 399-62 low ionic strength and low temperature pH probe was installed at N5 to improve reliability. In July 2008, new Rosemount Model 1056 dual input (DO and pH) analyzers were installed at N5 and S0 to replace the Model 1054B analyzers due to lack of factory support. In December 2008 a new Rosemount Analytical Model 5081 pH Analyzer and a new Model 399-62 low ionic strength and low temperature pH probe was installed at S0 to improve reliability.

It is evident that the Monitoring Program is dynamic and has been modified frequently during its history. Many of the changes were associated with setbacks that hindered the reporting process. In particular, PSNH's assumption of the data processing function proved to be a tremendously time consuming task. An entirely new in-house computer system was required to collate the significant data base. These improvements have made it possible to submit the annual reports in a more timely manner.

III. SYSTEM DESCRIPTION

A. General

The system consists of four monitoring stations located as shown in Figure 1. The parameters measured at each station are as follows:



										NPDES PERMIT NO. NH0001465													
										DRAWN		Public Service										System	
										<u>WNT</u>		of New Hampshire										Projects	
										DESIGNED		CONTINUOUS BIOLOGICAL MONITORING PROGRAM MERRIMACK STATION 97 RIVER ROAD BOW, NEW HAMPSHIRE											
										CHECKED													
										<u>WNT</u>													
										APPROVED		SCALE		DATE		SHEET		DRAWING NO.					
										<u>PB</u>		1"=2000'		1/14/2004		___ OF ___		D-10139					
NO.		REVISION				DATE		DRWN		CHKD		APPR											

FIGURE. 1
PARAMETERS

<u>STATION</u>	<u>TEMP.</u>	<u>D.O.</u>	<u>pH</u>
N-10	X	N/A	N/A
N-5	N/A	X	X
S-0	X	X	X
S-4	X	N/A	N/A

Station N-5 pH and S-0 pH and temperature are kept operational all year. Stations N-10 and S-4 temperature probes are operational on a seasonal basis.

B. Installed Equipment

Stations N-10 & S-4

The temperature monitoring equipment at N-10 & S-4 consists of the following basic components:

- Logan Instruments shielded 250 foot cable (installed in river)
- Logan Instruments Platinum RTD sensor
- Wilkerson Instruments Control Module
- Scan- Data radio
- Scan- Data radio transmitter (R T)
- Campbell Scientific CR 10X data logger

With the exception of the temperature probes, all of the above equipment is installed within an equipment enclosure. The temperature probes, located near midstream, are deployed approximately 6" inches below the water surface of the river on buoys which are anchored to the bottom of the river.

The radio transmitter provides a signal to a Scan- Data base station which interfaces with an INVENSYS (Foxboro) IADCS Computer in the control room at the power station. The CR 10X data logger is used for data storage.

Station N-5

The installed equipment at Station N-5 consists of the following basic components:

- Instrumental panel enclosure with the following equipment:
 - * Rosemount Model 1056 D.O. analyzer (Duel Input)
 - * Rosemount Analytical Model 5081 pH analyzer
 - * Campbell Scientific CR 10X data logger
- Field Probes
 - * Rosemount Model 499A D.O. probe
 - * Rosemount Analytical Model 399-62 VP pH probe

The instrument panel enclosure is mounted in the screen house and the field probes are mounted in the north bay inlet adjacent to the traveling screens in Unit #2 intake structure. The probes are free floating and submerged approximately 6-inches below the water surface in the north bay inlet. The CR 10X data logger is used for data storage.

Station S-0

The installed equipment at Station S-0 consists of the following basic components:

- S-O instrument panel enclosure
 - * Scan- Data radio
 - * Scan- Data radio transmitter (R T)
 - * Rosemount Model 1056 D.O. analyzer (Duel Input)
 - * Rosemount Analytical Model 5081 pH analyzer
 - * Campbell Scientific CR 10X data logger
 - * Wilkerson Instruments Control Module

- Field probes

- * Rosemount Model 499A D.O. probe
- * Rosemount Analytical Model 3300 HT pH probe (summer operation)
- * Rosemount Analytical Model 399-62 VP pH probe (winter operation)
- * Logan Instruments Platinum RTD temperature probe

With the exception of the field probes, all of the above equipment is housed within an enclosure. The field probes are mounted on the railing of a floating bridge located near the end of the cooling water discharge canal. The probes are positioned in the middle of the canal, 6-inches below the water surface. The CR 10X data logger is used for data storage.

IV. MAINTENANCE PROGRAM

A. General

The system maintenance program consists of weekly and monthly preventive maintenance. The weekly program consists primarily of cleaning and inspecting all onshore equipment and instruments. Every month, or more frequently if required, the instruments are calibrated and a boat is used to inspect, clean, and if required replace the RTD probe river installations.

B. Weekly Maintenance Program

During the weekly site visit, the following procedures are completed:

- Station N-5:
 1. Inspect D.O. probe. Clean probe. Check to insure the probe is approximately 6" below the water surface.
 2. Inspect pH probe. Clean electrodes. Check to insure the probe is approximately 6" below the water surface. Check % slope output on the pH probe.
 3. Check battery voltage reading of the CR 10X data logger. If battery voltage is below 12.0V, replace gel battery power supply according to manufacturer's manual.

4. Check data logger outputs for D.O. and pH against instrument readings. If data logger output and instrument readings do not agree, refer to troubleshooting sections of manufacturer's manual.

Station S-0:

1. Follow procedure 1-4 as listed above for Station N-5.
 2. Clean temperature probe and check to insure the probe is approximately 6" below the surface of the water.
 3. Using a precision thermometer, check and record the temperature of the water at the probe location. Check and compare with D.O. and pH probe temperature outputs.
 4. Check the temperature output from the data logger. If the temperatures do not agree, perform an electronic calibration or refer to the troubleshooting sections of the manufacturer's manual.
- Stations N-10 & S-4:
Check the temperature outputs from the data loggers. If temperatures are out of range, perform an electronic calibration or refer to troubleshooting procedures in the manufacturer's manual.
 - All Stations:
 1. Check all data for accuracy and consistencies.
 2. Replace components or instruments as needed.

C. Monthly Maintenance Program

During the monthly site visit, the following procedures are completed:

- Stations N-10 & S-4:
 1. Using the boat, go out to the buoy at each station, clean buoy and probe of debris and check to insure the probe is approximately 6" below the surface of the water.
 2. Using a precision thermometer, check and record the temperature of the water where the probe is located.

3. Check the temperature output from the data logger. If the temperatures do not agree, refer to troubleshooting sections of the manufacturer's manual.

- Stations N-5 & S-0

1. Check calibration of the D.O. and pH probes according to the manufacturer's manual and the project SOP manual.

- All Stations

1. Check all data for accuracy and consistency.
2. Replace components or instruments as needed.

D. Discussion

A number of equipment repair and replacement problems occurred with the monitoring program during the reporting period which resulted in a corresponding number of data outages. Table 2 lists the major equipment malfunctions and the associated remedial actions. Additionally, the system suffered numerous short-lived data outages due to A. C. power interruptions, and unknown causes. In most cases, these minor outages went undetected and the system repaired itself without further service.

Auxiliary sources of data were enlisted to maintain monitoring program continuity during most extended data outages. Installed backup temperature monitoring equipment on the unit condensers is utilized to recover ambient river water temperatures when N-10 station is out of service. A Hach Titration Kit and a bench calibrated portable pH meter are utilized by maintenance personnel on a weekly basis to supplement the data base. This grab sample data has been incorporated into the continuous monitoring data and is reflected in the monthly summaries.

PSNH makes a concerted effort to maintain equipment availability. The general nature of operating field equipment, however, makes this a difficult task. Occasionally vendors have discontinued manufacturing replacement parts and or factory service for in-service units. Repairs for these units is sometimes more troublesome. When justified, PSNH has replaced entire instruments to maintain the program integrity. As mentioned elsewhere, much attention has also been given to upgrade and improve the computer data processing function which helps audit equipment performance. In general, data retrieval from the program has been good.

V. Annual Summary

pH

Permit compliance was maintained. Station-to-station data was generally consistent with past seasonal fluctuations. On occasion recorded data was not completely consistent over short duration. This is attributed to minor disruptions such as probe fouling, floating debris, lightning damage and A. C. power outages. PSNH successfully limits these upsets by performing weekly maintenance inspections. Values below 6.5 SU were recorded during the year due to naturally occurring ambient conditions (see Table 3).

Temperature

Power spray modules were operated in accordance with the permit conditions. Station-to-station data was generally consistent with past seasonal fluctuations.

Stations S-0, S-4, and N-10 were in service at the beginning of the monitoring period. Station N-10 records are supplemented with data from unit condenser operation log when it is out of service. Station N-10 was removed from service on November 24, 2008 when the ambient river temperature fell below 40° F. Station S-4 was removed from service on November 24, 2008.

Station S-4 was installed on April 1, 2009 and Station N-10 was installed on April 1, 2009. The ambient river temperature was 40.8°F.

Unit condenser RTD temperature data was used to supplement data collection during N-10 station outages.

CHILL EVENTS

In the 1991-1992 report, PSNH began reporting chill events in the cooling canal due to the curtailment of unit operation. The chill events were defined as events in which the temperature in the canal dropped at least 10 degrees centigrade in a 24-hour period to a temperature of less than 10 degrees centigrade.

There were five chill events (formally cold thermal excursions) due to the operation of the plant during the monitoring period.

On February 12, 2009 at 1550 plant operation was curtailed with Unit #2 due to scheduled maintenance for boiler floor repairs. The unit was returned to service on February 17, 2009 at 0600.

On February 25, 2009 at 1535 plant operation was curtailed with Unit #2 due to unit cyclone leaks. The unit was returned to service on February 27, 2009 at 1653.

On April 6, 2009 at 1047 plant operation was curtailed with Unit #2 due to a main boiler feed pump recirculation valve malfunction. The unit was returned to service on April 6, 2009 at 2350.

On April 20, 2009 at 1635 plant operation was curtailed with Unit #1 due to scheduled maintenance for repairs on a plugged air heater. The unit was returned to service on April 27, 2009 at 1351.

On April 22, 2009 at 1631 plant operation was curtailed with Unit #2 due to a sudden pressure relay trip on the unit running transformer. The unit was returned to service on April 23, 2009 at 0512.

Dissolved Oxygen

Compliance with Class B water quality standards was maintained and concentrations were generally consistent with past seasonal fluctuations. Unfortunately, outages due to weather and other ambient environmental conditions occur. PSNH is stocking a large spare equipment inventory to prevent multiple outages.

Station N-5 probe was removed from service on December 2, 2008 after ambient river temperature fell below 40°F. Station S-O probe was removed from service on December 5, 2008. The probe was installed at S-O on April 13, 2009, and the probe was installed at N-5 on April 17, 2008. The average ambient river temperature on April 13, 2009 was 46.2 °F.

TABLE 1. SUMMARY OF MONTHLY AVERAGE DATA

ANNUAL REPORT

PUBLIC SERVICE OF COMPANY NEW HAMPSHIRE

MERRIMACK GENERATING STATION

ENVIRONMENTAL MONITORING PROGRAM

	<u>Month</u>	<u>N-10</u>	<u>N-5</u>		<u>S-0</u>			<u>S-4</u>
		<u>Temp.</u>	<u>D.O.</u>	<u>pH</u>	<u>Temp.</u>	<u>D.O.</u>	<u>pH</u>	<u>Temp.</u>
First Quarter	June	20.4	8.2	6.9	31.1	6.8	7.1	23.1
	July	23.8	7.8	6.9	32.7	6.6	6.9	25.3
	August	21.6	8.3	6.9	32.1	6.8	7.0	24.4
Second Quarter	Sept	19.7	8.2	6.9	28.3	6.9	7.0	22.1
	Oct	12.9	9.8	6.9	24.5	7.9	7.1	14.1
	Nov	7.3	11.4	6.8	17.7	9.3	6.9	8.9
Third Quarter	Dec	NA	NA	6.9	16.2	NA	6.9	NA
	Jan	NA	NA	6.8	19.2	NA	6.8	NA
	Feb	NA	NA	6.8	15.3	NA	6.8	NA
Fourth Quarter	March	NA	NA	6.7	14.5	NA	6.7	NA
	April	8.4	10.5	6.6	19.1	8.3	6.6	10.0
	May	15.4	9.0	6.8	24.9	7.3	6.9	16.3

Temperature Units = Degrees Centigrade

Dissolved Oxygen Units - mg/liter

pH units - Standard Units

NA - Station not in service during winter months

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TABLE 2. SUMMARY OF MAJOR EQUIPMENT MALFUNCTIONS

<u>DATE</u>	<u>STATION</u>	<u>PARAMETERS</u>	<u>CAUSE/REMEDIAL ACTIONS</u>
6/22-6/24	S0	pH, DO	Two lightning strikes cause DO & pH analyzer failures. Replaced with backup units and calibrated.
6/25	S0	pH	Lightning strike causes pH analyzer failure. Rewired pH into new dual input Rosemount 1056 analyzer and calibrated.
6/25- 6/26	S0	DO	Lightning strike causes DO analyzer failure. Using last 1054 backup unit as replacement. No factory support. Calibrated.
7/18	S4	Temp.	RTD is detached from its river mooring and placed on the riverbank. Placed back on the river mooring and calibrated.
7/23-7/25	S0	pH, DO	Lightning strike damages both DO & pH analyzers. Both parameters are rewired into Rosemount 1056 analyzer and calibrated.
7/24-7/25	N10	Temp.	RTD is cleanly cut off from the shielded cable at the river mooring. Replaced with new 250 foot cable and RTD & calibrated.
7/31-8/1	S0, S4	Temp.	AC power outage on River Road circuit. Unknown cause. RTD mighty module failure at both locations when power restored. Replaced and calibrated.
8/3-8/20	S0	pH, DO	Multiple lightning strikes occurring over consecutive days have exhausted the supply of in stock backup analyzers. All damaged units shipped to Rosemount in Irvine, CA for repair. (See PSNH letter D27234 dated 9/3/08 to NHDES/EPA regarding data losses due to lightning damage & analyzer losses.)

TABLE 2. SUMMARY OF MAJOR EQUIPMENT MALFUNCTIONS (con't)

<u>DATE</u>	<u>STATION</u>	<u>PARAMETERS</u>	<u>CAUSE/REMEDIAL ACTIONS</u>
10/15	N10	Temp.	RTD cable has been gnawed through and severed. Replaced and calibrated.
11/5-11/6	N5	pH, DO	AC power outage in Unit #2 screenhouse. Breaker P24 tagged out of service. AC Power restored. Analyzers checked for calibration.
12/2	N5	pH	AC power outage to install Rosemount 5081 pH analyzer and probe for winter operation.
12/12	S0	pH, Temp.	AC power outage on River Road circuit. AC power restored. Unknown cause.
12/28-12/29	S0	pH	Internal RTD failure on pH probe. Replaced with backup probe and calibrated.
4/16	S0, S4	All	AC power outage on River Road circuit. AC Power restored. Unknown cause.

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TABLE 3. SUMMARY OF pH DATA

Throughout the year, pH values fell below the specified lower limit of 6.5 SU. These occurrences were caused by the natural reduction of the pH due to the ambient conditions of the Merrimack River. A monthly summary of the pH data is provided below. This data is not identical to the data reported on the monthly DMR because it is a quick visual scan of all monthly pH data recorded, at S-0 and N-5.

<u>MONTH</u>	<u>N-5 RANGE</u>	<u>S-0 RANGE</u>
JUNE	6.49 -7.27	6.52 -7.40
JULY	6.51 -7.33	6.67 -7.19
AUGUST	6.60 -7.66	6.50 -7.31
SEPTEMBER	6.63 -7.34	6.68 -7.34
OCTOBER	6.70 -7.16	6.55 -7.27
NOVEMBER	6.55 -7.27	6.70 -7.12
DECEMBER	6.55 -7.17	6.62 -7.20
JANUARY	6.72 -7.10	6.63 -7.21
FEBRUARY	6.67 -7.01	6.53 -7.12
MARCH	6.52 -6.88	6.50 -6.84
APRIL	6.42 -6.79	6.46 -6.97
MAY	6.60 -6.96	6.61 -7.27

On average, the differential between stations N-5 and S-0 is typically 0.3 SU or less. Occasionally the differential drifts slightly higher, usually due to probe fouling. The fouling process is aggravated during the year by various events such as river temperature increases, and spring run-off. To date, the quality of data collected has not been significantly affected by probe fouling. PSNH has improved the equipment inspection and data processing schedules to lessen the impact of fouling and detect discrepancies.

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Merrimack Station biological monitoring data is organized in the following chronological sequence, June 2008 through May 2009. Twelve months of data are arranged by parameter:

<u>Station</u>	<u>Parameter</u>
S-0	Dissolved Oxygen
S-0	pH
S-0	Temperature
N-5	Dissolved Oxygen
N-5	pH
N10	Temperature
S-4	Temperature

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2008

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2008	6.80	0945	6.64	6.44	0145	96
06/02/2008	6.98	1030	6.78	6.55	1830	96
06/03/2008	7.16	1230	6.73	6.24	0645	96
06/04/2008	6.79	2345	6.52	6.28	0315	96
06/05/2008	6.78	2245	6.66	6.50	1345	96
06/06/2008	7.74	2330	7.10	6.23	0830	96
06/07/2008	7.72	0015	7.19	6.55	2230	96
06/08/2008	6.74	1130	6.61	6.28	1815	96
06/09/2008	6.70	0200	6.58	6.41	1445	96
06/10/2008	6.64	0130	6.43	6.11	2000	96
06/11/2008	6.49	2030	6.32	6.14	0015	96
06/12/2008	6.54	0200	6.35	6.21	1545	96
06/13/2008	7.22	0945	6.74	6.33	0445	96
06/14/2008	6.98	1330	6.81	6.67	2015	96
06/15/2008	6.86	0930	6.70	6.54	2230	96
06/16/2008	7.20	1330	6.94	6.45	0230	96
06/17/2008	7.20	0800	7.03	6.77	2300	96
06/18/2008	7.06	0815	6.81	6.32	2400	96
06/19/2008	7.13	0915	6.76	6.28	0215	96
06/20/2008	6.96	2030	6.77	6.50	1815	96
06/21/2008	7.24	1615	6.94	6.53	2245	96
06/22/2008	7.23	0930	6.95	6.70	0515	52
06/23/2008	7.14	1315	6.85	6.61	2300	58
06/24/2008	7.39	0515	6.98	6.71	0830	96
06/25/2008	7.35	1730	6.95	6.68	1445	87
06/26/2008	7.04	0900	6.84	6.62	1000	62
06/27/2008	7.16	0715	6.83	6.61	1700	96
06/28/2008	7.29	2300	6.81	6.30	2145	96
06/29/2008	7.49	0300	7.00	6.68	1215	96
06/30/2008	7.38	1515	7.05	6.71	0500	96
AVERAGE	7.079		6.789	6.465		
STD DEV.:	0.314		0.213	0.192		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR June 2008

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2008	7.400	1415	7.327	7.270	0015	96
06/02/2008	7.360	1400	7.308	7.270	0215	96
06/03/2008	7.330	1300	7.287	7.240	0315	96
06/04/2008	7.310	0045	7.295	7.260	2130	96
06/05/2008	7.290	1445	7.263	7.230	2245	96
06/06/2008	7.240	0515	7.002	6.532	2400	96
06/07/2008	6.857	2200	6.611	6.515	0300	96
06/08/2008	7.010	0515	6.752	6.546	1445	96
06/09/2008	7.270	2315	7.061	6.806	0330	96
06/10/2008	7.310	1845	7.203	7.010	1215	93
06/11/2008	7.200	0930	7.200	7.200	0930	1
06/12/2008	7.200	1030	7.062	7.020	2030	44
06/13/2008	7.250	1445	7.109	6.814	0915	96
06/14/2008	7.240	1215	7.146	7.080	0230	96
06/15/2008	7.180	1300	7.150	7.110	0145	96
06/16/2008	7.190	1530	7.140	7.110	2045	96
06/17/2008	7.190	1300	7.141	7.090	2145	96
06/18/2008	7.220	1330	7.154	7.090	0015	96
06/19/2008	7.320	1415	7.194	7.100	0045	96
06/20/2008	7.370	1530	7.210	7.110	0315	96
06/21/2008	7.230	0815	7.129	7.050	2400	96
06/22/2008	7.200	0900	7.082	7.000	0430	53
06/23/2008	7.220	1315	7.078	6.707	1400	7
06/24/2008	6.800	1400	6.800	6.800	1400	1
06/25/2008	7.010	1300	6.943	6.822	2400	51
06/26/2008	7.090	1400	6.934	6.760	0430	96
06/27/2008	7.110	1515	7.020	6.932	0230	96
06/28/2008	7.060	1415	6.994	6.918	0430	96
06/29/2008	7.110	1545	7.047	6.967	2330	96
06/30/2008	7.050	1130	6.980	6.895	2330	96
AVERAGE	7.187		7.087	6.975		
STD DEV.:	0.142		0.165	0.219		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2008

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2008	30.160	1330	29.804	29.330	0615	96
06/02/2008	30.640	1830	29.831	28.980	0700	96
06/03/2008	30.260	2400	28.950	27.200	1345	96
06/04/2008	30.280	0015	29.480	28.990	2400	96
06/05/2008	28.990	0015	28.567	28.310	2230	96
06/06/2008	29.180	0915	27.856	26.390	2000	96
06/07/2008	30.890	1700	28.687	26.860	0930	96
06/08/2008	32.020	2115	30.303	28.520	0615	96
06/09/2008	33.530	2300	31.639	29.860	0800	96
06/10/2008	35.500	2130	34.274	32.820	0615	96
06/11/2008	34.840	0015	34.455	33.850	0830	96
06/12/2008	34.660	0100	33.741	33.090	2400	96
06/13/2008	34.270	1630	33.125	31.650	0715	96
06/14/2008	34.120	1500	33.329	32.540	0800	96
06/15/2008	33.060	0015	32.222	31.700	2245	96
06/16/2008	31.760	0015	31.519	31.160	2400	96
06/17/2008	32.230	1800	31.467	30.690	0745	96
06/18/2008	31.720	1930	31.284	30.590	0615	96
06/19/2008	32.920	1745	32.105	31.400	0330	96
06/20/2008	32.650	1515	31.028	26.270	2400	96
06/21/2008	27.550	1415	26.236	25.560	0445	96
06/22/2008	29.310	1215	28.198	26.390	0015	96
06/23/2008	28.530	1815	28.212	27.920	0630	96
06/24/2008	28.890	1315	27.971	27.440	0700	96
06/25/2008	28.560	1515	27.679	26.920	0800	96
06/26/2008	28.360	1530	27.694	26.790	0615	96
06/27/2008	30.200	1515	28.808	27.550	0715	96
06/28/2008	29.490	0015	27.996	26.820	2400	96
06/29/2008	28.160	2400	27.165	26.300	0600	96
06/30/2008	29.470	1645	28.628	27.950	0645	96
AVERAGE	31.073		30.075	28.995		
STD DEV.:	2.276		2.295	2.406		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2008

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2008	9.56	1800	9.17	8.66	0700	96
06/02/2008	9.68	1915	9.22	8.68	0645	96
06/03/2008	9.80	1700	9.29	8.64	0715	96
06/04/2008	9.30	2145	9.02	8.68	0615	96
06/05/2008	9.12	0015	8.89	8.69	0545	96
06/06/2008	8.97	1930	8.70	8.43	1115	96
06/07/2008	8.94	1615	8.61	8.34	0615	96
06/08/2008	8.85	1645	8.56	8.22	0730	96
06/09/2008	8.99	1745	8.50	8.03	0815	96
06/10/2008	9.05	1630	8.41	7.88	0715	96
06/11/2008	8.86	1645	8.28	7.70	0700	96
06/12/2008	8.64	1445	8.05	7.38	0700	96
06/13/2008	8.72	1945	8.20	7.66	0730	96
06/14/2008	9.19	1700	8.40	7.83	0545	96
06/15/2008	8.23	0015	7.76	7.46	2400	96
06/16/2008	8.06	1800	7.54	7.07	0900	96
06/17/2008	8.23	2200	7.82	7.44	0830	96
06/18/2008	8.39	2400	7.98	7.51	0800	96
06/19/2008	9.42	2015	8.67	7.76	0745	96
06/20/2008	9.85	2015	9.10	8.38	0715	96
06/21/2008	9.43	1300	8.04	6.16	1400	96
06/22/2008	7.32	1315	6.90	6.07	1530	96
06/23/2008	8.38	1415	7.17	6.80	2300	96
06/24/2008	8.02	1300	7.12	6.32	1845	96
06/25/2008	8.19	1900	7.26	6.79	0645	96
06/26/2008	8.01	1500	7.47	7.04	0715	96
06/27/2008	8.17	1700	7.66	7.25	0215	96
06/28/2008	7.78	0100	7.39	6.92	1015	96
06/29/2008	8.58	1600	7.38	6.72	0800	96
06/30/2008	8.75	0315	7.95	7.18	1445	96
AVERAGE	8.749		8.150	7.589		
STD DEV.:	0.635		0.692	0.786		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2008

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2008	6.982	2000	6.818	6.660	0700	96
06/02/2008	7.080	1915	6.917	6.755	0715	96
06/03/2008	7.070	1800	6.947	6.816	0700	96
06/04/2008	6.967	0030	6.842	6.754	2345	96
06/05/2008	6.774	1745	6.744	6.706	0830	96
06/06/2008	6.747	0100	6.667	6.555	0930	96
06/07/2008	6.789	2015	6.633	6.488	0800	96
06/08/2008	6.938	1830	6.791	6.665	0700	96
06/09/2008	7.010	1915	6.848	6.741	0730	96
06/10/2008	7.170	1730	6.957	6.755	0700	96
06/11/2008	7.200	1815	6.979	6.818	0745	96
06/12/2008	7.190	1715	6.994	6.819	0645	96
06/13/2008	7.240	1845	7.031	6.865	0645	96
06/14/2008	7.210	1700	7.064	6.919	0715	96
06/15/2008	7.040	0015	6.901	6.826	1145	96
06/16/2008	6.868	0015	6.822	6.769	2230	96
06/17/2008	6.858	2015	6.764	6.650	0715	96
06/18/2008	6.957	1930	6.881	6.794	0745	96
06/19/2008	7.130	1745	7.003	6.910	0900	96
06/20/2008	7.260	1800	7.068	6.924	0815	96
06/21/2008	7.270	1345	7.079	6.890	0700	96
06/22/2008	7.130	0015	6.992	6.797	2300	96
06/23/2008	6.937	1430	6.821	6.663	1315	96
06/24/2008	6.961	1715	6.834	6.724	1030	96
06/25/2008	6.952	2000	6.856	6.781	1000	96
06/26/2008	6.924	0145	6.870	6.807	2200	96
06/27/2008	6.867	1815	6.805	6.746	0900	96
06/28/2008	6.785	2030	6.688	6.626	1345	96
06/29/2008	6.715	0145	6.602	6.510	1245	96
06/30/2008	6.639	2015	6.572	6.517	1745	96
AVERAGE	6.989		6.860	6.742		
STD DEV.:	0.175		0.139	0.119		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2008

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2008	20.220	1645	19.477	18.770	0630	96
06/02/2008	20.190	1930	19.492	18.850	1015	96
06/03/2008	20.350	1830	19.681	18.970	0700	96
06/04/2008	20.040	0015	19.354	18.920	2400	96
06/05/2008	18.910	0015	18.318	18.040	2400	96
06/06/2008	18.030	0015	17.497	16.420	1015	96
06/07/2008	19.030	1900	17.901	17.030	0630	96
06/08/2008	21.360	1830	20.000	18.510	0515	96
06/09/2008	22.940	1815	21.847	20.800	0645	96
06/10/2008	24.380	1745	23.129	22.210	0600	96
06/11/2008	23.980	1745	23.134	22.460	0815	96
06/12/2008	23.240	0015	22.490	21.740	2400	96
06/13/2008	22.250	1645	21.509	20.660	0700	96
06/14/2008	22.170	1700	21.509	20.860	0745	96
06/15/2008	21.800	0015	20.855	20.290	2400	96
06/16/2008	20.280	0015	19.459	18.950	2400	96
06/17/2008	19.570	1800	18.952	18.330	0715	96
06/18/2008	19.570	2300	19.103	18.560	0700	96
06/19/2008	20.300	1730	19.726	19.170	0715	96
06/20/2008	20.290	1900	19.932	19.420	0800	96
06/21/2008	20.800	2000	20.085	19.350	0730	96
06/22/2008	20.590	0015	19.896	19.190	2030	96
06/23/2008	22.280	1130	20.843	19.050	0745	96
06/24/2008	21.650	1415	21.271	20.950	0715	96
06/25/2008	22.090	1645	21.450	20.800	0615	96
06/26/2008	21.750	1415	21.462	21.090	0615	96
06/27/2008	21.850	1630	21.397	20.810	0645	96
06/28/2008	21.770	1600	21.454	21.180	0630	96
06/29/2008	21.290	0015	20.930	20.680	0915	96
06/30/2008	21.600	2315	21.082	20.580	0245	96
AVERAGE	21.152		20.441	19.755		
STD DEV.:	1.476		1.416	1.455		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2008

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2008	21.700	1545	20.946	20.230	0900	96
06/02/2008	24.470	1730	22.081	20.460	0845	96
06/03/2008	23.810	1745	21.904	20.620	0845	96
06/04/2008	22.070	2400	21.130	20.650	1730	96
06/05/2008	22.300	0130	20.723	19.580	2345	96
06/06/2008	20.350	0915	19.290	18.700	2400	96
06/07/2008	21.410	1800	19.475	18.560	0600	96
06/08/2008	24.880	1615	21.834	20.000	0645	96
06/09/2008	25.800	1500	23.722	22.160	0715	96
06/10/2008	28.400	2300	24.763	23.780	1045	96
06/11/2008	27.180	2400	25.833	25.070	1100	96
06/12/2008	27.560	1900	26.239	25.340	1130	96
06/13/2008	25.770	2045	24.763	23.880	0945	96
06/14/2008	25.430	2330	24.876	24.080	1015	96
06/15/2008	25.190	0345	24.206	23.300	2300	96
06/16/2008	27.100	2000	23.327	22.620	1645	96
06/17/2008	26.540	1645	23.167	22.150	0800	96
06/18/2008	27.810	1915	24.416	22.630	0945	96
06/19/2008	29.750	1100	26.320	23.320	1415	96
06/20/2008	24.650	2400	23.701	23.320	0900	96
06/21/2008	25.120	1215	24.233	23.390	0630	96
06/22/2008	25.350	1215	24.385	23.780	2400	96
06/23/2008	24.350	0715	23.483	22.770	2330	94
06/24/2008	23.000	1445	22.488	22.090	0715	96
06/25/2008	23.490	1700	22.646	21.860	0515	96
06/26/2008	22.880	0015	22.590	22.200	0700	96
06/27/2008	23.310	2400	22.640	22.010	0715	96
06/28/2008	23.200	0015	22.627	22.320	0930	96
06/29/2008	22.500	1745	22.166	21.800	1045	96
06/30/2008	23.060	1700	22.549	21.880	0315	96
AVERAGE	24.614		23.084	22.152		
STD DEV.:	2.256		1.777	1.709		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2008

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2008	7.44	0030	7.03	6.72	2145	96
07/02/2008	7.24	1415	6.78	5.82	2045	96
07/03/2008	6.69	1115	6.08	5.15	1815	96
07/04/2008	7.12	2045	6.26	5.61	0230	96
07/05/2008	6.84	0315	6.32	5.86	2230	96
07/06/2008	6.63	1215	6.14	5.68	0830	96
07/07/2008	7.46	1830	6.82	6.01	0115	96
07/08/2008	7.99	1030	7.33	6.88	2230	96
07/09/2008	7.39	1515	7.08	6.84	2130	96
07/10/2008	7.87	1415	7.33	6.84	0145	96
07/11/2008	7.34	0930	6.80	6.34	1600	96
07/12/2008	7.04	1030	6.72	6.30	0615	96
07/13/2008	7.57	1045	7.20	6.53	0030	96
07/14/2008	8.44	1345	6.94	4.69	1330	92
07/15/2008	6.74	0800	6.58	6.44	2130	96
07/16/2008	6.77	0600	6.43	6.18	2345	96
07/17/2008	6.70	0800	6.41	5.97	0700	96
07/18/2008	6.56	0630	6.29	6.00	2200	96
07/19/2008	6.22	2400	5.91	5.53	1800	96
07/20/2008	6.59	1145	6.20	5.53	0300	96
07/21/2008	6.54	0830	6.24	6.03	0900	96
07/22/2008	6.50	1100	6.21	5.95	2400	96
07/23/2008	6.13	0800	5.98	5.82	1945	96
07/24/2008	6.02	0015	6.02	6.01	1015	41
07/25/2008	6.68	1015	6.54	6.02	1400	16
07/29/2008	7.05	1330	6.88	6.74	2215	45
07/30/2008	7.11	0915	6.90	6.72	0315	96
07/31/2008	7.14	0530	6.84	6.25	0215	96
AVERAGE	6.993		6.580	6.088		
STD DEV.:	0.565		0.421	0.528		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR July 2008

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2008	6.948	1400	6.873	6.792	2345	96
07/02/2008	6.874	1345	6.796	6.699	0500	96
07/03/2008	6.890	1615	6.811	6.746	0500	96
07/04/2008	6.865	1230	6.797	6.751	0615	96
07/05/2008	6.851	1300	6.778	6.694	0500	96
07/06/2008	6.866	1230	6.771	6.686	0315	96
07/07/2008	6.945	1600	6.805	6.689	0700	96
07/08/2008	6.967	1645	6.828	6.674	0600	96
07/09/2008	6.980	1630	6.870	6.751	0630	96
07/10/2008	7.010	1500	6.926	6.785	0030	96
07/11/2008	7.050	1515	6.903	6.785	0400	96
07/12/2008	6.998	2330	6.908	6.826	0630	96
07/13/2008	7.040	1345	6.938	6.858	0430	96
07/14/2008	6.957	1515	6.882	6.824	0445	96
07/15/2008	6.961	1245	6.882	6.809	0500	96
07/16/2008	7.000	1330	6.902	6.817	0145	96
07/17/2008	7.030	1430	6.937	6.811	0730	96
07/18/2008	7.070	1315	6.958	6.858	0345	96
07/19/2008	7.070	1330	6.986	6.913	0045	96
07/20/2008	7.040	1745	6.965	6.916	0730	96
07/21/2008	7.030	1545	6.984	6.943	0630	96
07/22/2008	7.020	1245	6.973	6.911	2345	96
07/23/2008	6.950	1300	6.914	6.876	2200	88
07/24/2008	6.900	1000	6.900	6.900	1000	1
07/25/2008	7.150	2345	6.965	6.924	2230	41
07/26/2008	7.190	0030	6.859	6.788	2400	96
07/27/2008	7.020	1515	6.760	6.733	0930	96
07/28/2008	6.836	1100	6.771	6.681	0945	96
07/29/2008	6.957	0815	6.784	6.736	1300	96
07/30/2008	6.868	1845	6.803	6.734	0615	96
07/31/2008	6.914	0700	6.850	6.773	0630	96
AVERAGE	6.976		6.873	6.796		
STD DEV.:	0.086		0.072	0.081		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2008

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2008	29.710	1330	28.582	27.400	0730	96
07/02/2008	29.120	1200	28.299	27.670	0445	96
07/03/2008	29.190	1615	28.463	27.420	0600	96
07/04/2008	29.300	1400	28.753	28.080	0815	96
07/05/2008	29.380	1345	28.863	28.210	0815	96
07/06/2008	30.680	1415	29.592	28.280	0700	96
07/07/2008	31.650	1645	30.742	29.690	0645	96
07/08/2008	32.630	1545	31.696	30.600	0645	96
07/09/2008	33.020	1330	32.171	31.490	0615	96
07/10/2008	31.890	0015	31.037	29.740	2400	96
07/11/2008	30.400	1930	29.830	29.160	0745	96
07/12/2008	33.560	2330	30.825	29.730	0700	96
07/13/2008	32.950	0015	29.366	28.600	0630	96
07/14/2008	35.410	2215	30.522	28.310	1145	96
07/15/2008	36.540	1630	35.608	34.620	0700	96
07/16/2008	37.010	1745	35.956	34.740	0630	96
07/17/2008	37.230	1630	36.373	35.420	0615	96
07/18/2008	38.460	1545	36.839	35.640	0615	96
07/19/2008	38.140	1530	37.008	35.400	0845	96
07/20/2008	37.660	1545	36.784	36.170	0700	96
07/21/2008	36.320	0015	35.821	35.300	2400	96
07/22/2008	35.990	1600	35.231	34.580	0600	96
07/23/2008	34.950	0015	34.662	34.270	2145	96
07/24/2008	34.440	1000	33.987	33.390	2400	96
07/25/2008	33.940	1530	33.321	28.500	1245	87
07/26/2008	33.820	1445	33.126	32.440	0715	96
07/27/2008	33.280	1415	32.662	32.190	0715	96
07/28/2008	33.980	1730	33.126	32.190	0745	96
07/29/2008	34.850	1715	33.921	33.040	0700	96
07/30/2008	35.350	1515	34.558	33.560	0645	96
07/31/2008	36.070	1545	34.809	32.800	0545	96
AVERAGE	33.772		32.662	31.569		
STD DEV.:	2.837		2.866	2.940		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2008

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2008	9.53	1315	7.94	7.13	0800	96
07/02/2008	9.10	1745	7.80	7.01	1145	96
07/03/2008	8.11	1515	7.63	7.03	0830	96
07/04/2008	8.46	2030	7.80	6.82	0215	96
07/05/2008	8.77	1200	7.99	7.26	2345	96
07/06/2008	8.57	1615	7.64	7.05	1400	96
07/07/2008	8.11	0645	7.44	6.46	1530	96
07/08/2008	7.97	0045	7.19	6.85	2200	96
07/09/2008	7.79	1715	7.17	6.88	1915	96
07/10/2008	7.94	2015	7.16	6.84	1900	96
07/11/2008	8.79	1500	7.58	6.85	1030	96
07/12/2008	8.43	1830	7.81	7.24	0730	96
07/13/2008	8.38	1500	7.86	7.28	0115	96
07/14/2008	8.28	0345	7.83	7.40	0200	96
07/15/2008	8.27	1815	7.79	7.26	0715	96
07/16/2008	8.54	2000	8.03	7.47	0630	96
07/17/2008	8.49	1745	8.03	7.48	0915	96
07/18/2008	8.50	1945	7.90	7.30	0830	96
07/19/2008	8.37	1615	7.74	7.15	0745	96
07/20/2008	7.51	2245	7.15	6.74	0530	96
07/21/2008	7.55	2245	7.19	6.85	0500	96
07/22/2008	8.29	1930	7.91	7.31	0215	96
07/23/2008	8.26	1545	8.11	7.96	0830	96
07/24/2008	8.55	1830	8.18	7.95	1015	96
07/25/2008	8.66	1200	8.33	8.04	1400	96
07/26/2008	9.11	1315	8.95	8.63	0115	96
07/27/2008	9.03	0130	8.74	8.44	2400	96
07/28/2008	8.53	0330	8.28	8.01	1945	96
07/29/2008	8.28	1645	8.11	7.86	2230	96
07/30/2008	8.69	1000	7.91	7.58	0815	96
07/31/2008	7.99	0315	7.76	7.53	2230	96
AVERAGE	8.414		7.837	7.343		
STD DEV.:	0.444		0.425	0.515		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR August 2008

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2008	6.903	1545	6.882	6.854	0900	74
08/02/2008	6.944	1730	6.871	6.832	1000	96
08/03/2008	6.860	1200	6.843	6.831	0700	56
08/04/2008	7.200	1030	7.200	7.200	1030	1
08/05/2008	7.000	1100	7.000	7.000	1100	1
08/06/2008	7.000	0930	7.000	7.000	0930	1
08/07/2008	6.966	1845	6.887	6.623	1215	55
08/08/2008	6.907	0030	6.846	6.484	0930	96
08/11/2008	6.800	1130	6.800	6.800	1130	1
08/12/2008	6.800	1345	6.800	6.800	1345	1
08/13/2008	7.000	1130	7.000	7.000	1130	1
08/14/2008	6.900	1015	6.850	6.800	1130	2
08/15/2008	6.800	1430	6.800	6.800	1430	1
08/18/2008	6.900	1100	6.900	6.900	1100	1
08/19/2008	7.000	1300	7.000	7.000	1300	1
08/20/2008	7.100	0945	7.052	6.912	1245	54
08/21/2008	7.140	1900	7.059	6.996	0415	96
08/22/2008	7.170	1245	7.056	6.504	0045	96
08/23/2008	7.157	1745	7.066	6.992	0015	96
08/24/2008	7.158	1715	7.089	7.038	0115	96
08/25/2008	7.200	1015	7.082	7.011	0330	83
08/26/2008	7.280	1230	7.140	7.064	0400	93
08/27/2008	7.270	1700	7.149	7.064	0915	96
08/28/2008	7.300	1715	7.147	7.060	0200	96
08/29/2008	7.310	1715	7.163	7.070	0130	96
08/30/2008	7.290	1730	7.176	7.100	0100	96
08/31/2008	7.310	1645	7.184	7.100	2345	96
AVERAGE	7.062		7.002	6.920		
STD DEV.:	0.174		0.134	0.177		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2008

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2008	6.992	1915	6.792	6.519	0100	96
07/02/2008	7.030	1615	6.960	6.901	1000	96
07/03/2008	7.020	0615	6.942	6.873	0845	96
07/04/2008	7.050	0545	6.945	6.865	1230	96
07/05/2008	7.070	2345	6.978	6.877	1215	96
07/06/2008	7.110	2000	7.048	6.973	1315	96
07/07/2008	7.210	1830	7.119	7.020	0945	96
07/08/2008	7.220	1715	7.153	7.080	0830	96
07/09/2008	7.240	1800	7.153	7.060	1000	96
07/10/2008	7.330	2200	7.186	7.090	0930	96
07/11/2008	7.300	0030	7.050	6.773	1145	96
07/12/2008	6.937	1930	6.840	6.715	2045	96
07/13/2008	6.962	1945	6.855	6.707	0745	96
07/14/2008	6.995	1445	6.836	6.783	0745	96
07/15/2008	6.980	1645	6.918	6.867	0545	96
07/16/2008	7.020	1645	6.945	6.871	0445	96
07/17/2008	7.060	1630	6.978	6.934	0915	96
07/18/2008	7.080	1230	6.972	6.895	0615	96
07/19/2008	6.995	1730	6.871	6.788	0715	96
07/20/2008	7.030	1330	6.825	6.713	0515	96
07/21/2008	6.891	1915	6.784	6.662	0645	96
07/22/2008	6.930	2100	6.876	6.812	0130	96
07/23/2008	6.959	1715	6.905	6.874	0430	96
07/24/2008	6.888	0130	6.733	6.588	2345	96
07/25/2008	6.654	1300	6.588	6.518	0800	96
07/26/2008	6.653	1930	6.581	6.520	0830	96
07/27/2008	6.698	1800	6.624	6.554	1015	96
07/28/2008	6.716	0715	6.621	6.543	1345	96
07/29/2008	6.667	2345	6.590	6.511	0915	96
07/30/2008	6.898	1645	6.783	6.636	0300	96
07/31/2008	6.988	1630	6.925	6.872	0015	96
AVERAGE	6.986		6.883	6.787		
STD DEV.:	0.178		0.169	0.177		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2008

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2008	21.580	0015	21.329	21.000	1045	96
07/02/2008	21.390	0115	21.017	20.500	2400	96
07/03/2008	21.170	1645	20.787	20.410	0645	96
07/04/2008	21.700	1700	21.187	20.750	0530	96
07/05/2008	22.050	1500	21.555	21.080	0215	96
07/06/2008	22.660	1630	21.996	21.320	0600	96
07/07/2008	22.460	1045	21.519	20.330	2400	96
07/08/2008	22.490	2330	21.514	20.510	0415	96
07/09/2008	26.890	2300	24.250	22.060	0245	96
07/10/2008	26.920	1930	26.500	25.950	0945	96
07/11/2008	26.470	0015	25.983	25.580	0715	96
07/12/2008	25.860	0015	25.392	24.950	0730	96
07/13/2008	25.640	1545	25.197	24.740	0745	96
07/14/2008	25.250	1700	25.035	24.770	0845	96
07/15/2008	26.370	1745	25.536	24.650	0730	96
07/16/2008	26.620	1745	25.843	25.100	0415	96
07/17/2008	26.850	1730	26.236	25.730	0815	96
07/18/2008	27.200	1845	26.556	26.070	0600	96
07/19/2008	27.530	1745	26.814	26.150	0700	96
07/20/2008	26.680	0015	26.320	25.680	2330	96
07/21/2008	25.950	0015	25.501	24.160	0715	96
07/22/2008	25.120	1600	24.749	24.460	0615	96
07/23/2008	24.630	0015	24.470	24.100	2400	96
07/24/2008	24.080	0015	23.488	23.110	1645	67
07/25/2008	22.950	1930	22.722	19.290	1330	43
07/26/2008	22.650	0015	21.853	21.500	0915	96
07/27/2008	22.020	2345	21.653	21.290	0730	96
07/28/2008	22.970	2215	22.371	21.770	0745	96
07/29/2008	23.760	1915	23.094	22.420	0715	96
07/30/2008	24.170	1800	23.751	23.380	0645	96
07/31/2008	25.050	1645	24.481	23.890	0100	96
AVERAGE	24.424		23.829	23.119		
STD DEV.:	2.053		1.998	2.123		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2008

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2008	25.060	1545	24.722	24.370	0315	96
08/02/2008	24.880	0400	24.448	23.690	2345	96
08/03/2008	23.900	1730	23.655	23.440	0915	93
08/04/2008	23.580	0015	22.818	20.950	0915	96
08/05/2008	22.810	0015	21.595	19.490	1015	96
08/06/2008	21.240	0030	20.762	20.250	2330	96
08/07/2008	20.440	1515	20.241	19.970	2400	96
08/08/2008	19.960	0015	19.186	18.870	2145	96
08/09/2008	19.880	2100	19.193	18.610	0715	96
08/10/2008	20.010	2315	19.652	19.280	0800	96
08/11/2008	20.000	0015	19.581	19.420	1330	96
08/12/2008	19.570	1945	19.325	19.070	0800	96
08/13/2008	19.820	2030	19.309	18.830	0815	96
08/14/2008	20.780	2030	20.096	19.550	0745	96
08/15/2008	21.330	2315	20.842	20.440	0730	96
08/16/2008	21.510	1430	21.274	20.980	0730	96
08/17/2008	21.970	2300	21.482	20.940	0645	96
08/18/2008	22.520	1800	22.088	21.560	0700	96
08/19/2008	22.470	0030	22.127	21.660	2400	96
08/20/2008	21.640	0015	21.403	21.080	0930	96
08/21/2008	21.640	1800	21.211	20.650	0830	96
08/22/2008	22.460	1900	21.793	21.190	0730	96
08/23/2008	22.810	1600	22.459	22.130	0830	96
08/24/2008	23.210	1545	22.811	22.450	0015	96
08/25/2008	23.340	1430	22.791	22.360	2400	96
08/26/2008	22.440	1500	22.114	21.650	2400	96
08/27/2008	22.810	1600	21.924	21.040	0715	95
08/28/2008	23.180	1715	22.271	21.400	0600	96
08/29/2008	23.450	1645	22.588	21.710	0645	96
08/30/2008	23.560	1815	22.964	22.320	0800	96
08/31/2008	23.800	1645	23.227	22.710	0645	96
AVERAGE	22.131		21.611	21.034		
STD DEV.:	1.541		1.524	1.493		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2008

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2008	27.910	1845	26.710	26.060	0545	74
08/02/2008	26.640	0530	26.276	25.470	2345	96
08/03/2008	25.810	1800	25.451	25.170	0830	92
08/04/2008	25.800	1300	25.362	25.160	0800	92
08/05/2008	25.250	0015	24.233	22.010	0900	96
08/06/2008	23.860	0200	23.320	22.710	2345	96
08/07/2008	23.100	1230	22.752	22.290	2345	96
08/08/2008	22.430	0130	21.602	21.170	2400	96
08/09/2008	22.210	2145	21.573	20.960	0600	96
08/10/2008	22.310	2315	22.019	21.650	0715	96
08/11/2008	22.330	0015	21.892	21.670	2400	96
08/12/2008	21.830	1845	21.593	21.300	0600	96
08/13/2008	22.090	2115	21.602	21.100	0715	96
08/14/2008	23.040	2015	22.429	21.820	0715	96
08/15/2008	23.550	1815	23.115	22.680	0630	96
08/16/2008	23.900	1245	23.553	23.170	0645	96
08/17/2008	24.240	2400	23.784	23.160	0630	96
08/18/2008	25.020	1600	24.449	23.820	0630	96
08/19/2008	24.740	0100	24.403	23.630	2400	96
08/20/2008	23.950	1600	23.663	23.360	0700	96
08/21/2008	23.920	1515	23.454	22.840	0715	96
08/22/2008	24.740	2030	24.057	23.320	0715	96
08/23/2008	26.790	1630	25.676	24.340	0345	96
08/24/2008	27.200	1315	26.209	25.480	0430	96
08/25/2008	28.510	0730	26.260	25.230	2330	96
08/26/2008	25.790	2045	24.889	23.730	0715	96
08/27/2008	27.350	1800	25.746	22.230	0930	96
08/28/2008	28.440	1545	26.697	24.600	0500	96
08/29/2008	29.470	1700	27.416	24.940	0730	96
08/30/2008	28.860	0200	27.761	26.040	1415	96
08/31/2008	29.170	2145	27.210	25.930	0915	96
AVERAGE	25.169		24.360	23.453		
STD DEV.:	2.342		1.918	1.620		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2008

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2008	6.78	0030	6.62	6.21	1730	96
09/02/2008	6.77	0300	6.37	6.10	0815	96
09/03/2008	6.53	0900	6.28	6.12	1730	96
09/04/2008	6.49	1415	6.26	6.01	1230	96
09/05/2008	6.57	1200	6.32	6.10	2400	96
09/06/2008	6.36	2315	6.18	6.02	1215	96
09/07/2008	6.57	0415	6.22	6.03	1200	96
09/08/2008	6.78	1230	6.33	6.03	1845	96
09/09/2008	6.49	0815	6.22	6.01	1130	96
09/10/2008	7.03	2215	6.61	6.18	0300	96
09/11/2008	7.07	0115	6.63	6.13	0715	96
09/12/2008	6.79	0830	6.60	6.39	2330	96
09/13/2008	7.12	2400	6.43	6.06	1800	96
09/14/2008	7.21	0100	6.86	6.40	0615	96
09/15/2008	6.95	0215	6.41	5.89	2215	96
09/16/2008	6.43	1600	6.08	5.88	1930	96
09/17/2008	6.40	1900	6.06	5.88	1545	96
09/18/2008	6.79	1245	6.25	5.86	2130	96
09/19/2008	8.05	2215	6.80	5.94	0330	96
09/20/2008	8.69	2145	7.84	7.07	0800	96
09/21/2008	8.84	2030	8.35	7.75	1400	96
09/22/2008	8.49	1530	7.99	7.02	1845	96
09/23/2008	8.68	1900	8.11	7.10	1130	96
09/24/2008	8.43	1545	8.01	7.68	0745	96
09/25/2008	8.13	1045	7.74	6.97	2400	96
09/26/2008	7.78	1600	7.29	6.73	0800	96
09/27/2008	7.54	0030	7.44	7.35	2400	96
09/28/2008	7.41	0530	7.34	7.25	2015	96
09/29/2008	7.46	1600	7.15	6.77	1245	96
09/30/2008	7.52	1500	7.29	7.01	1100	96
AVERAGE	7.271		6.870	6.465		
STD DEV.:	0.778		0.699	0.581		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR September 2008

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2008	7.310	1630	7.176	7.090	0115	96
09/02/2008	7.300	1700	7.167	7.080	0400	96
09/03/2008	7.300	1700	7.146	7.060	0330	96
09/04/2008	7.340	1700	7.158	7.040	0030	96
09/05/2008	7.160	0445	7.086	6.910	0845	96
09/06/2008	7.200	0445	7.133	7.010	2115	96
09/07/2008	7.190	1230	7.099	7.020	0630	96
09/08/2008	7.180	0100	7.078	7.020	1015	96
09/09/2008	7.110	0600	7.062	6.933	0945	96
09/10/2008	7.120	1815	7.078	7.030	0245	96
09/11/2008	7.150	1345	7.105	7.040	0430	96
09/12/2008	7.170	1915	7.096	7.040	0415	96
09/13/2008	7.180	0645	7.137	7.100	0030	96
09/14/2008	7.190	0645	7.139	7.110	0030	96
09/15/2008	7.230	0815	7.170	7.110	0015	96
09/16/2008	7.190	0700	7.148	7.100	2230	96
09/17/2008	7.220	1245	7.139	7.020	2345	96
09/18/2008	7.120	0030	6.778	6.730	1530	96
09/19/2008	7.040	2130	6.884	6.810	0545	96
09/20/2008	7.080	1900	6.998	6.936	1315	96
09/21/2008	6.972	0015	6.869	6.772	2330	96
09/22/2008	6.878	2400	6.815	6.711	1030	96
09/23/2008	6.908	1830	6.847	6.761	1230	96
09/24/2008	6.888	1845	6.828	6.762	1115	96
09/25/2008	7.140	2330	6.863	6.748	1400	96
09/26/2008	7.150	0200	6.929	6.785	1115	96
09/27/2008	6.866	0045	6.804	6.748	1245	96
09/28/2008	6.862	2345	6.827	6.789	0615	96
09/29/2008	6.888	0430	6.852	6.681	0815	96
09/30/2008	6.939	2100	6.901	6.878	0015	96
AVERAGE	7.109		7.010	6.927		
STD DEV.:	0.145		0.140	0.146		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2008

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2008	33.140	1500	32.637	31.970	0700	96
09/02/2008	33.660	1615	32.725	31.310	0715	96
09/03/2008	34.130	1645	33.066	32.080	0715	96
09/04/2008	34.730	1845	33.419	31.710	0345	96
09/05/2008	34.890	1545	34.274	33.420	0715	96
09/06/2008	35.050	1615	34.404	33.680	2345	96
09/07/2008	33.600	0015	32.486	31.890	2400	96
09/08/2008	32.510	1500	31.884	31.290	0745	96
09/09/2008	31.710	0015	30.925	29.000	2400	96
09/10/2008	29.440	1630	28.662	27.920	0730	96
09/11/2008	29.620	1600	28.726	27.870	0700	96
09/12/2008	28.900	1615	28.525	28.030	0645	96
09/13/2008	30.290	1600	29.369	28.590	0315	96
09/14/2008	30.690	1830	29.892	29.330	0215	96
09/15/2008	30.360	1445	30.156	29.590	2345	96
09/16/2008	29.610	1645	29.191	28.680	2400	96
09/17/2008	29.560	1600	28.764	28.030	0815	96
09/18/2008	28.670	1315	28.198	27.470	2400	96
09/19/2008	28.070	1545	25.864	18.840	2400	96
09/20/2008	20.430	1515	18.844	17.970	0800	96
09/21/2008	21.080	1945	19.460	17.940	0700	96
09/22/2008	20.000	0015	18.947	18.400	0945	96
09/23/2008	20.100	1630	18.831	17.880	0815	96
09/24/2008	20.830	1715	19.901	18.700	1030	96
09/25/2008	30.110	1700	24.361	18.110	0500	96
09/26/2008	29.580	1715	28.526	26.610	0230	96
09/27/2008	29.090	1900	28.946	28.780	0830	96
09/28/2008	29.600	1800	29.230	29.010	0915	96
09/29/2008	29.620	1600	29.452	29.290	0815	96
09/30/2008	29.550	1145	29.427	29.220	2245	96
AVERAGE	29.287		28.303	27.087		
STD DEV.:	4.480		4.722	5.244		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2008

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2008	8.85	1645	8.26	7.71	0730	96
09/02/2008	9.03	1500	8.32	7.77	0415	96
09/03/2008	8.87	1530	8.41	8.03	0315	96
09/04/2008	9.02	1430	8.13	7.33	2400	96
09/05/2008	8.03	1845	7.42	6.87	0730	96
09/06/2008	7.82	1630	7.22	6.80	0830	96
09/07/2008	6.80	0015	6.45	6.21	0645	96
09/08/2008	7.72	2000	6.91	6.27	1400	96
09/09/2008	7.69	0415	7.56	7.45	1915	96
09/10/2008	8.01	2215	7.72	7.41	0045	96
09/11/2008	8.93	1500	8.40	7.83	0830	96
09/12/2008	9.01	0230	8.85	8.63	2300	96
09/13/2008	8.81	1915	8.62	8.48	1000	96
09/14/2008	8.84	0345	8.62	8.40	2400	96
09/15/2008	8.63	1730	8.43	8.25	0730	96
09/16/2008	8.78	1400	8.65	8.48	1915	96
09/17/2008	8.96	1315	8.78	8.61	1000	96
09/18/2008	9.08	1430	8.88	8.67	0015	96
09/19/2008	9.49	1200	8.85	8.47	2015	96
09/20/2008	8.94	2200	8.30	7.54	1200	96
09/21/2008	8.68	1645	8.09	7.70	0315	96
09/22/2008	8.49	1815	8.26	8.06	0345	96
09/23/2008	8.62	1315	8.38	8.15	0200	96
09/24/2008	9.02	1330	8.55	8.23	0030	96
09/25/2008	9.00	1300	8.62	8.28	0215	96
09/26/2008	8.72	1330	8.45	8.21	2400	96
09/27/2008	8.20	0015	8.07	7.93	1045	96
09/28/2008	8.17	1415	8.00	7.85	2245	96
09/29/2008	8.75	1730	8.34	7.84	0045	96
09/30/2008	8.70	2245	8.59	8.45	2015	96
AVERAGE	8.589		8.205	7.864		
STD DEV.:	0.559		0.586	0.657		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2008

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2008	8.85	1645	8.26	7.71	0730	96
09/02/2008	9.03	1500	8.32	7.77	0415	96
09/03/2008	8.87	1530	8.41	8.03	0315	96
09/04/2008	9.02	1430	8.13	7.33	2400	96
09/05/2008	8.03	1845	7.42	6.87	0730	96
09/06/2008	7.82	1630	7.22	6.80	0830	96
09/07/2008	6.80	0015	6.45	6.21	0645	96
09/08/2008	7.72	2000	6.91	6.27	1400	96
09/09/2008	7.69	0415	7.56	7.45	1915	96
09/10/2008	8.01	2215	7.72	7.41	0045	96
09/11/2008	8.93	1500	8.40	7.83	0830	96
09/12/2008	9.01	0230	8.85	8.63	2300	96
09/13/2008	8.81	1915	8.62	8.48	1000	96
09/14/2008	8.84	0345	8.62	8.40	2400	96
09/15/2008	8.63	1730	8.43	8.25	0730	96
09/16/2008	8.78	1400	8.65	8.48	1915	96
09/17/2008	8.96	1315	8.78	8.61	1000	96
09/18/2008	9.08	1430	8.88	8.67	0015	96
09/19/2008	9.49	1200	8.85	8.47	2015	96
09/20/2008	8.94	2200	8.30	7.54	1200	96
09/21/2008	8.68	1645	8.09	7.70	0315	96
09/22/2008	8.49	1815	8.26	8.06	0345	96
09/23/2008	8.62	1315	8.38	8.15	0200	96
09/24/2008	9.02	1330	8.55	8.23	0030	96
09/25/2008	9.00	1300	8.62	8.28	0215	96
09/26/2008	8.72	1330	8.45	8.21	2400	96
09/27/2008	8.20	0015	8.07	7.93	1045	96
09/28/2008	8.17	1415	8.00	7.85	2245	96
09/29/2008	8.75	1730	8.34	7.84	0045	96
09/30/2008	8.70	2245	8.59	8.45	2015	96
AVERAGE	8.589		8.205	7.864		
STD DEV.:	0.559		0.586	0.657		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2008

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2008	7.140	1645	7.026	6.920	0415	96
09/02/2008	7.300	1530	7.094	6.939	0915	96
09/03/2008	7.330	1530	7.202	7.110	0015	96
09/04/2008	7.340	1500	7.174	7.050	2400	96
09/05/2008	7.280	1945	7.067	6.916	0830	96
09/06/2008	7.190	1900	7.051	6.939	0845	96
09/07/2008	7.030	0030	6.803	6.628	1315	96
09/08/2008	6.980	1415	6.803	6.742	1100	96
09/09/2008	6.895	1315	6.832	6.771	1045	96
09/10/2008	6.950	0300	6.834	6.767	1215	96
09/11/2008	6.986	2400	6.945	6.836	1045	96
09/12/2008	7.020	2000	6.985	6.940	1130	96
09/13/2008	7.140	2145	6.951	6.926	1430	96
09/14/2008	7.010	1130	6.930	6.875	2300	96
09/15/2008	7.220	1700	6.978	6.800	1000	96
09/16/2008	7.130	0530	7.041	6.974	1400	96
09/17/2008	7.160	0630	7.055	6.993	1130	96
09/18/2008	7.180	0715	7.102	7.040	1300	96
09/19/2008	7.220	0845	7.019	6.845	1230	96
09/20/2008	7.140	0930	6.978	6.879	0230	96
09/21/2008	6.990	0100	6.923	6.753	2245	96
09/22/2008	7.080	1215	6.835	6.754	1745	96
09/23/2008	6.960	1145	6.829	6.765	0315	96
09/24/2008	6.862	1445	6.833	6.801	0430	96
09/25/2008	6.881	1615	6.839	6.805	0130	96
09/26/2008	6.920	1430	6.859	6.807	0245	96
09/27/2008	6.815	0215	6.786	6.743	1430	96
09/28/2008	6.994	0230	6.766	6.712	1600	96
09/29/2008	6.971	1315	6.803	6.697	0615	96
09/30/2008	6.935	0015	6.845	6.743	2315	96
AVERAGE	7.068		6.940	6.849		
STD DEV.:	0.146		0.123	0.117		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2008

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2008	23.520	1445	23.054	22.580	0815	96
07/02/2008	23.760	1415	23.323	23.000	0300	96
07/03/2008	23.860	1600	23.403	22.860	0400	96
07/04/2008	24.490	1530	23.814	23.170	0530	96
07/05/2008	24.720	1815	24.130	23.510	0615	96
07/06/2008	25.670	1745	24.662	23.760	0700	96
07/07/2008	26.470	1745	25.381	24.440	0530	96
07/08/2008	27.890	1730	26.415	25.300	0715	96
07/09/2008	28.330	1600	27.190	26.420	0545	96
07/10/2008	27.500	0015	27.070	26.610	0900	96
07/11/2008	27.020	0015	26.519	26.210	1000	96
07/12/2008	27.120	2200	26.273	25.790	0730	96
07/13/2008	27.070	1430	26.486	25.810	0400	96
07/14/2008	27.500	1745	26.768	25.950	2400	96
07/15/2008	28.100	1900	26.663	25.650	0945	96
07/16/2008	28.360	1800	27.592	25.400	0930	96
07/17/2008	29.070	1615	26.421	18.920	2400	96
07/18/2008	29.290	0945	22.925	17.060	0245	96
07/19/2008	26.690	0715	23.380	20.340	0430	96
07/20/2008	30.620	1315	24.228	21.450	0215	96
07/21/2008	27.990	1845	25.671	22.270	0500	96
07/22/2008	28.600	1000	26.933	26.180	0700	96
07/23/2008	28.450	0200	26.617	25.930	2400	96
07/24/2008	27.650	0145	25.995	24.590	2345	96
07/25/2008	25.430	1300	24.604	20.320	1030	89
07/26/2008	24.980	0015	24.452	24.260	0915	96
07/27/2008	24.320	0015	24.115	23.930	0900	96
07/28/2008	24.730	2130	24.353	23.980	0830	96
07/29/2008	25.270	1845	24.818	24.400	0830	96
07/30/2008	26.740	2115	25.695	24.970	0600	96
07/31/2008	27.950	1915	26.501	25.550	0500	80
AVERAGE	26.747		25.337	23.891		
STD DEV.:	1.842		1.410	2.325		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2008

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2008	7.05	1445	6.74	6.56	0045	74
08/02/2008	7.24	1730	6.82	6.71	0030	96
08/03/2008	7.02	0930	6.88	6.74	0330	56
08/20/2008	7.22	1400	6.64	6.21	1115	56
08/21/2008	7.69	0800	6.90	6.14	1645	96
08/22/2008	7.48	0315	7.03	6.64	1645	96
08/23/2008	7.58	0100	7.00	6.42	2145	96
08/24/2008	7.43	1115	7.05	6.61	1445	96
08/25/2008	7.54	0145	7.05	6.64	1000	96
08/26/2008	7.37	0330	6.87	6.57	0045	96
08/27/2008	7.23	0715	6.73	6.33	1945	96
08/28/2008	7.08	1815	6.55	6.22	1600	96
08/29/2008	6.98	0230	6.62	6.36	0315	96
08/30/2008	7.02	2215	6.70	6.62	0145	96
08/31/2008	7.23	0845	6.94	6.82	2400	96
AVERAGE	7.277		6.836	6.504		
STD DEV.:	0.228		0.165	0.212		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2008

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2008	36.340	1645	35.231	34.350	0730	74
08/02/2008	35.510	1330	35.056	34.340	2400	96
08/03/2008	34.620	1415	34.162	33.490	1630	96
08/04/2008	34.360	1545	33.796	33.100	2315	96
08/05/2008	33.270	0400	32.778	31.940	2345	96
08/06/2008	31.960	0045	31.514	30.950	2345	96
08/07/2008	31.860	1430	31.257	30.880	0300	96
08/08/2008	31.110	1345	30.609	29.790	2400	96
08/09/2008	30.990	1630	30.302	29.610	0745	96
08/10/2008	31.420	1400	30.800	30.210	0745	96
08/11/2008	30.700	0300	30.554	30.210	2400	96
08/12/2008	30.620	1800	30.304	29.930	0700	96
08/13/2008	31.100	1530	30.537	29.800	0745	96
08/14/2008	31.870	1600	31.238	30.470	0745	96
08/15/2008	32.380	1730	31.747	30.990	0730	96
08/16/2008	32.880	1245	32.042	31.520	0700	96
08/17/2008	33.330	1630	32.388	31.380	0715	96
08/18/2008	34.310	1615	33.135	31.080	2400	96
08/19/2008	32.790	0945	31.855	30.240	2400	96
08/20/2008	32.020	1515	31.048	29.590	0215	96
08/21/2008	31.380	1930	29.945	28.280	0715	96
08/22/2008	32.590	1600	31.334	29.990	0715	96
08/23/2008	33.910	1515	32.472	30.310	0300	96
08/24/2008	34.280	1645	33.223	32.360	0500	96
08/25/2008	34.250	1630	33.131	32.060	2345	96
08/26/2008	32.660	1630	31.918	31.280	0745	96
08/27/2008	33.160	1615	31.889	30.390	0745	96
08/28/2008	33.300	1800	32.278	31.050	0715	96
08/29/2008	33.700	1930	32.662	31.300	0800	96
08/30/2008	33.910	1930	33.312	32.680	0830	96
08/31/2008	33.560	1515	33.098	32.540	0645	96
AVERAGE	32.908		32.117	31.165		
STD DEV.:	1.437		1.368	1.428		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2008

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2008	7.67	0030	7.52	7.39	1145	96
08/02/2008	7.90	2030	7.65	7.41	0930	96
08/03/2008	8.01	1530	7.81	7.54	0845	96
08/04/2008	8.69	1100	8.03	7.71	0430	96
08/05/2008	8.43	1500	8.30	8.13	0415	96
08/06/2008	8.47	1330	8.35	8.22	1245	96
08/07/2008	8.88	2400	8.54	8.20	0745	96
08/08/2008	8.96	2230	8.80	8.56	0515	96
08/09/2008	8.95	0900	8.76	8.59	1430	96
08/10/2008	8.81	0345	8.60	8.41	1400	96
08/11/2008	8.61	1730	8.48	8.33	1245	96
08/12/2008	8.92	1500	8.59	8.40	0245	96
08/13/2008	8.76	0445	8.52	8.25	2330	96
08/14/2008	8.55	1400	8.37	8.00	1030	96
08/15/2008	8.57	0945	8.24	8.04	1615	96
08/16/2008	8.22	0130	8.05	7.88	2115	96
08/17/2008	8.11	0030	7.97	7.82	1145	96
08/18/2008	8.07	1315	7.92	7.80	2245	96
08/19/2008	7.93	1645	7.81	7.70	0345	96
08/20/2008	8.35	2145	8.07	7.67	0015	96
08/21/2008	8.49	2000	8.31	8.14	0830	96
08/22/2008	8.58	1715	8.41	8.24	1045	96
08/23/2008	8.56	1600	8.38	8.21	0930	96
08/24/2008	8.36	1900	8.19	8.01	1100	96
08/25/2008	8.70	1500	8.30	7.94	0530	96
08/26/2008	8.96	1145	8.68	8.33	0815	96
08/27/2008	9.38	1530	8.92	8.60	0100	96
08/28/2008	9.30	1345	8.91	8.63	2400	96
08/29/2008	9.07	0930	8.62	8.21	2230	96
08/30/2008	8.71	1445	8.26	7.86	2345	96
08/31/2008	8.65	1530	8.13	7.69	0515	96
AVERAGE	8.568		8.307	8.062		
STD DEV.:	0.406		0.356	0.347		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2008

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2008	6.950	2100	6.915	6.872	1100	96
08/02/2008	7.010	0515	6.927	6.844	1145	96
08/03/2008	7.070	1730	6.995	6.902	1130	96
08/04/2008	7.110	1245	7.049	6.982	0900	96
08/05/2008	7.110	0100	6.985	6.849	1215	96
08/06/2008	7.090	1045	7.023	6.946	0615	96
08/07/2008	7.040	0015	6.876	6.739	1215	96
08/08/2008	6.890	0945	6.775	6.601	2130	96
08/09/2008	6.826	0830	6.758	6.712	0245	96
08/10/2008	6.835	2400	6.769	6.698	1400	96
08/11/2008	6.869	2215	6.811	6.747	1315	96
08/12/2008	6.870	0715	6.812	6.649	2015	96
08/13/2008	6.889	0745	6.811	6.722	1400	96
08/14/2008	6.934	1845	6.849	6.609	1100	96
08/15/2008	6.998	0730	6.956	6.906	0030	96
08/16/2008	7.070	1630	6.988	6.922	1030	96
08/17/2008	7.090	0700	7.037	6.994	1700	96
08/18/2008	7.110	2330	7.072	7.050	0015	96
08/19/2008	7.160	1015	7.034	6.849	1430	96
08/20/2008	6.994	1100	6.881	6.740	1215	96
08/21/2008	6.915	0645	6.868	6.824	1315	96
08/22/2008	6.888	0630	6.844	6.797	2345	96
08/23/2008	6.884	2115	6.833	6.779	1015	96
08/24/2008	6.855	0030	6.834	6.811	1200	96
08/25/2008	7.090	2100	6.938	6.807	0445	96
08/26/2008	7.100	2115	7.049	7.020	0415	96
08/27/2008	7.140	1530	7.086	7.040	1015	96
08/28/2008	7.200	1700	7.114	7.050	0315	96
08/29/2008	7.660	0930	7.101	6.984	2400	96
08/30/2008	7.090	1645	6.986	6.905	0530	96
08/31/2008	7.080	1545	6.990	6.918	0915	96
AVERAGE	7.026		6.934	6.847		
STD DEV.:	0.161		0.108	0.128		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2008

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2008	23.460	1600	22.834	22.190	0730	96
09/02/2008	23.310	1530	22.572	21.870	0745	96
09/03/2008	23.670	1630	22.935	22.450	0015	96
09/04/2008	24.320	1730	23.244	22.230	0715	96
09/05/2008	25.000	1745	23.994	23.050	0730	96
09/06/2008	24.670	1800	24.239	23.820	0845	96
09/07/2008	23.970	0015	22.733	22.200	2130	96
09/08/2008	22.370	0130	22.028	21.720	0900	96
09/09/2008	21.960	0030	21.213	20.760	2400	96
09/10/2008	20.770	0015	20.499	20.270	0915	96
09/11/2008	20.390	0015	19.966	19.660	2400	96
09/12/2008	19.660	0015	19.298	19.070	2215	96
09/13/2008	19.770	1715	19.346	18.950	0745	96
09/14/2008	20.010	1745	19.904	19.750	0015	96
09/15/2008	20.210	0915	19.390	18.780	0945	95
09/16/2008	19.540	1100	18.667	18.050	2400	96
09/17/2008	18.440	1630	18.095	17.710	0830	96
09/18/2008	18.320	0115	18.056	17.740	2315	96
09/19/2008	17.800	0200	17.447	16.810	2400	96
09/20/2008	17.050	1515	16.768	16.530	2400	96
09/21/2008	16.900	1530	16.607	16.390	0815	96
09/22/2008	18.780	1600	17.541	16.430	1330	96
09/23/2008	18.690	1600	18.320	18.010	2400	96
09/24/2008	18.650	1515	18.208	17.830	0300	96
09/25/2008	18.630	1530	18.242	17.920	0500	96
09/26/2008	17.990	0930	17.770	17.350	2400	96
09/27/2008	17.480	1715	17.367	17.260	0745	96
09/28/2008	17.660	1815	17.438	17.220	0815	96
09/29/2008	17.890	2045	17.677	17.320	0830	96
09/30/2008	17.850	0015	17.653	17.570	0900	96
AVERAGE	20.174		19.668	19.230		
STD DEV.:	2.543		2.358	2.259		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2008

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2008	28.490	0145	27.279	25.690	0945	96
09/02/2008	28.470	0030	26.399	23.940	1100	96
09/03/2008	29.630	1645	27.725	25.690	0545	96
09/04/2008	30.210	1945	28.850	27.180	0930	96
09/05/2008	31.450	1530	30.084	28.600	0615	96
09/06/2008	30.960	1630	29.344	25.560	2400	96
09/07/2008	25.520	0015	24.307	23.750	0915	96
09/08/2008	24.690	1400	24.186	23.900	0715	96
09/09/2008	24.170	0015	23.258	22.560	2400	96
09/10/2008	22.520	0030	22.225	21.930	0930	96
09/11/2008	22.190	1430	21.755	21.300	2300	96
09/12/2008	21.440	1230	21.114	20.730	2345	96
09/13/2008	21.650	1600	21.126	20.680	0715	96
09/14/2008	22.490	2345	21.688	21.370	0015	96
09/15/2008	22.690	1730	22.189	21.610	0015	96
09/16/2008	22.360	0230	22.002	21.350	2345	96
09/17/2008	21.950	1545	21.436	21.010	0730	96
09/18/2008	21.620	1400	21.266	20.770	2400	96
09/19/2008	21.200	1445	20.566	19.430	2400	96
09/20/2008	19.740	1415	19.217	18.850	0600	96
09/21/2008	19.740	1415	19.247	18.730	0615	96
09/22/2008	19.840	1200	18.967	18.010	2400	96
09/23/2008	18.770	1500	18.169	17.660	0545	96
09/24/2008	19.150	1530	18.439	17.830	0645	96
09/25/2008	21.330	1500	19.311	17.630	0600	96
09/26/2008	20.290	2245	18.522	17.830	2345	96
09/27/2008	18.040	1415	17.901	17.770	0915	96
09/28/2008	18.420	2315	18.092	17.830	0915	96
09/29/2008	18.880	1600	18.550	18.200	0700	96
09/30/2008	18.730	0100	18.536	18.410	2100	96
AVERAGE	22.888		22.058	21.193		
STD DEV.:	4.017		3.666	3.148		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2008

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2008	7.40	0030	7.13	6.70	1900	96
10/02/2008	7.20	1400	6.87	6.52	0915	96
10/03/2008	7.69	2400	7.27	6.59	0030	96
10/04/2008	7.91	2345	7.79	7.65	0115	96
10/05/2008	8.14	2030	7.94	7.81	0200	96
10/06/2008	8.16	1315	7.91	7.52	1815	96
10/07/2008	8.20	1100	7.87	7.56	0645	96
10/08/2008	8.24	0945	8.00	7.68	2015	96
10/09/2008	8.16	1230	7.86	7.34	2145	96
10/10/2008	8.09	1100	7.68	7.23	2330	96
10/11/2008	7.97	1115	7.55	7.19	2300	96
10/12/2008	7.97	1515	7.55	7.24	2115	96
10/13/2008	7.96	1515	7.59	6.99	2115	96
10/14/2008	7.89	0930	7.54	6.94	2330	96
10/15/2008	8.05	1115	7.58	6.93	0045	96
10/16/2008	8.00	1900	7.83	7.34	0015	96
10/17/2008	8.18	2400	7.80	7.46	0545	96
10/18/2008	8.13	1715	7.77	7.45	0245	96
10/19/2008	8.18	1615	7.92	7.61	2215	96
10/20/2008	8.39	1245	7.91	7.28	2315	96
10/21/2008	8.62	1545	8.03	7.30	0200	96
10/22/2008	8.51	1500	8.29	7.87	2315	96
10/23/2008	8.82	2015	8.46	7.89	0515	96
10/24/2008	8.94	1915	8.72	8.56	0415	96
10/25/2008	8.85	1800	8.68	8.51	2330	96
10/26/2008	8.66	0015	7.90	6.92	1245	96
10/27/2008	8.91	1430	8.00	6.92	0400	96
10/28/2008	8.92	0630	8.58	8.16	2330	96
10/29/2008	8.32	1015	8.06	7.71	0345	96
10/30/2008	8.52	1515	8.09	7.62	0300	96
10/31/2008	9.23	2130	8.79	8.19	0615	96
AVERAGE	8.265		7.901	7.441		
STD DEV.:	0.457		0.441	0.511		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR October 2008

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2008	6.952	0145	6.921	6.888	1415	96
10/02/2008	6.967	0145	6.912	6.867	1200	96
10/03/2008	7.010	0615	6.939	6.800	1030	96
10/04/2008	7.020	2245	6.977	6.946	1200	96
10/05/2008	7.050	0130	7.007	6.953	1615	96
10/06/2008	7.010	0015	6.952	6.911	1400	96
10/07/2008	6.986	0145	6.964	6.932	1230	96
10/08/2008	7.030	2400	6.975	6.637	0945	96
10/09/2008	7.060	0200	7.006	6.942	1845	96
10/10/2008	7.020	2400	6.987	6.881	1245	96
10/11/2008	7.060	0630	7.038	7.010	0015	96
10/12/2008	7.090	0645	7.058	7.030	1200	96
10/13/2008	7.070	0100	7.036	7.020	0845	96
10/14/2008	7.100	0230	7.077	7.040	0015	96
10/15/2008	7.090	0615	7.054	6.858	1045	96
10/16/2008	7.180	1815	7.131	7.070	0015	96
10/17/2008	7.170	0645	7.128	7.020	1245	96
10/18/2008	7.230	1815	7.184	7.150	0015	96
10/19/2008	7.270	0630	7.239	7.210	1245	96
10/20/2008	7.260	1900	7.222	7.180	1045	96
10/21/2008	7.270	0630	7.189	7.110	1245	96
10/22/2008	7.190	1800	7.156	7.130	0015	96
10/23/2008	7.170	0600	7.135	7.030	1015	96
10/24/2008	7.230	1815	7.185	7.130	1145	96
10/25/2008	7.230	0545	7.192	7.150	1130	96
10/26/2008	7.230	0100	7.079	6.945	2000	96
10/27/2008	7.210	2330	7.086	6.873	1100	96
10/28/2008	7.220	0030	7.112	7.040	1500	96
10/29/2008	7.120	0845	7.088	7.060	0015	96
10/30/2008	7.130	0545	6.913	6.685	1245	96
10/31/2008	6.838	2400	6.719	6.554	1045	96
AVERAGE	7.112		7.054	6.969		
STD DEV.:	0.110		0.114	0.156		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2008

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2008	29.500	1530	29.363	29.200	0115	96
10/02/2008	29.400	1600	29.257	29.050	2400	96
10/03/2008	29.040	0015	27.836	27.210	2400	96
10/04/2008	27.190	0015	26.891	26.380	2400	96
10/05/2008	26.740	1515	26.060	24.980	2030	96
10/06/2008	25.970	1400	25.683	25.510	0800	96
10/07/2008	25.550	0015	25.305	25.090	1030	96
10/08/2008	26.210	1415	25.485	24.940	0430	96
10/09/2008	27.340	1530	26.169	25.380	0415	96
10/10/2008	27.050	1600	26.455	25.950	0730	96
10/11/2008	27.310	1430	26.591	26.000	0715	96
10/12/2008	27.460	1430	26.702	26.070	0730	96
10/13/2008	27.220	1545	26.810	26.330	0700	96
10/14/2008	26.650	0015	25.804	25.190	0230	96
10/15/2008	27.020	1430	26.319	25.670	0730	96
10/16/2008	26.750	0200	26.193	25.150	0515	96
10/17/2008	26.220	1315	25.625	25.010	1530	96
10/18/2008	25.150	1500	24.745	24.330	2345	96
10/19/2008	24.310	0015	23.852	23.450	2400	96
10/20/2008	23.510	1500	23.049	22.490	0815	96
10/21/2008	23.210	1115	22.889	22.100	1400	96
10/22/2008	22.760	0030	22.429	22.210	1015	96
10/23/2008	22.320	0015	21.986	21.660	0815	96
10/24/2008	22.280	1445	21.728	21.190	0800	96
10/25/2008	22.070	2345	21.600	21.290	0745	96
10/26/2008	23.580	1500	22.644	21.380	2400	96
10/27/2008	21.290	0015	20.610	20.150	2330	96
10/28/2008	20.620	2200	20.392	20.130	0115	96
10/29/2008	21.650	2130	20.680	19.090	0830	96
10/30/2008	21.640	0130	21.094	20.380	1400	96
10/31/2008	21.450	1445	20.747	18.950	2400	96
AVERAGE	25.112		24.548	23.933		
STD DEV.:	2.631		2.623	2.764		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2008

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2008	8.72	0015	8.54	8.38	1830	96
10/02/2008	8.59	2345	8.49	8.31	2215	96
10/03/2008	9.20	2130	8.83	8.44	0145	96
10/04/2008	9.64	2315	9.29	9.10	0230	96
10/05/2008	9.79	0515	9.59	9.42	1200	96
10/06/2008	9.86	0800	9.68	9.46	1615	96
10/07/2008	9.97	0530	9.79	9.57	0915	96
10/08/2008	10.00	0330	9.84	9.63	0100	96
10/09/2008	10.02	0745	9.74	9.56	1130	96
10/10/2008	9.78	0915	9.53	9.26	1330	96
10/11/2008	9.83	0745	9.65	9.43	0215	96
10/12/2008	9.91	0845	9.68	9.54	0115	96
10/13/2008	9.96	1045	9.66	9.43	0245	96
10/14/2008	9.88	0045	9.60	9.28	2045	96
10/15/2008	9.81	1400	9.47	9.22	0815	96
10/16/2008	10.00	1315	9.57	9.20	2145	96
10/17/2008	9.78	2345	9.46	9.17	0415	96
10/18/2008	10.09	0945	9.84	9.53	0200	96
10/19/2008	10.16	0915	9.99	9.78	1715	96
10/20/2008	10.52	1115	10.29	10.08	0400	96
10/21/2008	10.56	1200	10.31	10.08	2400	96
10/22/2008	10.74	1400	10.40	10.07	0100	96
10/23/2008	10.91	1430	10.60	10.31	0445	96
10/24/2008	11.16	1500	10.80	10.54	0215	96
10/25/2008	11.16	1915	10.81	10.49	0330	96
10/26/2008	10.67	0145	10.18	9.72	2230	96
10/27/2008	10.58	2400	10.17	9.68	0545	96
10/28/2008	10.56	0015	10.17	9.96	2030	96
10/29/2008	10.26	0945	10.05	9.85	0345	96
10/30/2008	10.67	2030	10.34	9.99	0245	96
10/31/2008	10.93	0330	10.76	10.05	2400	96
AVERAGE	10.120		9.843	9.565		
STD DEV.:	0.616		0.582	0.548		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2008

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2008	6.969	1100	6.852	6.745	1830	96
10/02/2008	6.949	1245	6.829	6.705	1730	96
10/03/2008	7.060	0600	6.852	6.719	1415	96
10/04/2008	6.902	0345	6.807	6.733	1500	96
10/05/2008	6.877	0215	6.802	6.737	1215	96
10/06/2008	6.948	0800	6.835	6.754	1400	96
10/07/2008	6.890	0315	6.815	6.757	1215	96
10/08/2008	6.876	0500	6.812	6.773	1100	96
10/09/2008	6.956	1730	6.907	6.790	0015	96
10/10/2008	6.933	1545	6.886	6.732	1430	96
10/11/2008	6.946	0830	6.864	6.825	1830	96
10/12/2008	6.926	0745	6.861	6.808	2215	96
10/13/2008	6.869	0715	6.843	6.810	2300	96
10/14/2008	6.848	0600	6.821	6.806	1400	96
10/15/2008	6.988	2100	6.894	6.739	1345	96
10/16/2008	7.160	1545	7.024	6.942	0145	96
10/17/2008	7.110	0230	6.983	6.806	1100	96
10/18/2008	7.050	0800	6.969	6.876	1830	96
10/19/2008	7.030	0915	6.947	6.861	1845	96
10/20/2008	7.020	0415	6.928	6.881	2300	96
10/21/2008	7.000	2245	6.913	6.864	0445	96
10/22/2008	7.090	0830	7.008	6.912	2400	96
10/23/2008	7.040	1115	6.945	6.902	1030	96
10/24/2008	6.948	0130	6.912	6.882	1215	96
10/25/2008	6.931	2000	6.886	6.851	1115	96
10/26/2008	7.050	1845	6.992	6.808	0215	96
10/27/2008	7.040	0745	6.978	6.709	1145	96
10/28/2008	6.937	2345	6.873	6.815	1100	96
10/29/2008	6.944	0115	6.863	6.820	1300	96
10/30/2008	6.861	0730	6.820	6.746	2145	96
10/31/2008	6.854	0615	6.774	6.699	1915	96
AVERAGE	6.968		6.887	6.800		
STD DEV.:	0.081		0.068	0.067		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2008

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2008	17.740	1730	17.638	17.560	0915	96
10/02/2008	17.620	0045	17.485	17.300	2400	96
10/03/2008	17.280	0015	16.566	16.060	2345	96
10/04/2008	16.060	0015	15.458	15.080	2400	96
10/05/2008	15.050	0015	14.746	14.500	0900	96
10/06/2008	14.650	0015	14.342	14.070	2400	96
10/07/2008	14.070	0015	13.679	13.420	0915	96
10/08/2008	13.650	0015	13.378	13.130	1015	96
10/09/2008	14.220	1600	13.822	13.220	0015	96
10/10/2008	14.590	1445	14.226	13.980	0800	96
10/11/2008	14.550	1530	14.193	13.990	0300	96
10/12/2008	14.370	1515	14.034	13.780	0945	96
10/13/2008	14.360	1645	14.062	13.780	0200	96
10/14/2008	14.240	1645	14.120	14.010	0115	96
10/15/2008	14.790	1845	14.321	13.170	1045	71
10/16/2008	14.830	1345	14.643	14.340	2400	96
10/17/2008	14.330	0015	14.009	13.490	2400	96
10/18/2008	13.480	0015	13.135	12.690	2400	96
10/19/2008	12.670	0015	12.240	11.680	2400	96
10/20/2008	11.650	0015	11.378	11.130	0830	96
10/21/2008	11.670	1400	11.303	9.360	0930	96
10/22/2008	11.380	0015	11.166	10.860	2400	96
10/23/2008	10.840	0015	10.584	10.340	2400	96
10/24/2008	10.430	1600	10.081	9.720	0800	96
10/25/2008	10.430	2400	9.946	9.490	0745	96
10/26/2008	11.420	1715	10.908	10.430	0015	96
10/27/2008	11.280	0100	10.609	10.140	1015	96
10/28/2008	10.750	1615	10.658	10.460	0015	96
10/29/2008	10.600	0015	10.137	9.580	2400	96
10/30/2008	9.570	0015	8.938	8.480	2400	96
10/31/2008	8.480	0015	8.173	7.900	0930	96
AVERAGE	13.260		12.902	12.488		
STD DEV.:	2.386		2.414	2.500		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2008

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2008	18.680	1615	18.510	18.400	0645	96
10/02/2008	18.570	0030	18.330	18.060	2330	96
10/03/2008	18.120	0015	17.355	16.810	2400	96
10/04/2008	16.780	0015	16.353	15.960	2345	96
10/05/2008	15.930	0030	15.654	15.420	2300	96
10/06/2008	15.460	1330	15.173	14.840	2400	96
10/07/2008	14.860	0015	14.528	14.220	2400	96
10/08/2008	15.000	1300	14.352	14.070	0630	96
10/09/2008	15.360	1815	14.762	14.020	0015	96
10/10/2008	16.020	1915	15.137	14.710	0700	96
10/11/2008	15.870	1445	15.170	14.660	0615	96
10/12/2008	16.150	2315	15.225	14.570	0500	96
10/13/2008	17.160	1700	15.887	14.500	0615	96
10/14/2008	17.100	1700	16.299	15.000	2200	96
10/15/2008	17.260	1530	16.020	14.600	0615	96
10/16/2008	16.960	1400	15.931	14.730	0145	96
10/17/2008	15.200	1215	14.657	14.220	2300	96
10/18/2008	15.020	0030	13.929	13.250	2400	96
10/19/2008	13.890	1900	13.100	12.460	2400	96
10/20/2008	13.820	2215	12.536	11.670	1015	96
10/21/2008	13.950	1400	12.985	11.890	2400	96
10/22/2008	13.620	1915	12.130	11.630	0645	96
10/23/2008	13.210	0015	11.861	11.080	0800	96
10/24/2008	13.290	1745	12.005	10.470	0945	96
10/25/2008	15.240	1530	13.550	11.920	0345	96
10/26/2008	14.050	0145	12.109	11.210	0815	96
10/27/2008	12.160	0015	11.593	10.900	0830	96
10/28/2008	11.860	1500	11.677	11.410	0115	96
10/29/2008	11.590	0030	11.226	10.840	2400	96
10/30/2008	10.810	0030	10.341	9.860	1015	96
10/31/2008	9.980	0030	9.631	8.950	2345	96
AVERAGE	14.935		14.130	13.430		
STD DEV.:	2.210		2.257	2.340		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2008

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2008	9.70	1015	9.21	8.80	0845	96
11/02/2008	9.73	1530	9.52	9.02	0045	96
11/03/2008	9.81	2045	9.51	9.29	1700	96
11/04/2008	9.46	0215	8.84	8.34	1345	96
11/05/2008	8.81	1345	8.32	8.03	2315	96
11/06/2008	8.87	1945	8.32	8.06	1715	96
11/07/2008	9.08	1345	8.77	8.21	0100	96
11/08/2008	8.87	0015	8.59	8.23	0730	96
11/09/2008	8.46	0030	8.19	7.76	1900	96
11/10/2008	8.74	2300	8.32	7.88	0430	96
11/11/2008	8.77	1045	8.63	8.43	1615	96
11/12/2008	8.79	1230	8.61	8.24	1845	96
11/13/2008	8.87	1100	8.64	8.31	0715	96
11/14/2008	9.01	2230	8.64	7.87	1315	96
11/15/2008	9.05	0715	8.72	8.03	1300	96
11/16/2008	9.01	0745	8.59	7.81	0230	96
11/17/2008	9.20	1330	8.80	8.04	0200	95
11/18/2008	9.50	1730	9.09	8.60	2400	96
11/19/2008	9.78	1845	9.27	8.17	0115	96
11/20/2008	10.02	1030	9.39	9.00	0015	96
11/21/2008	10.34	2200	9.72	8.81	0900	96
11/22/2008	10.59	1045	10.38	9.92	0045	96
11/23/2008	10.84	1100	10.45	10.07	0245	96
11/24/2008	11.09	1200	10.73	10.24	1630	96
11/25/2008	11.19	0845	10.65	9.87	2015	96
11/26/2008	10.82	1345	10.49	10.02	0045	96
11/27/2008	10.88	0915	10.37	9.62	1045	96
11/28/2008	10.73	0445	10.14	9.39	0630	96
11/29/2008	9.99	2200	9.56	8.97	1015	96
11/30/2008	10.11	0700	9.67	9.20	2200	96
AVERAGE	9.670		9.272	8.741		
STD DEV.:	0.827		0.791	0.768		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR November 2008

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2008	6.906	1515	6.886	6.836	0015	96
11/02/2008	6.945	0730	6.908	6.886	2400	96
11/03/2008	7.060	2400	6.885	6.804	1345	96
11/04/2008	7.120	0600	7.068	6.973	2345	96
11/05/2008	6.970	0015	6.867	6.771	2115	96
11/06/2008	6.858	1415	6.823	6.782	1215	96
11/07/2008	7.080	0545	6.937	6.812	0015	96
11/08/2008	6.879	0830	6.864	6.851	0115	96
11/09/2008	6.902	2315	6.887	6.871	0015	96
11/10/2008	6.921	0400	6.860	6.740	1215	96
11/11/2008	6.909	2345	6.889	6.863	0115	96
11/12/2008	6.934	0700	6.908	6.884	1145	96
11/13/2008	6.917	0530	6.902	6.872	1430	96
11/14/2008	6.913	0045	6.881	6.842	1545	96
11/15/2008	6.929	2300	6.903	6.890	0100	96
11/16/2008	6.953	2330	6.924	6.894	0515	96
11/17/2008	6.968	0615	6.936	6.704	1330	95
11/18/2008	6.942	0415	6.925	6.898	1245	96
11/19/2008	7.010	2200	6.962	6.928	1145	96
11/20/2008	7.040	2400	7.005	6.972	1145	96
11/21/2008	7.050	0700	6.986	6.896	1145	96
11/22/2008	7.030	0745	7.016	6.992	0015	96
11/23/2008	7.030	0015	7.017	6.984	1230	96
11/24/2008	7.020	0445	6.957	6.781	1200	96
11/25/2008	7.070	1030	7.040	6.957	0045	96
11/26/2008	7.050	0015	7.008	6.903	1115	96
11/27/2008	7.030	0030	6.999	6.969	1230	96
11/28/2008	7.020	2330	6.963	6.924	1630	96
11/29/2008	7.030	0600	6.990	6.949	1645	96
11/30/2008	6.983	2030	6.963	6.952	1115	96
AVERAGE	6.982		6.939	6.879		
STD DEV.:	0.068		0.061	0.076		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2008

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2008	19.400	1930	18.760	17.620	0345	96
11/02/2008	19.200	0015	17.565	16.690	1945	96
11/03/2008	18.550	1515	17.098	10.210	2400	96
11/04/2008	16.820	2400	12.141	9.700	0615	96
11/05/2008	19.930	1530	18.576	16.860	0015	96
11/06/2008	20.120	2215	19.428	18.500	2400	96
11/07/2008	21.220	2245	16.552	10.530	0500	96
11/08/2008	22.180	2400	21.730	21.210	0030	96
11/09/2008	22.480	1745	22.325	22.200	0015	96
11/10/2008	22.420	0545	22.334	22.120	2400	96
11/11/2008	22.130	0015	21.882	21.600	1345	96
11/12/2008	21.970	1445	21.803	21.650	2400	96
11/13/2008	21.630	0015	21.417	21.230	1900	96
11/14/2008	21.400	1500	21.065	20.440	1830	96
11/15/2008	21.720	2400	21.156	20.870	0015	96
11/16/2008	22.120	0445	20.818	19.990	2400	96
11/17/2008	20.000	0030	19.738	19.570	0945	95
11/18/2008	19.960	1245	19.733	19.330	2345	96
11/19/2008	19.400	0215	18.068	17.160	2345	96
11/20/2008	17.200	0145	16.626	16.070	2345	96
11/21/2008	16.090	0015	15.838	15.350	2400	96
11/22/2008	15.350	0100	14.813	14.300	2400	96
11/23/2008	14.280	0015	14.106	13.940	1645	96
11/24/2008	14.560	1415	14.087	13.600	1715	96
11/25/2008	14.290	0115	13.086	11.980	0745	96
11/26/2008	14.410	1130	14.241	14.080	0115	96
11/27/2008	14.300	1230	13.934	13.540	1930	96
11/28/2008	13.970	1615	13.320	11.900	2400	96
11/29/2008	14.270	2130	13.232	11.610	0600	96
11/30/2008	14.250	1430	14.143	14.040	0830	96
AVERAGE	18.521		17.654	16.596		
STD DEV.:	3.175		3.344	3.982		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2008

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2008	11.18	2315	10.85	10.55	0015	96
11/02/2008	11.22	2115	11.01	10.76	0830	96
11/03/2008	12.05	1515	11.29	11.08	1600	96
11/04/2008	11.50	0630	11.05	10.19	2130	96
11/05/2008	11.20	0415	10.20	9.70	2130	88
11/06/2008	11.60	0445	10.43	9.50	2100	16
11/07/2008	11.42	0015	10.96	10.70	2245	96
11/08/2008	10.83	0530	10.58	10.41	1045	96
11/09/2008	10.46	0015	10.10	9.81	2015	96
11/10/2008	10.32	2045	10.14	10.02	0015	96
11/11/2008	10.47	1900	10.29	10.12	1330	96
11/12/2008	10.55	2030	10.38	10.16	1030	96
11/13/2008	10.94	1115	10.69	10.50	0015	96
11/14/2008	10.96	1445	10.67	10.51	2200	96
11/15/2008	10.83	1630	10.59	10.48	1830	96
11/16/2008	10.79	2345	10.62	10.46	1545	96
11/17/2008	11.16	1700	10.87	10.58	0315	95
11/18/2008	11.33	0600	11.08	10.93	1030	96
11/19/2008	11.68	2130	11.35	10.98	0100	96
11/20/2008	12.03	1430	11.79	11.49	0445	96
11/21/2008	12.56	1630	12.22	11.73	0515	96
11/22/2008	12.82	2145	12.59	12.33	0515	96
11/23/2008	13.18	1900	12.86	12.39	1000	96
11/24/2008	13.12	0500	12.13	10.02	0630	96
11/25/2008	12.47	0800	12.12	11.79	1815	96
11/26/2008	13.24	2330	12.42	11.71	0130	96
11/27/2008	13.29	0015	13.03	12.64	1715	96
11/28/2008	13.04	0045	12.77	12.48	1330	96
11/29/2008	13.30	0745	12.90	12.61	0115	96
11/30/2008	13.32	0415	12.90	12.70	1815	96
AVERAGE	11.762		11.362	10.978		
STD DEV.:	1.014		0.974	0.970		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2008

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2008	6.767	2300	6.717	6.658	1130	96
11/02/2008	6.786	0345	6.703	6.600	1815	96
11/03/2008	6.711	1615	6.673	6.631	0945	96
11/04/2008	6.825	2045	6.718	6.614	0645	96
11/05/2008	6.859	1915	6.783	6.600	2115	88
11/06/2008	6.887	2245	6.803	6.614	0500	16
11/07/2008	6.871	1715	6.846	6.819	2130	96
11/08/2008	6.899	0200	6.849	6.821	0030	96
11/09/2008	6.872	1000	6.796	6.632	1200	96
11/10/2008	6.820	2200	6.790	6.669	1400	96
11/11/2008	6.842	0215	6.778	6.737	1445	96
11/12/2008	6.775	0415	6.731	6.665	1930	96
11/13/2008	7.130	1200	6.794	6.692	1115	96
11/14/2008	6.992	1045	6.952	6.906	1545	96
11/15/2008	6.994	2400	6.967	6.900	1445	96
11/16/2008	7.010	0645	6.927	6.744	1245	96
11/17/2008	6.992	0230	6.911	6.811	2200	95
11/18/2008	6.941	1000	6.858	6.788	0900	96
11/19/2008	6.891	0115	6.811	6.739	1715	96
11/20/2008	6.774	0145	6.688	6.603	2400	96
11/21/2008	6.863	2330	6.707	6.547	0445	96
11/22/2008	6.847	0015	6.783	6.703	2345	96
11/23/2008	6.732	0500	6.670	6.588	1900	96
11/24/2008	6.838	2115	6.736	6.609	0530	96
11/25/2008	7.270	2345	7.112	6.807	0015	96
11/26/2008	7.250	0015	6.999	6.565	1200	96
11/27/2008	6.801	0515	6.717	6.626	1800	96
11/28/2008	6.723	1315	6.685	6.641	0545	96
11/29/2008	6.724	0845	6.663	6.571	1245	96
11/30/2008	6.919	2230	6.706	6.629	1930	96
AVERAGE	6.887		6.796	6.684		
STD DEV.:	0.140		0.111	0.100		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2008

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2008	8.220	0030	8.021	7.640	2400	96
11/02/2008	7.640	0015	7.242	6.997	2400	96
11/03/2008	6.987	0015	6.690	6.578	1215	96
11/04/2008	6.817	2400	6.608	6.401	0845	94
11/05/2008	7.550	2315	7.252	6.829	0015	96
11/06/2008	8.540	2345	8.070	7.550	0015	96
11/07/2008	9.400	2400	9.033	8.560	0015	96
11/08/2008	10.280	2400	9.893	9.400	0015	96
11/09/2008	10.700	1700	10.488	10.280	0015	96
11/10/2008	10.630	0145	10.424	10.170	2330	96
11/11/2008	10.170	0015	9.769	9.530	2215	96
11/12/2008	9.580	0030	9.404	9.210	2345	96
11/13/2008	9.200	0015	8.729	8.410	2300	96
11/14/2008	8.520	2400	8.393	8.270	0900	96
11/15/2008	8.970	2400	8.590	8.450	1000	96
11/16/2008	9.060	1015	8.868	8.380	2400	96
11/17/2008	8.360	0015	7.998	7.850	0845	96
11/18/2008	8.140	1530	7.982	7.740	2400	96
11/19/2008	7.720	0015	6.690	5.798	2400	96
11/20/2008	5.781	0015	4.985	4.361	2400	96
11/21/2008	4.351	0015	3.913	3.447	2400	96
11/22/2008	3.443	0015	2.882	2.354	2400	96
11/23/2008	2.345	0015	1.919	1.682	2400	96
11/24/2008	1.688	0045	1.545	1.347	1100	44
AVERAGE	7.671		7.308	6.968		
STD DEV.:	2.501		2.547	2.581		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2008

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2008	9.560	0100	9.273	8.880	2345	96
11/02/2008	9.000	0030	8.785	8.610	0945	96
11/03/2008	8.740	1845	8.510	8.040	2400	96
11/04/2008	7.990	0015	7.305	6.542	1645	94
11/05/2008	8.510	1715	7.927	7.370	0015	96
11/06/2008	9.790	2345	8.702	8.150	0100	96
11/07/2008	10.740	2345	10.104	9.340	0615	96
11/08/2008	11.520	2045	11.110	10.640	0230	96
11/09/2008	11.750	1300	11.522	11.340	0145	96
11/10/2008	11.750	0315	11.542	11.210	2300	96
11/11/2008	11.310	0145	10.925	10.710	2400	96
11/12/2008	10.750	0115	10.619	10.370	2315	96
11/13/2008	10.400	0015	9.969	9.670	2400	96
11/14/2008	9.860	1515	9.663	9.140	1400	96
11/15/2008	10.420	2330	9.942	9.730	0930	96
11/16/2008	10.610	0515	10.194	9.690	2400	96
11/17/2008	9.700	0015	9.117	8.690	1745	96
11/18/2008	9.340	1615	9.090	8.770	0100	96
11/19/2008	9.060	0015	8.259	7.620	2245	96
11/20/2008	7.660	0015	7.022	6.558	2400	96
11/21/2008	6.625	0445	6.347	5.952	2300	96
11/22/2008	6.039	0115	5.628	5.390	2000	96
11/23/2008	5.738	2345	5.455	5.270	1630	96
11/24/2008	5.775	0915	5.553	5.377	0800	48
AVERAGE	9.277		8.857	8.461		
STD DEV.:	1.847		1.863	1.869		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2008

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
12/01/2008	10.73	2000	9.56	8.75	1015	96
12/02/2008	10.47	0945	10.15	9.75	2115	96
12/03/2008	10.97	1415	10.33	9.82	0515	96
12/04/2008	10.82	1345	10.55	10.40	2200	96
12/05/2008	10.55	0115	10.41	10.25	0830	45

AVERAGE	10.708		10.200	9.794		
STD DEV.:	0.202		0.388	0.646		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR December 2008

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
12/01/2008	6.982	0030	6.968	6.952	1430	96
12/02/2008	6.998	1230	6.983	6.968	0015	96
12/03/2008	7.030	2015	6.980	6.673	1215	96
12/04/2008	7.100	2245	7.067	7.030	0015	96
12/05/2008	7.160	2000	7.116	7.050	1245	96
12/06/2008	7.190	0545	7.126	7.070	1145	96
12/07/2008	7.120	2315	7.084	7.060	1100	96
12/08/2008	7.150	0500	7.116	7.060	1145	96
12/09/2008	7.130	0145	6.920	6.760	1845	96
12/10/2008	7.080	2345	7.044	6.997	0015	96
12/11/2008	7.110	0615	6.979	6.829	1200	96
12/12/2008	7.062	1015	7.023	6.917	0215	84
12/13/2008	7.006	0815	6.966	6.917	1745	96
12/14/2008	7.110	0945	7.009	6.917	0015	96
12/15/2008	7.100	0315	7.009	6.919	1130	96
12/16/2008	7.070	0100	6.971	6.816	1345	96
12/17/2008	6.923	0915	6.873	6.813	1315	96
12/18/2008	6.850	1615	6.832	6.820	0015	96
12/19/2008	6.865	2130	6.838	6.820	0245	96
12/20/2008	6.871	0745	6.825	6.769	2400	96
12/21/2008	6.822	2400	6.785	6.766	0300	96
12/22/2008	6.831	0945	6.764	6.680	1630	96
12/23/2008	6.720	1415	6.686	6.670	0100	96
12/24/2008	6.730	1615	6.702	6.680	0030	96
12/25/2008	6.740	0100	6.710	6.680	2230	96
12/26/2008	6.800	0830	6.696	6.670	0245	94
12/27/2008	6.720	1030	6.708	6.690	0030	96
12/28/2008	6.720	0030	6.707	6.620	0730	29
12/29/2008	7.000	1045	6.785	6.641	1245	57
12/30/2008	7.180	1745	6.981	6.825	0015	96
12/31/2008	7.200	1830	7.137	6.900	1000	96
AVERAGE	6.980		6.916	6.838		
STD DEV.:	0.161		0.147	0.142		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2008

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
12/01/2008	14.800	1545	14.558	14.230	0015	96
12/02/2008	14.830	1630	14.706	14.580	0815	96
12/03/2008	14.930	1415	14.775	14.610	0815	96
12/04/2008	15.010	2030	14.823	14.650	0800	96
12/05/2008	14.930	0015	13.986	12.650	2400	96
12/06/2008	14.080	1900	13.312	12.120	0745	96
12/07/2008	14.170	0515	14.032	13.600	2400	96
12/08/2008	13.570	0015	13.242	13.020	0700	96
12/09/2008	20.940	1800	17.885	12.990	0145	96
12/10/2008	15.090	2400	14.402	13.660	0130	96
12/11/2008	15.070	0015	14.411	13.930	2400	96
12/12/2008	14.120	1315	13.926	13.800	2130	84
12/13/2008	13.830	0015	13.321	12.430	2400	96
12/14/2008	13.660	2000	13.068	12.420	0015	96
12/15/2008	13.960	0330	13.185	12.090	2400	96
12/16/2008	13.480	1400	12.942	11.830	0130	96
12/17/2008	13.450	0115	13.064	12.690	2400	96
12/18/2008	13.020	2115	12.783	12.570	0445	96
12/19/2008	12.960	0015	12.698	12.110	2245	96
12/20/2008	19.910	2400	16.011	12.140	0015	96
12/21/2008	20.520	1200	19.981	19.410	1845	96
12/22/2008	20.280	1430	19.971	19.680	0730	96
12/23/2008	21.170	1745	20.716	19.990	0015	96
12/24/2008	21.800	1815	21.220	20.520	2245	96
12/25/2008	21.550	0430	21.110	20.590	2330	96
12/26/2008	21.640	1315	21.193	20.590	0015	96
12/27/2008	21.840	2400	20.760	18.870	0445	96
12/28/2008	22.680	1245	22.140	21.600	2400	96
12/29/2008	22.020	2115	21.658	21.340	0415	96
12/30/2008	22.010	0300	19.050	13.410	2400	96
12/31/2008	14.160	1130	13.362	12.070	2400	96
AVERAGE	16.951		16.203	15.167		
STD DEV.:	3.640		3.400	3.449		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2008

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
12/01/2008	12.73	0030	12.47	12.15	2400	96
12/02/2008	12.55	0200	12.28	11.98	1000	40
AVERAGE	12.640		12.376	12.065		
STD DEV.:	0.127		0.130	0.120		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2008

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
12/01/2008	6.952	2030	6.893	6.817	1745	96
12/02/2008	7.000	2300	6.903	6.780	1615	72
12/03/2008	7.090	2400	6.966	6.567	1230	96
12/04/2008	7.100	0030	7.083	7.060	1445	96
12/05/2008	7.080	2400	7.065	7.050	1700	96
12/06/2008	7.140	0230	7.102	7.070	0015	96
12/07/2008	7.090	2330	7.061	7.040	1630	96
12/08/2008	7.250	2115	7.176	7.090	0015	96
12/09/2008	7.230	0500	7.159	7.100	1245	96
12/10/2008	7.150	0300	7.093	7.050	1630	96
12/11/2008	7.170	1145	7.010	6.896	1200	96
12/12/2008	6.973	0515	6.919	6.858	1815	96
12/13/2008	6.913	0515	6.850	6.780	1815	96
12/14/2008	6.785	0015	6.694	6.633	2230	96
12/15/2008	6.786	1415	6.699	6.550	0215	96
12/16/2008	6.867	2030	6.812	6.750	0330	96
12/17/2008	6.949	2300	6.908	6.864	0015	96
12/18/2008	6.971	1045	6.917	6.873	2215	96
12/19/2008	6.961	2000	6.906	6.876	0115	96
12/20/2008	7.000	0730	6.941	6.668	0800	96
12/21/2008	6.989	0015	6.839	6.612	0715	96
12/22/2008	6.844	0445	6.811	6.769	2200	96
12/23/2008	6.877	2045	6.824	6.784	1030	96
12/24/2008	6.879	2215	6.838	6.784	1515	96
12/25/2008	6.859	0045	6.814	6.779	1930	96
12/26/2008	6.855	1015	6.821	6.759	0745	96
12/27/2008	6.853	0630	6.831	6.789	1630	96
12/28/2008	6.869	1900	6.819	6.750	1615	96
12/29/2008	6.988	1815	6.824	6.771	1100	96
12/30/2008	7.030	1700	6.940	6.754	1200	96
12/31/2008	7.140	1800	7.021	6.930	1530	96
AVERAGE	6.988		6.921	6.834		
STD DEV.:	0.128		0.126	0.155		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR January 2009

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
01/01/2009	7.210	0400	7.125	7.040	2315	96
01/02/2009	7.070	0830	6.943	6.779	1445	96
01/03/2009	6.932	2400	6.856	6.806	0030	96
01/04/2009	6.960	0430	6.918	6.886	2345	96
01/05/2009	6.906	1145	6.804	6.635	2315	96
01/06/2009	6.662	0130	6.643	6.630	1015	96
01/07/2009	6.668	0645	6.655	6.640	0015	96
01/08/2009	6.720	2300	6.688	6.671	0015	96
01/09/2009	6.797	2400	6.749	6.713	0315	96
01/10/2009	6.828	0530	6.800	6.775	0815	96
01/11/2009	6.873	1015	6.815	6.740	2215	96
01/12/2009	6.794	1645	6.766	6.741	1015	96
01/13/2009	6.960	1145	6.803	6.731	2400	96
01/14/2009	6.857	1430	6.793	6.724	0030	96
01/15/2009	6.744	0215	6.728	6.704	1230	96
01/16/2009	6.767	0945	6.740	6.719	2245	96
01/17/2009	6.756	1100	6.726	6.687	2200	96
01/18/2009	6.757	1230	6.715	6.690	0015	96
01/19/2009	6.765	0600	6.729	6.695	1615	96
01/20/2009	6.782	1845	6.747	6.700	2015	96
01/21/2009	6.791	1430	6.767	6.742	0630	96
01/22/2009	6.802	1800	6.779	6.753	2400	96
01/23/2009	6.793	1600	6.762	6.733	1130	96
01/24/2009	6.833	2330	6.797	6.750	0415	96
01/25/2009	6.831	0030	6.800	6.761	2400	96
01/26/2009	6.773	0200	6.759	6.744	1130	96
01/27/2009	6.843	0845	6.787	6.743	0430	96
01/28/2009	6.839	2245	6.802	6.770	0815	96
01/29/2009	6.844	0915	6.821	6.791	2000	96
01/30/2009	6.872	1315	6.832	6.807	0015	96
01/31/2009	6.867	1730	6.829	6.788	0730	96
AVERAGE	6.835		6.790	6.745		
STD DEV.:	0.110		0.089	0.077		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR January 2009

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
01/01/2009	13.390	2230	12.559	11.920	0700	96
01/02/2009	13.850	1645	13.589	13.190	0030	96
01/03/2009	13.630	1230	13.217	12.350	2400	96
01/04/2009	13.100	1530	12.750	12.340	0015	96
01/05/2009	19.360	2400	14.888	13.070	0015	96
01/06/2009	20.420	2330	20.029	19.410	0015	96
01/07/2009	20.440	0230	20.195	19.980	1345	96
01/08/2009	21.220	1730	20.635	20.210	0030	96
01/09/2009	21.180	1130	20.944	20.650	1900	96
01/10/2009	21.030	1845	20.604	19.540	0830	96
01/11/2009	21.560	2030	20.918	20.260	0900	96
01/12/2009	21.880	1415	21.583	21.360	0330	96
01/13/2009	22.310	2015	21.783	21.380	0730	96
01/14/2009	22.300	0015	21.268	20.560	1030	96
01/15/2009	22.100	1445	21.586	21.100	2345	96
01/16/2009	21.730	1445	21.277	20.820	0830	96
01/17/2009	22.100	1400	21.626	21.260	0400	96
01/18/2009	21.810	1715	21.481	20.990	2400	96
01/19/2009	21.800	1430	20.916	20.090	2345	96
01/20/2009	21.070	1530	20.017	18.480	2200	96
01/21/2009	19.550	1430	19.335	18.900	0015	96
01/22/2009	19.820	1430	19.540	19.180	0330	96
01/23/2009	20.010	1445	19.822	19.630	0900	96
01/24/2009	20.010	0330	19.498	18.810	2200	96
01/25/2009	19.870	1530	19.392	18.830	0015	96
01/26/2009	19.980	1700	19.567	19.240	0645	96
01/27/2009	19.990	1515	19.360	17.830	0615	96
01/28/2009	19.730	0615	19.434	19.050	1815	96
01/29/2009	20.130	1430	19.553	18.490	2400	96
01/30/2009	20.090	1600	19.199	18.100	0500	96
01/31/2009	20.070	0315	19.654	19.320	2030	96
AVERAGE	19.856		19.233	18.592	--	
STD DEV.:	2.647		2.743	2.856		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR January 2009

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
01/01/2009	7.090	1215	7.037	6.981	1900	96
01/02/2009	7.070	1245	7.040	7.010	0045	96
01/03/2009	7.070	0400	7.044	7.020	1230	96
01/04/2009	7.080	1500	7.049	7.000	0545	96
01/05/2009	7.070	0015	6.982	6.878	1515	96
01/06/2009	6.948	1645	6.932	6.895	1415	96
01/07/2009	6.967	1430	6.954	6.932	0430	96
01/08/2009	7.010	2230	6.973	6.949	1015	96
01/09/2009	7.050	0515	6.953	6.793	1600	96
01/10/2009	6.877	0215	6.802	6.759	2245	96
01/11/2009	6.807	0500	6.769	6.732	2030	96
01/12/2009	6.770	2400	6.741	6.726	0900	96
01/13/2009	6.787	0415	6.768	6.746	1245	96
01/14/2009	6.795	2115	6.774	6.751	0315	96
01/15/2009	6.834	2400	6.788	6.767	1500	96
01/16/2009	6.857	0545	6.805	6.760	1100	96
01/17/2009	6.812	0430	6.782	6.758	1500	96
01/18/2009	6.782	0700	6.773	6.762	2145	96
01/19/2009	6.774	2130	6.757	6.741	1415	96
01/20/2009	6.771	0100	6.745	6.724	1515	96
01/21/2009	6.770	0545	6.754	6.732	1415	96
01/22/2009	6.774	0200	6.746	6.726	2030	96
01/23/2009	6.760	0515	6.748	6.738	0030	96
01/24/2009	6.775	2300	6.751	6.737	1015	96
01/25/2009	6.786	0630	6.775	6.762	1615	96
01/26/2009	6.786	0715	6.774	6.761	1315	96
01/27/2009	6.794	0815	6.782	6.771	2115	96
01/28/2009	6.820	2130	6.793	6.779	0015	96
01/29/2009	6.813	0115	6.785	6.759	2015	96
01/30/2009	6.797	0745	6.787	6.768	0015	96
01/31/2009	6.808	2330	6.795	6.782	1430	96
AVERAGE	6.868		6.837	6.806		
STD DEV.:	0.117		0.107	0.096		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR February 2009

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
02/01/2009	6.842	0115	6.801	6.768	1915	96
02/02/2009	6.819	1430	6.793	6.764	1930	96
02/03/2009	6.854	2330	6.802	6.758	0500	96
02/04/2009	6.871	2345	6.844	6.826	0730	96
02/05/2009	6.917	1615	6.874	6.840	0600	96
02/06/2009	6.868	0030	6.838	6.821	0630	96
02/07/2009	6.853	0445	6.834	6.805	2300	96
02/08/2009	6.890	2400	6.848	6.808	0030	96
02/09/2009	6.951	1530	6.916	6.881	0900	96
02/10/2009	6.957	2230	6.898	6.862	1930	96
02/11/2009	6.944	1330	6.909	6.887	1800	96
02/12/2009	7.080	2215	6.937	6.905	1045	96
02/13/2009	7.120	0600	7.008	6.819	2400	96
02/14/2009	6.818	0015	6.767	6.736	1245	96
02/15/2009	6.769	0015	6.726	6.680	2400	96
02/16/2009	6.681	0030	6.612	6.544	2015	96
02/17/2009	6.829	2115	6.753	6.634	1500	96
02/18/2009	6.737	0015	6.582	6.542	1315	96
02/19/2009	6.587	2400	6.553	6.533	1730	96
02/20/2009	6.719	1645	6.649	6.564	1100	96
02/21/2009	6.718	0015	6.683	6.671	1830	96
02/22/2009	6.696	2400	6.667	6.646	1730	96
02/23/2009	6.730	0345	6.716	6.698	1515	96
02/24/2009	6.760	1030	6.741	6.728	0015	96
02/25/2009	7.080	2400	6.777	6.697	1245	96
02/26/2009	7.080	0045	6.926	6.753	2400	96
02/27/2009	6.899	1730	6.782	6.650	0900	96
02/28/2009	6.815	1045	6.742	6.709	0345	96
AVERAGE	6.853		6.785	6.733		
STD DEV.:	0.132		0.112	0.108		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR February 2009

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
02/01/2009	20.300	1715	19.871	19.390	0015	96
02/02/2009	20.580	1545	20.005	19.540	0800	96
02/03/2009	20.270	0145	19.850	19.370	2400	96
02/04/2009	19.720	1400	19.316	18.910	2330	96
02/05/2009	19.320	2400	19.090	18.940	0145	96
02/06/2009	20.390	1515	19.881	19.320	0015	96
02/07/2009	20.740	1630	20.234	19.690	0730	96
02/08/2009	20.900	0800	20.608	19.920	2400	96
02/09/2009	20.850	1415	20.351	19.560	0300	96
02/10/2009	21.220	1245	20.757	19.930	2100	96
02/11/2009	20.880	1415	20.404	19.880	0830	96
02/12/2009	20.390	1515	18.803	7.600	2400	96
02/13/2009	10.760	2400	7.309	5.865	0930	96
02/14/2009	12.740	1445	11.869	10.780	0015	96
02/15/2009	14.020	1500	13.087	12.280	0700	96
02/16/2009	15.290	1545	13.876	11.110	2400	96
02/17/2009	11.450	1445	8.255	5.674	2030	96
02/18/2009	13.680	1330	12.881	8.780	0015	96
02/19/2009	13.610	1500	13.276	12.900	0015	96
02/20/2009	13.300	1315	13.075	12.870	0145	96
02/21/2009	13.620	1415	13.196	12.930	0215	96
02/22/2009	13.600	1200	13.231	12.770	2345	96
02/23/2009	13.330	1500	12.975	12.690	2345	96
02/24/2009	13.430	1430	12.911	12.600	0630	96
02/25/2009	13.810	1430	11.394	4.239	2400	96
02/26/2009	12.840	2400	7.855	4.091	0245	96
02/27/2009	13.960	0830	11.019	7.980	1645	96
02/28/2009	13.270	1545	12.711	10.940	1045	96
AVERAGE	16.367		15.289	13.591		
STD DEV.:	3.710		4.405	5.450		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR February 2009

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
02/01/2009	6.809	0030	6.788	6.773	1445	96
02/02/2009	6.806	0600	6.777	6.756	1430	96
02/03/2009	6.794	1915	6.777	6.761	0045	96
02/04/2009	6.782	0345	6.771	6.755	1100	96
02/05/2009	6.801	0715	6.789	6.775	0130	96
02/06/2009	6.801	0700	6.790	6.777	1500	96
02/07/2009	6.805	0800	6.783	6.753	1630	96
02/08/2009	6.778	2345	6.756	6.719	1500	96
02/09/2009	6.846	1200	6.808	6.779	0015	96
02/10/2009	6.855	0700	6.836	6.819	1530	96
02/11/2009	6.840	0600	6.828	6.814	1300	96
02/12/2009	6.855	0615	6.841	6.825	1315	96
02/13/2009	6.976	0730	6.889	6.830	0215	96
02/14/2009	6.922	0530	6.895	6.860	2100	96
02/15/2009	6.903	1000	6.870	6.836	1545	96
02/16/2009	6.860	0315	6.827	6.732	1700	96
02/17/2009	6.826	0245	6.807	6.781	1330	96
02/18/2009	6.842	0330	6.800	6.768	1430	96
02/19/2009	6.809	2400	6.786	6.766	1415	96
02/20/2009	6.820	2000	6.807	6.795	2345	96
02/21/2009	6.814	2100	6.800	6.784	1430	96
02/22/2009	6.817	0345	6.791	6.767	1430	96
02/23/2009	6.831	2345	6.810	6.790	0015	96
02/24/2009	6.861	2245	6.842	6.829	0145	96
02/25/2009	6.899	2315	6.863	6.846	0130	96
02/26/2009	7.010	1245	6.890	6.850	1145	96
02/27/2009	6.920	1000	6.845	6.669	0615	96
02/28/2009	6.859	2345	6.827	6.802	1415	96
AVERAGE	6.848		6.817	6.786		
STD DEV.:	0.057		0.038	0.043		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR March 2009

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
03/01/2009	6.745	1300	6.728	6.709	2315	96
03/02/2009	6.773	0800	6.754	6.715	0015	96
03/03/2009	6.753	0015	6.730	6.707	1615	96
03/04/2009	6.732	1300	6.711	6.641	1230	96
03/05/2009	6.724	0015	6.710	6.696	1400	96
03/06/2009	6.713	0115	6.689	6.674	1730	96
03/07/2009	6.696	0100	6.664	6.629	1700	96
03/08/2009	6.690	1315	6.666	6.649	2100	96
03/09/2009	6.757	0645	6.694	6.658	0030	96
03/10/2009	6.838	0715	6.781	6.684	0100	96
03/11/2009	6.800	2315	6.771	6.752	0930	96
03/12/2009	6.823	0645	6.787	6.757	1530	96
03/13/2009	6.787	0115	6.721	6.676	1615	96
03/14/2009	6.704	0500	6.662	6.609	2200	96
03/15/2009	6.748	1015	6.697	6.633	0015	96
03/16/2009	6.765	0630	6.693	6.654	1015	96
03/17/2009	6.700	1415	6.671	6.651	1830	96
03/18/2009	6.698	2045	6.676	6.659	0315	96
03/19/2009	6.748	2245	6.710	6.683	0045	96
03/20/2009	6.776	1045	6.731	6.709	0600	96
03/21/2009	6.731	0215	6.708	6.671	2345	96
03/22/2009	6.704	2015	6.677	6.652	0830	96
03/23/2009	6.796	2030	6.720	6.670	1400	96
03/24/2009	6.745	1030	6.710	6.657	2300	96
03/25/2009	6.681	0045	6.657	6.630	1830	96
03/26/2009	6.669	0900	6.642	6.621	2345	96
03/27/2009	6.626	1445	6.612	6.597	2300	96
03/28/2009	6.696	2030	6.664	6.594	0030	96
03/29/2009	6.689	0015	6.670	6.648	1715	96
03/30/2009	6.675	0415	6.633	6.584	2400	96
03/31/2009	6.587	0400	6.546	6.503	2400	96
AVERAGE	6.728		6.693	6.657		
STD DEV.:	0.055		0.050	0.051		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR March 2009

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
03/01/2009	13.040	1630	12.899	12.760	0815	96
03/02/2009	12.970	0015	12.552	12.210	0745	96
03/03/2009	13.180	1415	12.635	12.350	0645	96
03/04/2009	13.360	1445	12.865	12.490	0015	96
03/05/2009	13.700	1430	13.093	12.630	0700	96
03/06/2009	13.560	1515	13.288	13.070	0115	96
03/07/2009	14.000	1330	13.443	13.070	0545	96
03/08/2009	13.860	1445	13.466	13.220	0300	96
03/09/2009	13.330	0030	12.596	10.410	0645	96
03/10/2009	13.930	1400	13.358	12.960	0700	96
03/11/2009	13.620	1715	13.379	13.080	2400	96
03/12/2009	13.870	1500	13.230	12.760	0630	96
03/13/2009	14.630	1415	13.802	13.130	0015	96
03/14/2009	15.340	2000	14.561	13.690	0645	96
03/15/2009	15.160	0015	14.344	12.610	0715	96
03/16/2009	14.930	1545	14.180	12.270	0600	96
03/17/2009	15.390	1600	14.918	14.420	0730	96
03/18/2009	15.750	1830	15.266	14.900	0800	96
03/19/2009	15.210	0030	14.934	14.470	2330	96
03/20/2009	15.100	1530	14.621	14.190	0800	96
03/21/2009	15.560	1500	14.923	14.380	0745	96
03/22/2009	15.520	1400	15.128	14.840	2400	96
03/23/2009	14.990	1530	14.362	12.880	2030	96
03/24/2009	15.050	2200	14.340	13.590	0745	96
03/25/2009	16.310	1600	15.530	14.770	0800	96
03/26/2009	17.050	2400	16.404	15.880	0730	96
03/27/2009	18.210	2345	17.573	16.940	0745	96
03/28/2009	18.220	0100	17.056	16.280	1100	96
03/29/2009	17.250	1545	16.744	16.430	0615	96
03/30/2009	17.480	1615	16.963	16.160	0530	96
03/31/2009	18.580	1630	17.939	17.320	0415	96
AVERAGE	15.102		14.529	13.876		
STD DEV.:	1.624		1.546	1.620		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR March 2009

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
03/01/2009	6.878	0330	6.857	6.826	1930	96
03/02/2009	6.839	0645	6.825	6.800	2315	96
03/03/2009	6.826	0830	6.815	6.801	2230	96
03/04/2009	6.834	1915	6.820	6.797	0215	96
03/05/2009	6.838	0645	6.820	6.802	2400	96
03/06/2009	6.883	1230	6.799	6.785	1500	96
03/07/2009	6.788	0015	6.764	6.734	1530	96
03/08/2009	6.782	0030	6.754	6.720	1700	96
03/09/2009	6.785	2345	6.762	6.738	0045	96
03/10/2009	6.790	0230	6.772	6.757	1515	96
03/11/2009	6.766	1900	6.753	6.731	2130	96
03/12/2009	6.764	2100	6.752	6.735	0545	96
03/13/2009	6.773	0945	6.754	6.665	1130	96
03/14/2009	6.758	0200	6.733	6.678	1745	96
03/15/2009	6.748	0530	6.724	6.693	2230	96
03/16/2009	6.730	0115	6.673	6.604	0145	96
03/17/2009	6.701	0930	6.674	6.651	2345	96
03/18/2009	6.686	0715	6.662	6.637	2015	96
03/19/2009	6.686	2400	6.652	6.636	0215	96
03/20/2009	6.720	0945	6.699	6.676	0015	96
03/21/2009	6.728	0930	6.694	6.662	2245	96
03/22/2009	6.675	0445	6.658	6.641	1800	96
03/23/2009	6.690	1630	6.675	6.659	1700	96
03/24/2009	6.698	0600	6.660	6.622	2230	96
03/25/2009	6.655	0830	6.620	6.587	1815	96
03/26/2009	6.636	1115	6.609	6.588	2245	96
03/27/2009	6.596	1030	6.583	6.568	1930	96
03/28/2009	6.637	1445	6.614	6.565	0115	96
03/29/2009	6.634	1530	6.624	6.616	2100	96
03/30/2009	6.621	0100	6.593	6.555	2400	96
03/31/2009	6.668	1030	6.549	6.519	2130	96
AVERAGE	6.736		6.708	6.679		
STD DEV.:	0.078		0.082	0.085		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2009

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/13/2009	9.24	1200	8.84	8.37	1500	57
04/14/2009	9.28	1145	9.07	8.65	2330	96
04/15/2009	9.10	1645	8.76	8.46	2130	96
04/16/2009	9.48	1500	8.62	8.07	2330	67
04/17/2009	9.09	1030	8.59	7.99	0730	96
04/18/2009	8.76	1315	8.47	8.06	2400	96
04/19/2009	8.79	1545	8.37	7.59	0015	96
04/20/2009	8.84	1145	8.47	7.95	0200	96
04/21/2009	8.65	0015	8.12	6.90	2330	96
04/22/2009	8.57	1300	7.98	6.78	1830	96
04/23/2009	9.15	0700	8.54	7.51	2400	96
04/24/2009	9.20	1715	8.29	7.49	0015	96
04/25/2009	8.93	1115	8.28	7.34	2400	96
04/26/2009	8.32	1415	7.63	6.62	0500	96
04/27/2009	8.77	1215	8.09	7.20	0400	96
04/28/2009	8.09	1030	7.76	7.22	1330	96
04/29/2009	8.27	1315	7.65	7.06	0315	96
04/30/2009	8.39	1145	7.96	7.50	0230	96
AVERAGE	8.829		8.305	7.598		
STD DEV.:	0.392		0.409	0.592		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR April 2009

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/2009	6.558	2330	6.521	6.488	0515	96
04/02/2009	6.619	2315	6.521	6.485	2015	96
04/03/2009	6.699	0715	6.635	6.529	2400	96
04/04/2009	6.663	2400	6.563	6.509	0230	96
04/05/2009	6.699	0330	6.675	6.621	2400	96
04/06/2009	6.715	1915	6.615	6.512	0600	96
04/07/2009	6.689	0115	6.521	6.460	1345	96
04/08/2009	6.596	1315	6.544	6.484	0330	96
04/09/2009	6.610	1330	6.583	6.563	0315	96
04/10/2009	6.594	1445	6.581	6.567	1945	96
04/11/2009	6.646	1100	6.613	6.564	0015	96
04/12/2009	6.732	1000	6.701	6.639	0145	96
04/13/2009	6.764	0745	6.706	6.646	2315	96
04/14/2009	6.692	1515	6.649	6.623	2215	96
04/15/2009	6.672	1330	6.636	6.613	2345	96
04/16/2009	6.667	1500	6.618	6.587	2345	67
04/17/2009	6.627	0545	6.581	6.536	2230	96
04/18/2009	6.673	2400	6.633	6.540	0015	96
04/19/2009	6.705	1145	6.675	6.641	0145	96
04/20/2009	6.786	2145	6.699	6.653	0100	96
04/21/2009	6.751	0415	6.719	6.674	2400	96
04/22/2009	6.887	2400	6.689	6.641	0730	96
04/23/2009	6.975	1100	6.867	6.781	2400	96
04/24/2009	6.827	1000	6.772	6.728	0745	96
04/25/2009	6.733	0100	6.658	6.583	2345	96
04/26/2009	6.631	1215	6.584	6.549	0530	96
04/27/2009	6.656	1245	6.601	6.557	1045	96
04/28/2009	6.642	1215	6.570	6.527	0500	96
04/29/2009	6.674	1630	6.621	6.569	0900	96
04/30/2009	6.712	1215	6.653	6.601	0245	96
AVERAGE	6.696		6.633	6.582		
STD DEV.:	0.088		0.077	0.074		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2009

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/2009	18.460	0145	17.009	16.010	1615	96
04/02/2009	17.880	1630	17.069	15.700	2400	96
04/03/2009	16.080	2400	13.946	12.020	1215	96
04/04/2009	16.600	1045	15.982	13.420	2400	96
04/05/2009	13.370	0015	11.331	10.450	0915	96
04/06/2009	12.990	0630	11.371	9.300	2200	96
04/07/2009	17.680	1615	15.866	10.010	0015	96
04/08/2009	17.600	0015	17.486	17.380	1115	96
04/09/2009	17.460	0015	16.993	16.280	0745	96
04/10/2009	18.260	2400	17.601	17.010	0615	96
04/11/2009	18.380	2030	17.853	16.830	0945	96
04/12/2009	17.900	0030	17.400	16.840	2045	96
04/13/2009	18.800	1530	17.850	16.470	0745	96
04/14/2009	20.020	1515	19.216	18.620	0630	96
04/15/2009	20.870	1600	19.963	19.200	0645	96
04/16/2009	21.400	1600	20.562	19.660	0630	67
04/17/2009	22.370	2215	21.469	20.370	0645	96
04/18/2009	22.300	0015	21.064	20.640	0930	96
04/19/2009	21.810	1545	20.894	19.830	0500	96
04/20/2009	22.470	1545	21.102	19.240	2200	96
04/21/2009	21.470	1600	20.720	19.440	0015	96
04/22/2009	22.000	1745	21.154	16.480	2400	96
04/23/2009	20.510	2400	16.743	10.560	0600	90
04/24/2009	22.450	1530	21.358	20.530	0015	96
04/25/2009	23.120	1700	22.030	20.870	0730	96
04/26/2009	23.980	1515	22.687	21.910	2200	96
04/27/2009	24.400	2330	22.966	21.840	0245	96
04/28/2009	26.880	1615	25.534	24.190	0030	96
04/29/2009	25.060	1445	24.290	23.080	0530	96
04/30/2009	24.830	1515	24.198	23.700	0715	96
AVERAGE	20.247		19.123	17.596		
STD DEV.:	3.377		3.516	4.111		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2009

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/13/2009	11.41	1500	11.24	9.70	1100	43
04/14/2009	11.62	0945	11.45	11.33	0200	96
04/15/2009	11.41	0130	11.30	11.20	2045	96
04/16/2009	11.41	1215	11.19	11.00	2345	96
04/17/2009	11.09	1030	10.92	10.72	2230	96
04/18/2009	10.77	0800	10.66	10.55	1700	96
04/19/2009	10.72	0445	10.61	10.40	0115	96
04/20/2009	10.69	1300	10.62	10.54	0145	96
04/21/2009	10.66	0130	10.53	10.42	1930	96
04/22/2009	10.50	0215	10.32	10.11	2345	96
04/23/2009	10.25	2345	10.14	9.83	0100	96
04/24/2009	10.60	1215	10.44	10.22	0045	96
04/25/2009	10.45	0100	10.31	10.13	2315	96
04/26/2009	10.15	0115	10.07	9.93	2400	96
04/27/2009	10.00	0045	9.89	9.60	1345	96
04/28/2009	9.83	0100	9.61	9.41	2315	96
04/29/2009	9.75	1830	9.58	9.39	0015	96
04/30/2009	9.89	1445	9.78	9.67	2100	96
AVERAGE	10.622		10.483	10.231		
STD DEV.:	0.586		0.580	0.589		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2009

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/2009	6.537	0445	6.510	6.490	1715	96
04/02/2009	6.499	0200	6.483	6.461	1800	96
04/03/2009	6.680	0830	6.585	6.427	0845	96
04/04/2009	6.664	1045	6.604	6.418	1330	96
04/05/2009	6.602	0015	6.544	6.477	2315	96
04/06/2009	6.519	1145	6.462	6.424	1545	96
04/07/2009	6.510	2315	6.467	6.427	0600	96
04/08/2009	6.790	1245	6.588	6.503	0145	96
04/09/2009	6.626	0615	6.604	6.583	1830	96
04/10/2009	6.615	0645	6.601	6.587	2200	96
04/11/2009	6.650	2315	6.621	6.587	0015	96
04/12/2009	6.721	2145	6.683	6.642	0230	96
04/13/2009	6.828	1045	6.721	6.694	2330	96
04/14/2009	6.704	0015	6.670	6.636	2030	96
04/15/2009	6.652	0730	6.634	6.610	1745	96
04/16/2009	6.658	1230	6.619	6.594	1915	96
04/17/2009	6.616	0345	6.596	6.573	2330	96
04/18/2009	6.614	1915	6.595	6.576	0100	96
04/19/2009	6.682	0115	6.610	6.585	1700	96
04/20/2009	6.685	1830	6.646	6.604	0015	96
04/21/2009	6.675	0515	6.661	6.649	1700	96
04/22/2009	6.701	2400	6.653	6.634	0545	96
04/23/2009	6.733	1830	6.722	6.703	0015	96
04/24/2009	6.737	1230	6.699	6.614	2400	96
04/25/2009	6.619	0015	6.559	6.500	2315	96
04/26/2009	6.503	0015	6.477	6.456	2115	96
04/27/2009	6.609	1515	6.524	6.454	0130	96
04/28/2009	6.589	0215	6.559	6.527	2215	96
04/29/2009	6.775	1230	6.619	6.537	1030	96
04/30/2009	6.718	0930	6.702	6.687	2345	96
AVERAGE	6.650		6.601	6.555		
STD DEV.:	0.085		0.074	0.087		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2009

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/2009	5.159	2115	4.871	4.479	0800	69
04/02/2009	6.283	2330	5.516	4.989	0630	96
04/03/2009	6.550	2300	6.301	6.145	0730	96
04/04/2009	6.841	1945	6.511	6.187	0830	96
04/05/2009	6.613	0015	6.298	6.018	1030	96
04/06/2009	6.177	0015	5.861	5.746	0900	96
04/07/2009	5.914	1730	5.783	5.673	0830	96
04/08/2009	6.493	1800	5.968	5.245	1015	96
04/09/2009	7.020	1945	6.484	6.025	0730	96
04/10/2009	7.930	2215	7.242	6.698	0700	96
04/11/2009	8.360	2215	8.004	7.760	0915	96
04/12/2009	8.350	0015	8.171	7.930	0900	96
04/13/2009	8.310	2230	7.923	7.490	0915	96
04/14/2009	8.290	0015	7.740	6.738	0930	96
04/15/2009	8.380	1815	7.897	7.430	0700	96
04/16/2009	8.370	1815	7.855	7.270	0700	96
04/17/2009	8.140	0015	6.994	5.974	2400	96
04/18/2009	6.287	1915	5.863	5.493	0845	96
04/19/2009	7.029	2345	5.969	5.095	0600	96
04/20/2009	9.250	1715	7.788	6.594	0730	89
04/21/2009	9.120	1415	8.895	8.610	2400	96
04/22/2009	10.140	1500	9.299	8.460	0630	96
04/23/2009	10.180	1815	9.847	9.570	0600	96
04/24/2009	10.400	2130	9.768	9.130	0800	96
04/25/2009	11.690	2315	10.706	10.030	0700	96
04/26/2009	12.460	2400	11.813	11.400	0730	96
04/27/2009	14.100	2400	13.039	12.400	0800	96
04/28/2009	15.200	2045	14.433	13.730	0645	96
04/29/2009	15.000	0015	14.283	13.770	1045	96
04/30/2009	14.280	2145	13.883	13.300	0915	96

AVERAGE	8.944	8.367	7.846
STD DEV.:	2.841	2.742	2.705

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2009

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/2009	7.980	2315	7.411	6.461	1100	61
04/02/2009	8.950	2115	8.147	7.540	0730	96
04/03/2009	8.160	0030	7.173	6.680	1200	96
04/04/2009	7.790	1700	7.278	6.866	0830	96
04/05/2009	7.200	0030	6.748	6.412	0945	96
04/06/2009	7.320	1515	6.800	6.085	1945	96
04/07/2009	7.920	1545	7.375	6.503	0100	96
04/08/2009	7.590	0015	7.153	6.830	1045	96
04/09/2009	8.080	2200	7.378	6.811	0115	96
04/10/2009	9.410	2045	8.524	7.900	0415	96
04/11/2009	9.880	1745	9.483	9.020	0015	96
04/12/2009	9.400	1145	9.100	8.750	0815	96
04/13/2009	9.860	2200	9.067	8.260	0730	96
04/14/2009	10.080	0130	9.102	8.440	1930	96
04/15/2009	9.980	1330	9.078	8.280	0645	96
04/16/2009	9.910	1530	9.314	8.640	0600	67
04/17/2009	10.700	2130	10.007	9.190	0530	96
04/18/2009	10.970	1415	10.520	10.210	0600	96
04/19/2009	11.720	1530	10.862	9.840	0100	96
04/20/2009	11.590	1345	10.867	10.180	2330	96
04/21/2009	10.540	1445	10.258	9.940	0800	96
04/22/2009	10.870	1715	10.283	9.720	2400	96
04/23/2009	10.470	2045	9.630	8.580	0630	96
04/24/2009	12.460	2315	11.115	9.720	1030	96
04/25/2009	13.510	2330	12.658	11.930	0600	96
04/26/2009	14.560	1715	13.839	13.330	0530	96
04/27/2009	15.970	2345	14.997	14.280	0215	96
04/28/2009	16.970	1715	16.426	15.840	0545	96
04/29/2009	16.460	0015	15.449	14.800	0945	96
04/30/2009	15.060	1715	14.700	14.050	0745	96
AVERAGE	10.712		10.025	9.370		
STD DEV.:	2.796		2.739	2.723		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2009

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/2009	8.20	0800	7.75	7.18	2345	96
05/02/2009	7.81	1330	7.36	6.84	0500	96
05/03/2009	7.98	1215	7.65	7.23	1000	96
05/04/2009	8.53	1330	7.96	7.42	2345	96
05/05/2009	8.13	1730	7.62	7.18	0030	96
05/06/2009	8.29	1715	7.58	6.99	2200	96
05/07/2009	7.51	1600	6.93	6.44	2015	96
05/08/2009	8.00	1230	7.37	6.82	0130	96
05/09/2009	7.87	0600	7.37	6.89	1915	96
05/10/2009	7.63	1130	7.18	6.61	2045	96
05/11/2009	7.97	1730	7.26	6.70	0015	96
05/12/2009	8.61	1415	7.96	7.10	2400	96
05/13/2009	7.37	1300	6.85	6.51	2400	96
05/14/2009	7.60	1200	6.98	6.41	0100	96
05/15/2009	7.39	1345	6.75	6.52	0215	96
05/16/2009	7.38	1415	6.90	6.62	0315	96
05/17/2009	7.21	1415	6.89	6.68	0930	96
05/18/2009	8.56	1415	7.76	6.76	0645	96
05/19/2009	8.70	1445	8.30	7.92	0145	96
05/20/2009	8.33	0345	7.99	7.67	2145	96
05/21/2009	8.35	0930	7.72	7.21	2245	96
05/22/2009	7.60	1000	7.15	6.76	1700	96
05/23/2009	7.39	0400	6.95	6.78	2215	96
05/24/2009	7.41	0345	6.93	6.66	2345	96
05/25/2009	7.06	1330	6.76	6.60	1215	96
05/26/2009	7.35	1215	7.08	6.77	0100	96
05/27/2009	7.77	1230	7.41	7.06	0615	96
05/28/2009	7.43	0200	7.08	6.62	0815	96
05/29/2009	7.71	2330	7.33	6.73	0545	96
05/30/2009	8.08	1415	7.79	7.54	0045	96
05/31/2009	8.49	1815	8.12	7.33	0115	96
AVERAGE	7.862		7.378	6.920		
STD DEV.:	0.466		0.437	0.377		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR May 2009

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/2009	6.743	1745	6.688	6.607	0800	96
05/02/2009	6.771	1130	6.729	6.686	0030	96
05/03/2009	6.786	1800	6.745	6.694	0100	96
05/04/2009	6.876	1630	6.789	6.714	0130	96
05/05/2009	6.892	0500	6.842	6.787	0100	96
05/06/2009	6.909	1845	6.847	6.810	0215	96
05/07/2009	6.919	0515	6.867	6.799	1245	96
05/08/2009	6.909	0545	6.880	6.846	2015	96
05/09/2009	6.909	0600	6.869	6.827	2400	96
05/10/2009	6.914	1315	6.880	6.824	0015	96
05/11/2009	7.070	2300	6.921	6.828	1715	96
05/12/2009	7.120	0200	7.034	6.911	2315	96
05/13/2009	6.940	1500	6.909	6.871	2315	96
05/14/2009	6.931	1615	6.882	6.846	1030	96
05/15/2009	6.918	0030	6.870	6.803	1200	96
05/16/2009	7.050	1000	7.003	6.925	0015	96
05/17/2009	7.110	1615	7.048	6.952	0700	96
05/18/2009	7.070	0245	6.967	6.895	2000	96
05/19/2009	6.971	2330	6.932	6.893	0200	96
05/20/2009	6.947	0015	6.891	6.856	2100	96
05/21/2009	6.920	1130	6.865	6.823	2200	96
05/22/2009	7.190	1515	6.952	6.806	0230	96
05/23/2009	7.160	2330	7.079	7.010	1745	96
05/24/2009	7.180	0130	6.957	6.842	1315	96
05/25/2009	7.180	2315	6.966	6.835	0300	96
05/26/2009	7.210	1715	7.058	6.891	0630	96
05/27/2009	7.270	0645	7.033	6.919	1215	96
05/28/2009	7.020	0500	6.973	6.929	1000	96
05/29/2009	7.040	0545	6.996	6.971	2000	96
05/30/2009	7.020	1500	6.982	6.946	2400	96
05/31/2009	6.990	0115	6.923	6.862	1630	96
AVERAGE	6.998		6.915	6.845		
STD DEV.:	0.134		0.096	0.087		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2009

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/2009	25.440	1630	24.651	24.200	0630	96
05/02/2009	25.420	2000	24.659	23.710	1015	96
05/03/2009	24.950	0015	23.890	23.200	2045	96
05/04/2009	24.430	1545	23.686	22.960	0530	96
05/05/2009	23.890	0015	22.995	22.060	0430	96
05/06/2009	24.530	1645	23.368	22.450	0630	96
05/07/2009	24.540	1530	23.547	23.140	0830	96
05/08/2009	25.430	1915	24.103	22.780	0615	96
05/09/2009	25.280	1600	24.883	24.480	0715	96
05/10/2009	25.590	0330	25.151	24.560	0815	96
05/11/2009	25.980	1400	23.774	17.690	2400	96
05/12/2009	22.910	1815	20.018	16.990	0545	96
05/13/2009	25.810	1400	23.905	22.190	0500	96
05/14/2009	24.150	0015	23.422	22.900	1500	96
05/15/2009	26.720	1700	24.699	22.660	2400	96
05/16/2009	22.530	0015	21.758	20.600	0730	96
05/17/2009	22.060	0015	21.139	20.830	0715	96
05/18/2009	25.880	1745	23.547	20.710	0130	96
05/19/2009	26.260	1345	25.361	24.250	0645	96
05/20/2009	27.230	1645	26.294	25.300	0445	96
05/21/2009	28.570	1615	27.394	26.080	0615	96
05/22/2009	30.070	1330	28.268	27.070	0600	96
05/23/2009	28.710	1630	27.850	26.760	2345	96
05/24/2009	29.410	1515	28.002	26.090	0330	96
05/25/2009	29.460	1315	28.164	26.730	2400	96
05/26/2009	29.420	1115	27.747	26.530	0045	96
05/27/2009	27.140	1145	26.680	26.180	0500	96
05/28/2009	26.860	0930	26.565	25.640	2400	96
05/29/2009	25.740	1800	25.448	25.230	1100	96
05/30/2009	27.020	1500	25.999	25.280	0145	96
05/31/2009	25.550	0015	24.714	23.730	2330	96
AVERAGE	26.032		24.893	23.645		
STD DEV.:	2.048		2.078	2.494		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2009

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/2009	9.75	1045	9.58	9.22	1345	96
05/02/2009	9.46	1245	9.40	9.34	1830	96
05/03/2009	9.75	2230	9.59	9.43	0030	96
05/04/2009	9.93	1445	9.77	9.21	1345	96
05/05/2009	9.74	0100	9.61	9.52	1545	96
05/06/2009	9.59	1445	9.51	9.38	2315	96
05/07/2009	9.50	1600	9.40	9.25	2315	96
05/08/2009	9.30	0830	9.13	8.95	1915	96
05/09/2009	9.03	1830	8.97	8.80	2400	96
05/10/2009	8.83	0030	8.74	8.67	1845	96
05/11/2009	9.07	1930	8.86	8.66	0315	96
05/12/2009	9.78	1300	9.15	8.66	1115	96
05/13/2009	9.72	1030	9.17	8.61	2115	96
05/14/2009	9.40	0700	8.48	7.64	1515	96
05/15/2009	9.57	1845	9.01	7.77	0015	96
05/16/2009	9.44	1315	9.37	9.27	2345	96
05/17/2009	9.34	0200	9.15	8.95	2300	96
05/18/2009	9.58	1215	9.12	8.95	0045	96
05/19/2009	9.29	1300	9.17	9.03	0030	96
05/20/2009	9.14	0030	9.06	8.97	2400	96
05/21/2009	9.07	1115	8.98	8.83	2345	96
05/22/2009	8.95	1230	8.80	8.59	2400	96
05/23/2009	8.67	1415	8.58	8.45	2400	96
05/24/2009	9.04	1500	8.81	8.18	0200	96
05/25/2009	9.01	1215	8.81	8.59	0330	96
05/26/2009	8.87	1045	8.65	8.41	2345	96
05/27/2009	8.82	1515	8.49	8.19	2400	96
05/28/2009	8.30	1315	8.13	7.95	2145	96
05/29/2009	9.09	0930	8.33	8.05	0045	96
05/30/2009	8.89	2300	8.68	8.52	0015	96
05/31/2009	8.99	0215	8.90	8.82	0030	96
AVERAGE	9.255		9.013	8.737		
STD DEV.:	0.387		0.402	0.494		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2009

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/2009	6.701	0315	6.675	6.653	2115	96
05/02/2009	6.676	2345	6.663	6.655	0045	96
05/03/2009	6.749	2000	6.720	6.673	0015	96
05/04/2009	6.789	2115	6.754	6.645	1345	96
05/05/2009	6.798	1515	6.775	6.763	1745	96
05/06/2009	6.791	1530	6.781	6.759	2330	96
05/07/2009	6.787	0915	6.769	6.748	0045	96
05/08/2009	6.824	1700	6.804	6.777	0030	96
05/09/2009	6.818	0445	6.807	6.790	2330	96
05/10/2009	6.801	1730	6.791	6.778	0530	96
05/11/2009	6.847	1500	6.782	6.753	2145	96
05/12/2009	6.933	1130	6.802	6.729	1045	96
05/13/2009	6.846	0215	6.771	6.714	1930	96
05/14/2009	6.876	1130	6.771	6.731	0830	96
05/15/2009	6.808	0115	6.743	6.601	1600	96
05/16/2009	6.754	2030	6.731	6.711	0030	96
05/17/2009	6.751	1730	6.741	6.730	0630	96
05/18/2009	6.846	1230	6.796	6.746	0430	96
05/19/2009	6.861	0300	6.829	6.795	2400	96
05/20/2009	6.806	0630	6.786	6.761	2345	96
05/21/2009	6.790	0845	6.756	6.706	2315	96
05/22/2009	6.777	0900	6.708	6.674	2400	96
05/23/2009	6.759	1930	6.722	6.675	0200	96
05/24/2009	6.833	0130	6.765	6.716	0230	96
05/25/2009	6.871	1815	6.799	6.735	0345	96
05/26/2009	6.912	1845	6.873	6.830	0345	96
05/27/2009	6.911	2145	6.853	6.806	1145	96
05/28/2009	6.925	2100	6.887	6.860	0530	96
05/29/2009	6.962	1830	6.937	6.636	0930	96
05/30/2009	6.955	1300	6.946	6.930	2345	96
05/31/2009	6.934	0015	6.883	6.851	1400	96
AVERAGE	6.829		6.788	6.740		
STD DEV.:	0.073		0.067	0.072		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2009

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/2009	14.210	0015	14.023	13.840	0900	96
05/02/2009	14.730	1615	14.188	13.770	0700	96
05/03/2009	14.000	0015	13.192	12.830	1730	96
05/04/2009	13.340	2400	13.076	12.890	0700	96
05/05/2009	13.370	0115	13.176	12.840	2400	96
05/06/2009	13.620	2100	13.026	12.510	0830	96
05/07/2009	13.560	0015	13.306	13.140	2115	96
05/08/2009	14.440	2015	13.679	12.960	0700	96
05/09/2009	14.970	2400	14.513	14.190	0730	96
05/10/2009	15.660	1730	15.159	14.790	0700	96
05/11/2009	15.150	0015	14.758	14.310	0830	96
05/12/2009	15.310	1745	14.959	14.510	0745	96
05/13/2009	15.620	1500	15.208	14.850	0730	96
05/14/2009	15.030	0015	14.664	14.360	2400	96
05/15/2009	15.990	2400	14.978	14.170	0545	96
05/16/2009	16.370	1445	16.088	15.760	0845	96
05/17/2009	16.240	0345	16.072	15.750	2400	96
05/18/2009	15.730	0015	15.175	14.930	0930	96
05/19/2009	15.760	1745	15.135	14.450	0800	96
05/20/2009	16.630	1745	16.063	15.570	0715	96
05/21/2009	17.570	1745	16.749	15.970	0630	96
05/22/2009	19.040	1630	18.135	17.240	0015	96
05/23/2009	18.630	1730	18.341	17.990	2400	96
05/24/2009	18.480	1745	17.993	17.610	0715	96
05/25/2009	19.140	1700	18.280	17.550	0645	96
05/26/2009	19.240	1645	18.430	17.690	0615	96
05/27/2009	18.170	0015	17.573	16.900	2400	96
05/28/2009	16.890	0015	16.189	15.520	2400	96
05/29/2009	15.520	0045	15.344	15.160	1030	96
05/30/2009	15.520	0245	15.360	14.990	2400	96
05/31/2009	14.970	0015	14.440	14.170	1000	96
AVERAGE	15.900		15.396	14.942		
STD DEV.:	1.760		1.670	1.579		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2009

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/2009	15.030	2300	14.895	14.680	0700	96
05/02/2009	15.700	1615	15.105	14.670	0615	96
05/03/2009	14.880	0015	14.122	13.680	2015	96
05/04/2009	14.340	1415	14.052	13.740	0415	96
05/05/2009	14.320	0315	14.097	13.750	2215	96
05/06/2009	14.480	1745	13.960	13.460	0730	96
05/07/2009	14.420	0145	14.216	13.940	2045	96
05/08/2009	15.330	2015	14.595	13.800	0545	96
05/09/2009	15.740	2400	15.444	15.120	0700	96
05/10/2009	16.500	1645	15.980	15.570	0615	96
05/11/2009	16.080	1415	15.569	15.050	2400	96
05/12/2009	15.410	1500	15.030	14.460	0600	96
05/13/2009	16.270	1500	15.545	15.020	0545	96
05/14/2009	15.250	0845	15.033	14.770	2345	96
05/15/2009	16.500	1745	15.487	14.570	0615	96
05/16/2009	17.100	1445	16.580	16.260	0800	96
05/17/2009	16.560	0330	16.426	16.100	2400	96
05/18/2009	16.170	1700	15.944	15.600	0800	96
05/19/2009	16.800	1615	16.128	15.500	0700	96
05/20/2009	17.460	1800	16.850	16.300	0330	96
05/21/2009	19.860	2100	17.806	16.590	0700	96
05/22/2009	21.150	1400	19.435	17.730	0130	96
05/23/2009	20.640	1645	19.683	18.590	0315	96
05/24/2009	20.450	1815	19.397	18.090	0215	96
05/25/2009	21.210	1545	19.923	18.590	0400	96
05/26/2009	23.230	1300	20.436	18.510	0515	96
05/27/2009	20.030	0015	19.078	18.110	2100	96
05/28/2009	18.150	1600	17.056	16.040	2400	96
05/29/2009	16.450	1530	16.083	15.860	0945	96
05/30/2009	16.590	1515	16.300	15.860	2400	96
05/31/2009	15.860	0015	15.373	14.950	2345	96
AVERAGE	17.031		16.311	15.644		
STD DEV.:	2.378		1.912	1.560		