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December 22, 2010

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DEC 29 2010

The Northeast Utilities System

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

John M. MacDonald
Vice President - Generation

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

Dear Mr. Stewart:

Merrimack Station
Environmental Monitoring Program Annual Report

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

Public Service Company of New Hampshire (PSNH), in accordance with section 6(a) and 7 of the referenced permit, submits the environmental monitoring program annual report for its, Merrimack Station. The report covers the period **June 1, 2009 through May 31, 2010.** It presents the data collected and explains outages that occurred and summaries of remedial actions taken to keep the systems in service.

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

Very Truly Yours,

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE

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John M. MacDonald, Vice President, Generation

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Mr. Harry Stewart, P.E.

December 22, 2010

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DEC 29 2010

ANNUAL REPORT

2009-2010

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE

MERRIMACK GENERATING STATION

ENVIRONMENTAL MONITORING PROGRAM

(NPDES PERMIT NO. NH0001465)

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

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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 2009 through May 2010.

During the year, there were no 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 33 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.
10. Supplemental Follow-up Report on the Biocharacteristics of Yellow Perch and White Sucker Populations in Hooksett Pool of the Merrimack River PSNH Merrimack Station. Normandeau Associates April 2010
11. Response to the United States Environmental Protection Agency Information Request for NPDES Permit Re-Issuance PSNH Merrimack Station Units 1&2 Bow, New Hampshire. Enercon Services, Inc. July 2010

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 33 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:

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. During Unit #2 annual outages or extended unit outages the probes are relocated to the front railing of the intake structure to monitor ambient pH and D. O. river conditions and intercept river flow. 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 dissolved oxygen 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.

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>Temp.</u>	<u>N-5</u> <u>D.O.</u>	<u>pH</u>	<u>S-0</u> <u>Temp.</u>	<u>D.O.</u>	<u>pH</u>	<u>S-4</u> <u>Temp.</u>
First Quarter	June	19.1	8.3	6.8	28.3	7.3	6.9	20.1
	July	21.5	8.4	6.8	29.9	7.0	6.9	22.2
	August	24.1	7.8	6.8	31.3	6.6	6.7	24.7
Second Quarter	Sept	19.5	8.1	7.0	27.3	6.8	7.0	19.9
	Oct	11.6	9.4	6.9	19.9	8.0	6.9	11.8
	Nov	8.3	10.8	6.9	14.9	9.1	6.9	9.7
Third Quarter	Dec	4.3	12.6	6.9	12.8	9.4	6.8	7.2
	Jan	NA	NA	6.9	12.8	NA	6.8	NA
	Feb	NA	NA	6.8	13.4	NA	6.8	NA
Fourth Quarter	March	4.9	NA	6.6	16.4	NA	6.6	8.4
	April	10.4	10.7	6.7	20.4	7.5	6.6	12.1
	May	17.0	9.4	6.8	26.3	6.9	6.8	18.5

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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>
6/26-6/27	S0	pH	A lightning strike caused the LCD screen on the pH analyzer to be blank and fail. Replaced with backup unit and calibrated.
7/30	N5	pH, DO	AC Power outage in the Unit #2 screenhouse cut power to probes. Unknown cause.
8/22-8/24	S0	pH	The 5081 pH analyzer suffered an output channel failure and continued to operate generating off scale data. Replaced with a new backup unit and calibrated.
8/23- 8/27	N10	Temp.	Lightning strike on the overhead AC power line neutral severs the conductor and melts the enclosure AC wiring. Line crew needed for repair. Station electricians replace AC wiring/ electrical box and fuses in enclosure. Powered up and calibrated.
9/15	S0	All	AC Power outage on River road circuit. Unknown cause.
10/26	S4	Temp	Severed RTD lead cable due to high water and debris buildup. Replaced and calibrated.
11/19-11/20	N10	Temp.	Severed RTD lead cable due to high water and debris buildup. Replaced and calibrated.
12/15	N5	pH	pH probe failure due to cold ambient river temps. Replaced with low temperature, low ionic strength probe and calibrated.
2/2-2/5	N5	pH	Floating pH probe in the river water inlet bay to Unit #2 becomes frozen in place. The river level drops and the probe is out of the water. Off scale data produced by air exposure. Hot water used to melt frozen sleeve. In service.

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TABLE 2. SUMMARY OF MAJOR EQUIPMENT MALFUNCTIONS

2/25-2/28	S0	pH, Temp.	AC Power outage on River road circuit. Tree damage from winter storm connects with the primary circuit. Tree removed and power restored.
5/26- 5/28	S0	pH	Lightning strike causes failure of isolation protection and damages output of pH 5081 analyzer. Replaced analyzer and isolation protection and calibrated.

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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. * **See a note on the following page to explain in detail the August 2009 S0 pH low data reading.**

<u>MONTH</u>	<u>N-5 RANGE</u>	<u>S-0 RANGE</u>
JUNE	6.71 -7.00	6.51 -7.42
JULY	6.62 -7.01	6.53 -7.34
AUGUST	6.69 -7.03	4.58 -7.18 *
SEPTEMBER	6.76 -7.31	6.60 -7.36
OCTOBER	6.53 -7.20	6.61 -7.04
NOVEMBER	6.70 -7.06	6.61 -7.04
DECEMBER	6.62 -7.16	6.65 -7.09
JANUARY	6.58 -7.20	6.55 -6.96
FEBRUARY	6.50 -7.10	6.57 -6.97
MARCH	6.47 -6.78	6.47 -6.79
APRIL	6.43 -7.10	6.47 -6.88
MAY	6.56 -7.41	6.51 -7.34

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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 schedule to lessen the impact of fouling and detect discrepancies.

NOTE:

* In August 2009 there was a partial pH analyzer failure at S-0 due to lightning damage. The damage to the data output circuit on the pH analyzer occurred on August 22nd and off scale data was generated until August 24th when the damaged pH analyzer was replaced. The new unit was calibrated and placed in service. The New Hampshire Department of Environmental Services, Water Division mandated that the off scale data remain in the 2009-2010 annual report.

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).

NOTE: See the note on Table 3 discussing the reporting of off scale data from the lightning damaged pH analyzer at S0 from August 22, 2009 to August 24, 2009 per the New Hampshire Department of Environmental Services-Water Division.

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 December 14, 2009 when the ambient river temperature fell below 40° F. Station S-4 was removed from service on December 14, 2009.

Station S-4 was installed on March 11, 2010 and Station N-10 was installed on March 11, 2010. The ambient river temperature was 39.1° F.

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

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.

Station N-5 probe was removed from service on December 15, 2009 after ambient river temperature fell below 40°F. Station S-O probe was removed from service on December 28, 2009.

The probe was installed at S-O on April 1, 2010, and the probe was installed at N-5 on April 2, 2010. The average ambient river temperature on April 1, 2010 was 43.2 °F.

PSNH is stocking a large spare equipment inventory onsite for all of the biological monitoring parameters to prevent multiple 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 no chill events (formally cold thermal excursions) due to the operation of the plant during the monitoring period.

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Merrimack Station biological monitoring data is organized in the following chronological sequence, June 2009 through May 2010. 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 2009

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2009	8.40	0815	8.03	7.73	1900	96
06/02/2009	8.19	1015	7.93	7.64	2245	96
06/03/2009	7.95	0915	7.60	7.26	1100	96
06/04/2009	7.63	1545	7.22	6.62	2245	96
06/05/2009	7.37	1015	7.06	6.73	0215	96
06/06/2009	7.43	0630	7.13	6.79	2000	96
06/07/2009	7.13	0800	6.89	6.62	2315	96
06/08/2009	6.98	1045	6.79	6.62	1530	96
06/09/2009	6.88	0545	6.75	6.62	1630	96
06/10/2009	7.16	1400	6.85	6.63	0830	96
06/11/2009	7.45	0545	7.26	6.99	0315	96
06/12/2009	7.47	0330	7.24	6.96	2400	96
06/13/2009	7.23	0445	6.99	6.42	1945	96
06/14/2009	7.27	1800	6.92	6.71	0215	96
06/15/2009	8.05	1830	7.52	6.82	0500	96
06/16/2009	8.06	1215	7.80	7.49	1115	96
06/17/2009	8.11	1245	7.74	7.47	2200	96
06/18/2009	7.51	0145	6.90	6.60	2400	96
06/19/2009	7.57	0900	7.27	6.61	0015	96
06/20/2009	8.14	1645	7.77	7.23	0145	96
06/21/2009	8.03	1330	7.85	7.65	2000	96
06/22/2009	7.83	0300	7.36	7.03	2100	96
06/23/2009	7.98	1745	7.42	7.11	0345	96
06/24/2009	8.17	2330	7.72	7.38	2045	96
06/25/2009	7.89	1230	7.47	6.94	1945	96
06/26/2009	7.55	2145	7.12	6.67	1515	96
06/27/2009	7.49	0200	7.01	6.58	1130	96
06/28/2009	7.27	2130	6.96	6.60	0100	96
06/29/2009	7.31	0315	6.91	6.60	1000	96
06/30/2009	7.55	1415	6.94	6.65	0730	96
AVERAGE	7.635		7.280	6.925		
STD DEV.:	0.404		0.381	0.384		

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

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2009	6.916	0545	6.867	6.827	1845	96
06/02/2009	6.866	1030	6.836	6.800	2400	96
06/03/2009	6.868	1030	6.827	6.791	0200	96
06/04/2009	7.300	2215	6.947	6.798	0100	96
06/05/2009	7.390	0515	7.152	6.998	2030	96
06/06/2009	7.160	0530	7.059	7.000	2215	96
06/07/2009	7.180	0530	7.057	7.010	0045	96
06/08/2009	7.270	1730	7.134	7.020	0015	96
06/09/2009	7.320	1715	7.190	7.140	0015	96
06/10/2009	7.370	0545	7.245	7.170	2400	96
06/11/2009	7.400	1745	7.238	7.150	0215	96
06/12/2009	7.420	0600	7.226	7.070	2345	96
06/13/2009	7.100	2045	6.969	6.860	1545	96
06/14/2009	7.210	0630	7.020	6.742	2315	96
06/15/2009	6.744	0015	6.654	6.573	0830	96
06/16/2009	6.699	1115	6.633	6.573	2030	96
06/17/2009	6.640	1115	6.579	6.516	2030	96
06/18/2009	6.594	2330	6.552	6.510	1145	96
06/19/2009	6.810	1815	6.709	6.570	0145	96
06/20/2009	6.884	1015	6.819	6.783	2130	96
06/21/2009	6.832	1415	6.792	6.744	0845	96
06/22/2009	6.838	0715	6.797	6.747	2200	96
06/23/2009	6.789	0630	6.757	6.714	1315	96
06/24/2009	6.785	0945	6.760	6.733	0230	96
06/25/2009	7.250	1745	6.938	6.742	0115	91
06/26/2009	6.990	2300	6.902	6.743	1230	47
06/27/2009	7.100	1015	7.008	6.935	2045	96
06/28/2009	7.070	1300	7.009	6.959	0145	96
06/29/2009	7.120	0945	7.046	6.959	2400	96
06/30/2009	7.040	1015	6.953	6.870	2345	96
AVERAGE	7.032		6.923	6.835		
STD DEV.:	0.246		0.196	0.187		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2009

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2009	25.450	1445	24.484	23.520	0600	96
06/02/2009	27.180	2330	26.078	24.850	0230	96
06/03/2009	28.270	1545	27.524	26.750	0630	96
06/04/2009	30.150	1600	28.217	27.290	0545	96
06/05/2009	28.560	1430	27.431	26.350	0615	96
06/06/2009	29.930	1630	28.133	26.130	0700	96
06/07/2009	29.400	1945	28.678	27.650	0700	96
06/08/2009	30.410	1830	28.873	27.610	0700	96
06/09/2009	29.180	1945	28.542	27.800	2400	96
06/10/2009	27.760	0015	27.495	27.270	0715	96
06/11/2009	27.390	1830	27.179	26.850	2400	96
06/12/2009	28.760	1800	27.477	26.380	0800	96
06/13/2009	30.410	1345	29.193	28.360	2400	96
06/14/2009	28.570	2400	28.012	27.590	1415	96
06/15/2009	29.150	1615	28.721	28.410	2345	96
06/16/2009	29.390	1545	28.738	28.130	0830	96
06/17/2009	30.520	1545	29.557	28.770	0645	96
06/18/2009	30.220	2100	29.655	29.420	1315	96
06/19/2009	30.180	1645	29.507	28.830	0845	96
06/20/2009	30.920	1515	29.748	29.050	0530	96
06/21/2009	29.900	1530	29.583	29.290	0545	96
06/22/2009	30.690	1800	30.029	29.320	0530	96
06/23/2009	30.900	1745	30.197	29.190	0530	96
06/24/2009	30.870	2345	30.395	29.480	0730	96
06/25/2009	31.370	1215	30.700	30.220	0545	96
06/26/2009	31.820	1215	29.703	24.670	2400	96
06/27/2009	27.810	1445	25.585	24.140	0415	96
06/28/2009	28.520	1945	26.664	24.850	2400	96
06/29/2009	27.200	2400	25.087	24.310	0645	96
06/30/2009	29.310	2215	27.325	24.810	1145	96
AVERAGE	29.340		28.284	27.243		
STD DEV.:	1.466		1.596	1.879		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2009

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2009	9.10	0845	8.92	8.71	2400	96
06/02/2009	8.79	0200	8.66	8.45	2330	96
06/03/2009	8.60	1415	8.47	8.35	2345	96
06/04/2009	8.40	1345	8.31	8.15	2345	96
06/05/2009	8.59	1530	8.31	8.09	0445	96
06/06/2009	8.64	1600	8.37	8.14	0600	96
06/07/2009	8.64	1445	8.27	7.99	0715	96
06/08/2009	8.79	1745	8.30	7.82	0500	96
06/09/2009	8.49	1600	8.22	8.03	0745	96
06/10/2009	8.33	1645	8.06	7.80	0500	96
06/11/2009	8.50	1545	8.22	8.06	0615	96
06/12/2009	8.36	1045	8.13	8.03	2030	96
06/13/2009	8.08	0030	7.84	7.64	2100	96
06/14/2009	7.97	1930	7.79	7.70	0715	96
06/15/2009	7.99	1500	7.86	7.67	0900	96
06/16/2009	8.13	2015	8.04	7.94	0015	96
06/17/2009	8.20	1500	8.14	8.04	0545	96
06/18/2009	8.18	0030	8.10	8.00	2015	96
06/19/2009	8.83	1345	8.43	8.01	0630	96
06/20/2009	8.78	2230	8.67	8.53	0445	96
06/21/2009	8.78	0245	8.71	8.63	2215	96
06/22/2009	8.72	0315	8.61	8.51	2100	96
06/23/2009	8.75	1430	8.58	8.48	0130	96
06/24/2009	8.65	1215	8.60	8.52	2030	96
06/25/2009	8.63	1445	8.56	8.47	1015	96
06/26/2009	8.64	1300	8.49	8.13	2145	96
06/27/2009	8.46	0015	8.17	7.59	1515	96
06/28/2009	8.38	0230	8.04	7.71	0700	96
06/29/2009	8.47	1715	8.12	7.67	1200	96
06/30/2009	8.35	0030	8.16	7.97	0100	96
AVERAGE	8.507		8.305	8.094		
STD DEV.:	0.273		0.280	0.325		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2009

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2009	6.868	0030	6.841	6.818	0830	96
06/02/2009	6.847	0045	6.813	6.778	2230	96
06/03/2009	6.821	1415	6.784	6.739	1145	96
06/04/2009	6.789	1000	6.766	6.736	2345	96
06/05/2009	6.883	1145	6.789	6.728	0315	96
06/06/2009	6.873	1815	6.822	6.775	0215	96
06/07/2009	6.856	1545	6.806	6.769	0600	96
06/08/2009	6.958	1900	6.854	6.750	0430	96
06/09/2009	6.922	1830	6.859	6.802	0545	96
06/10/2009	6.917	1815	6.860	6.809	0430	96
06/11/2009	6.979	1645	6.922	6.879	0030	96
06/12/2009	6.948	1330	6.910	6.749	1045	96
06/13/2009	6.933	1530	6.905	6.865	0130	96
06/14/2009	6.907	0030	6.834	6.785	1930	96
06/15/2009	6.942	1000	6.837	6.797	0730	96
06/16/2009	6.851	0230	6.826	6.806	0930	96
06/17/2009	6.826	0200	6.794	6.759	1900	96
06/18/2009	6.792	0700	6.774	6.751	0945	96
06/19/2009	6.919	1015	6.809	6.775	0045	96
06/20/2009	6.872	1445	6.857	6.835	0045	96
06/21/2009	6.859	2230	6.843	6.827	0345	96
06/22/2009	6.857	0330	6.834	6.811	2345	96
06/23/2009	6.846	1430	6.779	6.751	1930	96
06/24/2009	6.765	0045	6.746	6.730	2045	96
06/25/2009	6.751	0200	6.732	6.706	2045	96
06/26/2009	6.827	1100	6.745	6.710	0830	96
06/27/2009	6.984	1045	6.838	6.768	1015	96
06/28/2009	6.878	0145	6.820	6.699	1600	96
06/29/2009	7.000	1045	6.857	6.758	0800	96
06/30/2009	6.839	0045	6.797	6.742	0115	96
AVERAGE	6.877		6.822	6.774		
STD DEV.:	0.064		0.047	0.045		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2009

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2009	15.110	2400	14.459	13.780	0645	96
06/02/2009	16.960	1745	16.024	15.130	0015	96
06/03/2009	17.690	1800	17.234	16.820	0815	96
06/04/2009	19.170	1645	18.315	17.480	0015	96
06/05/2009	19.240	1500	18.746	18.330	0245	96
06/06/2009	19.850	1700	19.033	18.320	0615	96
06/07/2009	20.620	1445	19.828	19.200	0545	96
06/08/2009	21.030	1700	20.091	19.250	0630	96
06/09/2009	20.150	0015	19.820	19.330	2400	96
06/10/2009	19.330	0015	18.865	18.460	2400	96
06/11/2009	18.650	1545	18.395	18.160	0715	96
06/12/2009	19.300	1745	18.602	18.000	0615	96
06/13/2009	19.760	2200	19.308	18.920	0015	96
06/14/2009	19.610	0015	18.800	18.400	1430	96
06/15/2009	18.430	0015	18.303	18.070	2400	96
06/16/2009	18.900	2100	18.226	17.610	0730	96
06/17/2009	19.470	2100	18.901	18.240	0800	96
06/18/2009	19.400	0015	18.938	18.660	2400	96
06/19/2009	18.710	1930	18.440	18.170	1015	96
06/20/2009	18.770	1545	18.491	18.060	0845	96
06/21/2009	19.020	1830	18.814	18.640	0745	96
06/22/2009	18.960	0015	18.723	18.570	2400	96
06/23/2009	18.790	2130	18.648	18.480	0600	96
06/24/2009	19.540	2400	19.049	18.680	0715	96
06/25/2009	20.800	2400	20.017	19.380	0630	96
06/26/2009	22.010	2330	21.363	20.800	0645	96
06/27/2009	22.720	1615	22.199	21.650	0715	96
06/28/2009	22.730	0030	22.178	21.860	1915	96
06/29/2009	21.890	0030	21.700	21.500	2330	96
06/30/2009	21.500	0015	21.313	21.140	1300	96
AVERAGE	19.604		19.094	18.636		
STD DEV.:	1.620		1.636	1.702		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2009

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2009	15.940	1545	15.277	14.540	0630	96
06/02/2009	18.150	1945	16.638	15.540	0030	96
06/03/2009	20.470	1600	18.385	17.240	0015	96
06/04/2009	20.930	1700	19.599	18.240	0815	96
06/05/2009	22.480	1615	20.279	19.230	0545	96
06/06/2009	24.130	1915	21.534	19.330	0930	96
06/07/2009	23.270	0045	21.643	20.730	0915	96
06/08/2009	24.590	2115	22.121	20.350	0415	96
06/09/2009	24.010	0015	22.854	20.480	2400	96
06/10/2009	21.110	1815	20.278	19.400	2145	96
06/11/2009	21.750	1515	20.115	18.960	0430	96
06/12/2009	21.250	1445	19.609	18.670	1145	96
06/13/2009	20.750	1715	20.029	19.290	0115	96
06/14/2009	20.510	0015	19.483	19.030	2400	96
06/15/2009	19.110	1600	18.973	18.760	2315	96
06/16/2009	19.560	2145	18.976	18.310	0800	96
06/17/2009	20.120	1900	19.642	19.060	0730	96
06/18/2009	20.000	0015	19.555	19.230	2400	96
06/19/2009	19.420	2015	19.117	18.860	0930	96
06/20/2009	19.570	1545	19.236	18.900	0700	96
06/21/2009	19.710	1715	19.482	19.270	0800	96
06/22/2009	19.580	0015	19.421	19.310	1715	96
06/23/2009	19.650	1715	19.460	19.240	0515	96
06/24/2009	20.300	2245	19.874	19.500	0545	96
06/25/2009	21.470	1830	20.803	20.180	0600	96
06/26/2009	22.680	1815	22.022	21.420	0015	96
06/27/2009	22.970	1530	22.441	21.950	0715	96
06/28/2009	22.800	0200	22.454	22.110	2400	96
06/29/2009	22.100	0015	21.863	21.570	2330	96
06/30/2009	21.910	1815	21.716	21.430	1245	96
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AVERAGE	21.010		20.096	19.338		
STD DEV.:	1.895		1.684	1.649		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2009

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2009	7.20	1530	6.87	6.62	0430	96
07/02/2009	7.40	0830	7.13	6.91	0030	96
07/03/2009	8.23	1415	7.48	6.85	0315	96
07/04/2009	8.30	1330	7.81	7.05	0015	96
07/05/2009	8.33	0930	7.85	6.89	2345	96
07/06/2009	7.26	1100	6.94	6.63	0100	96
07/07/2009	7.15	1730	7.02	6.89	0300	96
07/08/2009	7.47	1000	7.16	6.96	1945	96
07/09/2009	7.61	1015	7.43	7.09	2145	96
07/10/2009	7.68	1000	7.37	7.11	1945	96
07/11/2009	7.56	0700	7.38	7.23	2400	96
07/12/2009	7.29	0700	7.07	6.69	1815	96
07/13/2009	7.36	1730	7.09	6.85	0500	96
07/14/2009	7.34	0815	7.15	6.95	1900	96
07/15/2009	7.57	1100	7.19	6.75	1915	96
07/16/2009	7.49	2245	7.07	6.65	1900	96
07/17/2009	7.40	0045	6.97	6.74	0230	96
07/18/2009	7.20	1145	7.00	6.72	2030	96
07/19/2009	7.40	1145	7.09	6.40	0015	96
07/20/2009	7.70	2345	7.15	6.70	1645	96
07/21/2009	7.76	0245	7.23	6.56	1815	96
07/22/2009	7.65	0600	7.29	6.82	1600	96
07/23/2009	7.45	0015	6.70	6.50	0445	96
07/24/2009	7.32	0630	7.01	6.67	1930	96
07/25/2009	7.15	0415	6.84	6.41	2215	96
07/26/2009	6.93	1315	6.59	6.20	2315	96
07/27/2009	6.96	1015	6.59	6.20	0245	96
07/28/2009	6.87	0930	6.65	6.38	2100	96
07/29/2009	6.68	0945	6.51	6.39	1745	96
07/30/2009	6.60	1245	6.45	6.21	2115	96
07/31/2009	6.62	1000	6.41	6.20	0345	96
AVERAGE	7.385		7.048	6.684		
STD DEV.:	0.429		0.355	0.287		

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

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2009	6.889	1830	6.872	6.858	1345	96
07/02/2009	6.922	0715	6.885	6.864	0015	96
07/03/2009	6.901	0030	6.739	6.612	1715	96
07/04/2009	6.879	0015	6.615	6.532	1930	96
07/05/2009	6.990	2315	6.615	6.566	0015	96
07/06/2009	6.905	2400	6.804	6.727	0245	96
07/07/2009	6.972	2400	6.933	6.882	0245	96
07/08/2009	6.999	0615	6.948	6.855	1015	96
07/09/2009	6.974	0700	6.859	6.795	2145	96
07/10/2009	6.870	0830	6.801	6.745	1430	96
07/11/2009	6.830	1115	6.804	6.774	0230	96
07/12/2009	6.873	1815	6.839	6.813	0045	96
07/13/2009	6.884	1800	6.851	6.826	0430	96
07/14/2009	6.872	1745	6.839	6.820	0500	96
07/15/2009	6.911	1800	6.863	6.822	0230	96
07/16/2009	6.884	1215	6.864	6.824	0215	96
07/17/2009	7.140	1045	7.018	6.840	0300	96
07/18/2009	7.150	1130	7.115	7.080	0430	96
07/19/2009	7.170	1015	7.113	7.070	0045	96
07/20/2009	7.180	2000	7.123	7.070	0115	96
07/21/2009	7.290	2300	7.205	7.140	0100	96
07/22/2009	7.340	0930	7.170	6.898	2100	96
07/23/2009	7.220	0900	7.190	7.160	0215	96
07/24/2009	7.220	0200	7.108	7.010	2300	96
07/25/2009	7.030	0445	6.977	6.927	2330	96
07/26/2009	6.938	0730	6.898	6.851	1530	96
07/27/2009	6.884	1000	6.857	6.836	1715	96
07/28/2009	6.867	1130	6.845	6.818	2330	96
07/29/2009	6.871	1230	6.838	6.813	0045	96
07/30/2009	6.934	1715	6.897	6.843	0030	96
07/31/2009	6.936	0915	6.898	6.874	2315	96

AVERAGE	6.991		6.916	6.856	
STD DEV.:	0.144		0.152	0.147	

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2009

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2009	29.330	0030	29.035	28.690	2400	96
07/02/2009	28.700	0015	28.177	27.510	2400	96
07/03/2009	30.870	1730	29.193	27.470	0115	96
07/04/2009	30.120	1245	29.689	29.030	0015	96
07/05/2009	29.910	1630	29.347	28.310	2400	96
07/06/2009	30.820	1530	29.098	27.800	0700	96
07/07/2009	29.150	0015	28.848	28.170	2400	96
07/08/2009	28.950	1400	28.339	27.680	2400	96
07/09/2009	28.620	1730	27.950	27.240	0545	96
07/10/2009	30.190	1645	28.809	27.560	0700	96
07/11/2009	30.390	1515	29.536	28.520	0545	96
07/12/2009	30.860	1600	30.133	29.560	0445	96
07/13/2009	30.530	1445	30.047	29.580	1715	96
07/14/2009	30.090	1730	29.664	29.040	0645	96
07/15/2009	31.800	2000	30.148	29.090	0430	96
07/16/2009	33.310	1730	31.623	29.970	0630	96
07/17/2009	33.790	1530	32.153	30.970	0600	96
07/18/2009	34.200	1715	32.563	31.440	0445	96
07/19/2009	32.840	0015	31.702	30.350	0515	96
07/20/2009	33.790	1545	30.614	25.590	2400	96
07/21/2009	26.180	1600	25.215	22.740	2400	96
07/22/2009	26.410	2045	23.114	21.360	0630	96
07/23/2009	30.890	1600	29.659	25.490	0015	96
07/24/2009	29.330	0030	28.352	27.840	2215	96
07/25/2009	30.800	2200	29.457	27.060	0445	96
07/26/2009	31.690	2030	30.708	29.910	0645	96
07/27/2009	32.660	1415	31.525	30.600	0615	96
07/28/2009	33.270	1545	32.023	30.450	0630	96
07/29/2009	34.400	1500	33.311	31.900	0630	96
07/30/2009	34.380	1830	33.378	32.650	0900	96
07/31/2009	32.940	0015	32.102	31.530	2145	96
AVERAGE	31.007		29.855	28.552		
STD DEV.:	2.183		2.160	2.461		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2009

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2009	8.57	1615	8.42	8.22	0115	96
07/02/2009	8.70	2200	8.55	8.45	0130	96
07/03/2009	9.20	2345	8.95	8.64	0015	96
07/04/2009	9.35	1330	9.24	9.10	0030	96
07/05/2009	9.32	0645	9.09	8.88	2130	96
07/06/2009	8.95	0630	8.70	8.37	2045	96
07/07/2009	8.41	0330	8.27	8.16	0615	96
07/08/2009	8.31	1800	8.24	8.16	1215	96
07/09/2009	8.61	2300	8.42	8.25	0045	96
07/10/2009	8.92	1100	8.65	8.58	0215	96
07/11/2009	8.72	0130	8.60	8.46	2230	96
07/12/2009	8.51	0515	8.41	8.21	2245	96
07/13/2009	8.27	2400	8.20	8.13	1915	96
07/14/2009	8.39	1245	8.27	8.17	2045	96
07/15/2009	8.46	1600	8.34	8.25	2145	96
07/16/2009	8.33	1530	8.24	8.01	2400	96
07/17/2009	8.40	1645	8.19	8.00	0200	96
07/18/2009	8.28	0545	8.09	7.81	2400	96
07/19/2009	8.22	1700	8.04	7.76	0045	96
07/20/2009	8.33	1745	8.17	7.90	1115	96
07/21/2009	8.35	1115	8.17	7.93	2315	96
07/22/2009	8.32	1945	8.12	7.93	0015	96
07/23/2009	8.26	1030	8.15	8.07	0130	96
07/24/2009	8.54	1400	8.30	8.03	0430	96
07/25/2009	8.45	1330	8.36	8.26	0245	96
07/26/2009	8.51	0900	8.41	8.25	2330	96
07/27/2009	8.42	0900	8.29	8.18	2030	96
07/28/2009	8.29	0945	8.18	8.04	2345	96
07/29/2009	8.24	1445	8.05	7.52	1415	96
07/30/2009	8.42	1130	8.07	7.87	0600	83
07/31/2009	8.97	1730	8.64	8.07	0030	96
AVERAGE	8.549		8.382	8.183		
STD DEV.:	0.319		0.299	0.321		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2009

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2009	6.825	0115	6.804	6.790	1245	96
07/02/2009	6.831	1045	6.795	6.750	1930	96
07/03/2009	6.914	1030	6.804	6.764	0100	96
07/04/2009	6.799	0030	6.767	6.732	2345	96
07/05/2009	6.743	0315	6.733	6.720	1415	96
07/06/2009	6.744	0545	6.726	6.711	2345	96
07/07/2009	6.754	2200	6.729	6.706	0415	96
07/08/2009	6.778	1930	6.751	6.725	0700	96
07/09/2009	6.796	2330	6.771	6.744	0345	96
07/10/2009	6.822	1100	6.795	6.778	1845	96
07/11/2009	6.800	0100	6.779	6.764	1100	96
07/12/2009	6.801	0045	6.774	6.758	1915	96
07/13/2009	6.820	2300	6.793	6.774	0845	96
07/14/2009	6.821	0500	6.794	6.770	2130	96
07/15/2009	6.809	0400	6.792	6.774	2245	96
07/16/2009	6.807	0400	6.787	6.751	2345	96
07/17/2009	6.910	1130	6.764	6.736	2330	96
07/18/2009	6.782	0645	6.746	6.714	2330	96
07/19/2009	6.777	1045	6.752	6.708	0145	96
07/20/2009	6.799	1945	6.765	6.709	1130	96
07/21/2009	6.843	1300	6.812	6.763	0145	96
07/22/2009	6.866	0515	6.830	6.797	2200	96
07/23/2009	6.886	1745	6.855	6.802	0200	96
07/24/2009	6.895	0500	6.843	6.785	1430	96
07/25/2009	6.862	1800	6.840	6.816	2400	96
07/26/2009	6.818	0145	6.796	6.773	1415	96
07/27/2009	6.849	1145	6.742	6.712	1915	96
07/28/2009	6.720	0045	6.680	6.638	2145	96
07/29/2009	6.761	0815	6.656	6.620	0715	96
07/30/2009	6.925	2400	6.772	6.654	1130	83
07/31/2009	7.010	0645	6.961	6.929	0030	96
AVERAGE	6.825		6.781	6.747		
STD DEV.:	0.062		0.055	0.057		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2009

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2009	21.160	0015	20.747	20.460	2400	96
07/02/2009	20.440	0015	19.829	19.260	2400	96
07/03/2009	19.710	1845	19.248	18.870	0845	96
07/04/2009	19.410	0015	19.176	18.940	0815	96
07/05/2009	19.860	2115	19.132	18.510	0745	96
07/06/2009	20.700	2315	19.972	19.370	0645	96
07/07/2009	20.700	0015	20.015	19.600	2345	96
07/08/2009	19.760	1530	19.630	19.440	2400	96
07/09/2009	19.860	1845	19.504	19.080	0715	96
07/10/2009	20.640	2100	20.038	19.380	0700	96
07/11/2009	21.300	1600	20.838	20.260	0730	96
07/12/2009	22.060	2345	21.376	20.690	0700	96
07/13/2009	22.070	0100	21.772	21.500	0845	96
07/14/2009	21.640	0015	21.307	20.790	0745	96
07/15/2009	21.860	2000	21.292	20.630	0730	96
07/16/2009	22.380	1715	22.031	21.690	0845	96
07/17/2009	23.180	1600	22.619	22.160	0830	95
07/18/2009	23.500	1730	23.063	22.800	1000	96
07/19/2009	23.390	1730	23.004	22.660	0645	96
07/20/2009	23.610	1800	23.185	22.830	0715	96
07/21/2009	23.390	1300	23.160	22.730	2330	96
07/22/2009	22.740	0015	22.546	22.380	2400	96
07/23/2009	22.380	0015	22.253	21.960	2400	96
07/24/2009	21.940	0015	21.277	20.990	1415	96
07/25/2009	21.850	1915	21.334	20.810	0845	96
07/26/2009	22.050	2315	21.498	21.100	0815	96
07/27/2009	22.580	2230	22.142	21.660	0715	96
07/28/2009	23.660	2400	22.805	22.110	0645	96
07/29/2009	24.290	2315	23.769	23.210	0745	96
07/30/2009	24.650	1800	24.301	23.890	1015	96
07/31/2009	24.570	0015	23.673	23.210	1530	96
AVERAGE	21.978		21.501	21.064		
STD DEV.:	1.506		1.501	1.521		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2009

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2009	21.760	0015	21.436	21.190	2345	96
07/02/2009	21.170	0015	20.529	19.940	2400	96
07/03/2009	20.560	1845	20.105	19.740	0645	96
07/04/2009	20.240	1630	19.991	19.750	0630	96
07/05/2009	20.700	2215	20.067	19.480	0615	96
07/06/2009	21.500	2145	20.863	20.190	0530	96
07/07/2009	21.480	0015	20.828	20.340	2345	96
07/08/2009	20.660	1315	20.391	20.140	2345	96
07/09/2009	20.610	1500	20.262	19.810	0600	96
07/10/2009	21.450	1715	20.847	20.130	0600	96
07/11/2009	22.260	1600	21.644	21.020	0745	96
07/12/2009	22.850	1615	22.189	21.470	0630	96
07/13/2009	22.750	1515	22.552	22.410	0745	96
07/14/2009	22.420	1400	22.125	21.650	0700	96
07/15/2009	22.660	1645	22.124	21.530	0700	96
07/16/2009	24.670	1545	23.124	22.400	0215	96
07/17/2009	25.180	1400	23.480	22.700	0115	96
07/18/2009	24.350	1530	23.721	23.160	0200	96
07/19/2009	24.220	1600	23.681	23.200	0730	96
07/20/2009	25.580	1700	24.074	23.330	0615	96
07/21/2009	23.800	1230	23.459	22.720	2400	96
07/22/2009	22.890	2045	22.495	22.210	0715	96
07/23/2009	23.170	1045	22.796	22.500	2400	96
07/24/2009	22.480	0015	21.775	21.560	1515	96
07/25/2009	22.560	1930	22.033	21.490	0645	96
07/26/2009	22.740	2345	22.262	21.810	0845	96
07/27/2009	23.270	1600	22.897	22.410	0715	96
07/28/2009	24.220	2400	23.501	22.770	0615	96
07/29/2009	24.890	1430	24.475	23.910	0645	96
07/30/2009	25.350	1700	24.999	24.630	0915	96
07/31/2009	25.130	0015	24.215	23.650	1500	96
AVERAGE	22.825		22.224	21.717		
STD DEV.:	1.591		1.439	1.403		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2009

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2009	7.30	1300	6.68	6.23	0645	96
08/02/2009	7.09	0700	6.74	6.45	0100	96
08/03/2009	7.20	0615	6.71	6.31	2315	96
08/04/2009	6.78	1600	6.53	6.20	0300	96
08/05/2009	7.06	0145	6.72	6.31	1830	96
08/06/2009	6.96	1100	6.70	6.51	1545	96
08/07/2009	6.66	1445	6.53	6.30	0845	96
08/08/2009	6.79	0500	6.57	6.40	1830	96
08/09/2009	6.78	0500	6.63	6.51	0045	96
08/10/2009	6.99	0345	6.36	5.69	2400	96
08/11/2009	6.11	1645	5.82	5.54	0545	96
08/12/2009	6.22	1445	5.89	5.71	1330	96
08/13/2009	6.10	1930	5.91	5.59	2145	96
08/14/2009	6.84	1730	6.35	5.84	0015	96
08/15/2009	6.93	1430	6.56	6.29	2400	96
08/16/2009	8.28	2400	6.79	6.21	0245	96
08/17/2009	8.35	0030	6.80	6.18	2400	96
08/18/2009	7.09	1645	6.48	5.39	0515	96
08/19/2009	6.93	1615	6.60	6.38	2400	96
08/20/2009	6.88	2215	6.49	6.23	0845	96
08/21/2009	7.52	0900	6.75	6.28	0200	96
08/22/2009	6.57	0015	6.30	6.07	1100	96
08/23/2009	6.73	2100	6.32	5.99	0630	96
08/24/2009	8.13	1545	6.97	6.14	0215	96
08/25/2009	7.12	1330	6.69	6.22	2100	96
08/26/2009	7.03	1000	6.58	6.03	1800	96
08/27/2009	8.05	1645	6.97	6.44	0200	96
08/28/2009	7.15	0515	6.59	5.87	1130	96
08/29/2009	6.78	0815	6.46	6.09	2145	96
08/30/2009	7.60	0845	7.02	6.05	2230	96
08/31/2009	8.06	1345	7.20	6.37	0330	96
AVERAGE	7.100		6.571	6.123		
STD DEV.:	0.585		0.310	0.295		

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

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2009	7.010	1000	6.862	6.601	2330	96
08/02/2009	6.719	2215	6.676	6.591	0015	96
08/03/2009	6.726	0330	6.676	6.601	2100	96
08/04/2009	6.704	0030	6.664	6.617	0400	96
08/05/2009	6.705	1145	6.655	6.553	1415	96
08/06/2009	6.684	1245	6.651	6.624	2045	96
08/07/2009	6.731	1715	6.689	6.631	0015	96
08/08/2009	6.753	1615	6.713	6.672	0100	96
08/09/2009	6.776	2200	6.754	6.726	0030	96
08/10/2009	6.783	1230	6.761	6.738	2145	96
08/11/2009	6.798	1230	6.761	6.737	0400	96
08/12/2009	6.800	1515	6.762	6.727	0545	96
08/13/2009	6.820	1700	6.787	6.756	0015	96
08/14/2009	6.826	1300	6.800	6.723	1100	96
08/15/2009	6.840	1030	6.805	6.776	0030	96
08/16/2009	6.992	1830	6.825	6.773	0415	96
08/17/2009	6.989	0700	6.893	6.820	0515	96
08/18/2009	6.882	1745	6.845	6.812	1000	96
08/19/2009	6.892	1800	6.848	6.810	0545	96
08/20/2009	7.180	2200	6.909	6.703	1215	96
08/21/2009	7.150	0300	6.910	6.664	1315	96
08/22/2009	6.742	0015	5.812	4.600	1430	96
08/23/2009	4.839	2230	4.657	4.577	1045	96
08/24/2009	7.060	1430	5.704	1.576	1315	92
08/25/2009	7.040	1800	6.958	6.906	0645	96
08/26/2009	6.996	1415	6.926	6.860	2245	96
08/27/2009	6.897	0030	6.830	6.719	0945	96
08/28/2009	6.846	0100	6.754	6.678	1130	96
08/29/2009	6.719	1600	6.702	6.674	2400	96
08/30/2009	7.180	2100	6.904	6.662	0245	96
08/31/2009	7.070	1245	6.860	6.710	2330	96

AVERAGE	6.811	6.657	6.407
STD DEV.:	0.396	0.460	1.044

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2009

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2009	31.540	0030	27.872	25.730	1145	96
08/02/2009	28.720	1930	27.599	25.900	0615	96
08/03/2009	31.370	1645	29.608	28.340	0615	96
08/04/2009	32.210	1545	30.856	29.590	0730	96
08/05/2009	32.260	1500	31.199	30.310	0745	96
08/06/2009	32.510	1630	31.261	30.360	0745	96
08/07/2009	31.230	1645	30.466	29.770	0645	96
08/08/2009	31.960	1430	30.715	29.790	0700	96
08/09/2009	30.930	1145	30.336	29.810	0645	96
08/10/2009	33.610	1615	31.630	30.000	0515	96
08/11/2009	34.750	1530	32.840	31.440	0845	96
08/12/2009	32.950	0015	32.405	31.530	2400	96
08/13/2009	32.060	1700	31.400	30.970	0700	96
08/14/2009	34.670	1615	32.392	30.580	0800	96
08/15/2009	35.240	1600	33.712	32.070	0745	96
08/16/2009	36.090	1500	33.428	30.160	2400	96
08/17/2009	36.310	1600	34.308	29.750	0145	96
08/18/2009	36.620	1530	35.556	34.370	0800	96
08/19/2009	37.070	1600	36.047	34.870	0645	96
08/20/2009	37.010	1700	34.973	31.210	2400	96
08/21/2009	36.840	1315	32.853	30.150	0430	96
08/22/2009	36.590	1730	35.893	34.890	0900	96
08/23/2009	35.980	0015	33.804	30.020	2400	96
08/24/2009	30.480	1245	29.945	29.630	0745	96
08/25/2009	30.020	1315	29.561	29.050	0815	96
08/26/2009	29.420	1515	28.889	28.310	2345	96
08/27/2009	28.260	0015	26.695	25.840	2400	96
08/28/2009	32.640	1530	29.912	25.350	0500	96
08/29/2009	30.910	0015	29.718	28.740	2400	96
08/30/2009	30.660	1430	27.539	24.890	0915	96
08/31/2009	28.920	0115	27.485	26.280	1245	96
AVERAGE	32.898		31.319	29.668		
STD DEV.:	2.737		2.606	2.566		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2009

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2009	9.38	2400	9.18	8.95	0015	96
08/02/2009	9.41	0145	9.35	9.26	0230	96
08/03/2009	9.33	0500	8.86	8.46	2300	96
08/04/2009	8.57	0715	8.49	8.37	2400	96
08/05/2009	8.39	0030	8.22	8.01	2330	96
08/06/2009	8.03	0015	7.85	7.74	1830	96
08/07/2009	7.91	1330	7.76	7.66	2330	96
08/08/2009	7.77	0230	7.63	7.33	1415	96
08/09/2009	7.76	1315	7.60	7.47	2315	96
08/10/2009	7.62	1600	7.46	7.33	2115	96
08/11/2009	7.57	0800	7.32	7.11	2315	96
08/12/2009	7.62	1830	7.29	6.24	1300	96
08/13/2009	7.75	1345	7.53	7.30	2245	96
08/14/2009	7.79	1500	7.55	7.24	0430	96
08/15/2009	7.82	1615	7.66	7.41	2345	96
08/16/2009	7.56	1600	7.41	7.15	2400	96
08/17/2009	7.56	1445	7.28	6.91	2330	96
08/18/2009	8.03	1430	7.40	6.73	0545	96
08/19/2009	7.76	1530	7.45	7.11	2345	96
08/20/2009	7.91	1400	7.38	6.87	0530	96
08/21/2009	8.05	1545	7.31	6.84	0300	96
08/22/2009	7.29	1330	7.01	6.68	0530	96
08/23/2009	7.26	1415	7.00	6.78	2145	96
08/24/2009	7.64	1445	7.19	6.62	1100	96
08/25/2009	7.70	1430	7.57	7.41	2030	96
08/26/2009	7.52	0300	7.31	7.07	2130	96
08/27/2009	7.64	1630	7.40	7.21	0030	96
08/28/2009	7.91	1145	7.69	7.21	0115	96
08/29/2009	8.25	1600	8.07	7.68	0015	96
08/30/2009	8.72	2400	8.43	8.17	0130	96
08/31/2009	8.92	1230	8.78	8.61	0615	96
AVERAGE	8.014		7.755	7.449		
STD DEV.:	0.588		0.619	0.711		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2009

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2009	6.961	0630	6.922	6.869	2400	96
08/02/2009	6.927	2315	6.895	6.861	0045	96
08/03/2009	6.945	0900	6.924	6.903	1915	96
08/04/2009	6.989	1330	6.859	6.752	1915	96
08/05/2009	6.804	0330	6.788	6.769	2015	96
08/06/2009	6.800	0915	6.783	6.770	1830	96
08/07/2009	6.807	0245	6.788	6.765	1245	96
08/08/2009	6.857	0915	6.831	6.782	0015	96
08/09/2009	6.884	0545	6.864	6.843	1715	96
08/10/2009	6.906	0245	6.875	6.839	2130	96
08/11/2009	6.891	0900	6.854	6.807	2215	96
08/12/2009	6.936	1315	6.846	6.805	1500	96
08/13/2009	6.929	2100	6.903	6.851	0030	96
08/14/2009	6.956	0915	6.848	6.763	1500	96
08/15/2009	6.851	0430	6.796	6.751	2400	96
08/16/2009	6.820	0715	6.784	6.747	2400	96
08/17/2009	6.832	1930	6.793	6.736	0245	96
08/18/2009	6.924	0945	6.792	6.732	0500	96
08/19/2009	6.929	1430	6.851	6.753	0045	96
08/20/2009	7.020	1600	6.908	6.834	0600	96
08/21/2009	7.030	1530	6.902	6.813	0500	96
08/22/2009	6.926	1345	6.854	6.817	0330	96
08/23/2009	6.879	0230	6.849	6.802	2130	96
08/24/2009	6.926	1145	6.833	6.797	1030	96
08/25/2009	6.873	0145	6.814	6.744	2215	96
08/26/2009	6.772	0645	6.726	6.697	2015	96
08/27/2009	6.808	1400	6.781	6.710	0015	96
08/28/2009	6.857	0830	6.782	6.743	2400	96
08/29/2009	6.821	1545	6.790	6.728	0130	96
08/30/2009	6.845	2400	6.797	6.767	0300	96
08/31/2009	6.880	1130	6.858	6.826	2300	96
AVERAGE	6.890		6.835	6.786		
STD DEV.:	0.066		0.050	0.050		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2009

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2009	23.280	0015	22.718	22.430	1000	96
08/02/2009	22.440	0015	22.136	22.000	0815	96
08/03/2009	22.870	1930	22.234	21.660	0645	96
08/04/2009	23.270	2015	22.766	22.270	0845	96
08/05/2009	23.510	1930	23.080	22.620	0715	96
08/06/2009	23.680	1915	23.396	23.110	0715	96
08/07/2009	23.670	1600	23.414	23.150	0800	96
08/08/2009	23.730	1730	23.299	22.730	0815	96
08/09/2009	23.560	0015	23.099	22.870	2100	96
08/10/2009	23.650	2400	23.117	22.630	0815	96
08/11/2009	24.640	1645	24.078	23.640	0030	96
08/12/2009	24.650	1715	24.398	24.200	0745	96
08/13/2009	24.380	0130	24.223	23.970	2345	96
08/14/2009	24.890	1730	24.273	23.710	1200	96
08/15/2009	25.670	1745	25.099	24.630	0830	96
08/16/2009	26.010	1600	25.581	25.210	0800	96
08/17/2009	26.870	1745	26.223	25.640	0030	96
08/18/2009	27.730	1700	27.004	26.400	0330	96
08/19/2009	28.150	1530	27.579	27.060	0230	96
08/20/2009	27.950	1700	27.504	27.100	0700	96
08/21/2009	28.020	1615	27.353	26.910	0445	96
08/22/2009	27.280	1400	26.996	26.740	2345	96
08/23/2009	26.750	0100	26.490	24.380	2300	87
08/24/2009	25.110	1700	24.658	24.230	0800	24
08/25/2009	24.680	0100	24.202	23.790	1200	24
08/26/2009	23.960	0200	23.560	23.020	2400	24
08/27/2009	24.010	1615	23.461	22.520	0700	54
08/28/2009	23.530	1430	23.306	22.870	2400	94
08/29/2009	22.860	0015	21.979	20.860	2400	96
08/30/2009	21.100	2400	20.706	20.290	0930	96
08/31/2009	21.110	0030	20.550	20.250	0900	96
AVERAGE	24.613		24.145	23.642		
STD DEV.:	1.932		1.919	1.889		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2009

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2009	23.680	0015	22.759	22.380	1300	96
08/02/2009	23.050	0015	22.633	22.450	0715	96
08/03/2009	23.470	2000	22.853	22.180	0615	96
08/04/2009	23.910	2115	23.408	22.840	0745	96
08/05/2009	24.190	1800	23.834	23.350	0645	96
08/06/2009	24.640	1445	24.221	23.710	0715	96
08/07/2009	24.360	0015	23.783	23.270	2145	96
08/08/2009	24.070	0015	23.565	23.100	0500	96
08/09/2009	23.950	1700	23.687	23.210	0115	96
08/10/2009	23.980	1145	23.636	23.330	2115	96
08/11/2009	24.970	1700	24.269	23.710	0015	96
08/12/2009	25.100	1730	24.654	24.390	0115	96
08/13/2009	24.770	1430	24.506	24.180	2400	96
08/14/2009	24.890	1645	24.564	24.200	0115	96
08/15/2009	26.470	2015	25.544	24.740	0015	96
08/16/2009	27.280	1530	26.570	26.030	0545	96
08/17/2009	27.810	1700	27.082	26.340	0330	96
08/18/2009	27.730	1715	27.267	26.620	1100	84
08/19/2009	28.180	1645	27.776	27.320	1045	96
08/20/2009	28.580	1630	27.685	27.010	0330	96
08/21/2009	28.630	1400	27.705	27.000	0115	96
08/22/2009	27.790	0330	27.314	26.710	2400	96
08/23/2009	27.040	1515	26.657	26.240	2345	96
08/24/2009	27.070	1615	26.555	26.160	0600	96
08/25/2009	26.530	0015	25.900	24.410	0830	96
08/26/2009	25.550	0015	25.114	24.510	2400	96
08/27/2009	24.490	0015	24.146	23.580	2330	96
08/28/2009	23.730	1445	23.387	22.900	2345	96
08/29/2009	22.890	0015	22.068	21.020	2200	96
08/30/2009	21.980	1345	21.268	20.800	2100	96
08/31/2009	21.070	0100	20.639	20.290	0815	96
AVERAGE	25.221		24.679	24.128		
STD DEV.:	2.003		1.962	1.917		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2009

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2009	7.49	2245	6.92	6.18	1745	96
09/02/2009	7.85	0430	6.92	6.08	1345	96
09/03/2009	7.89	0600	7.14	6.20	1745	96
09/04/2009	8.27	0945	6.90	6.20	2400	96
09/05/2009	6.86	1700	6.41	6.03	1800	96
09/06/2009	7.31	1330	6.69	6.01	0815	96
09/07/2009	7.35	1200	6.78	6.10	1730	96
09/08/2009	7.62	0915	7.02	6.19	0515	96
09/09/2009	7.32	0515	6.76	6.04	2345	96
09/10/2009	7.89	0515	6.89	6.08	1730	96
09/11/2009	7.32	0245	6.81	6.47	1445	96
09/12/2009	6.71	0730	6.54	6.38	0330	96
09/13/2009	7.07	2030	6.63	6.45	0100	96
09/14/2009	6.93	0130	6.75	6.47	2030	96
09/15/2009	7.45	1115	6.92	6.63	1845	84
09/16/2009	7.34	0330	6.79	6.30	1430	96
09/17/2009	7.30	2345	6.69	6.45	0345	96
09/18/2009	7.83	0415	6.91	6.50	1500	96
09/19/2009	7.57	0200	6.95	6.19	1800	96
09/20/2009	7.81	0200	6.89	6.55	1545	96
09/21/2009	7.41	2200	7.01	6.69	0100	96
09/22/2009	7.40	1615	6.94	6.62	0830	96
09/23/2009	6.90	1615	6.73	6.59	1215	96
09/24/2009	6.99	0515	6.79	6.47	1700	96
09/25/2009	7.39	1500	7.02	6.45	0215	96
09/26/2009	7.36	1615	6.99	6.74	1745	96
09/27/2009	6.76	1915	6.65	6.55	1315	96
09/28/2009	7.61	1615	6.88	6.54	0730	96
09/29/2009	7.11	1430	6.80	6.59	0030	96
09/30/2009	7.03	1500	6.76	6.57	0330	96
AVERAGE	7.371		6.829	6.377		
STD DEV.:	0.374		0.156	0.222		

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

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2009	7.180	2245	6.809	6.604	0845	96
09/02/2009	7.250	2115	7.077	6.846	1515	96
09/03/2009	7.360	1915	7.195	6.920	1000	96
09/04/2009	7.310	0015	7.079	6.845	2400	96
09/05/2009	6.966	2030	6.813	6.650	0930	96
09/06/2009	6.957	1645	6.867	6.740	1800	96
09/07/2009	6.922	1245	6.846	6.707	1645	96
09/08/2009	7.060	1530	6.910	6.725	2015	96
09/09/2009	6.994	1530	6.891	6.665	2330	96
09/10/2009	6.921	2345	6.796	6.659	1245	96
09/11/2009	6.930	0015	6.821	6.706	2300	96
09/12/2009	6.726	0600	6.679	6.624	2200	96
09/13/2009	6.952	2000	6.721	6.633	0030	96
09/14/2009	7.290	2045	6.913	6.703	0830	96
09/15/2009	7.310	1945	7.219	6.875	0800	84
09/16/2009	7.310	1945	7.225	7.020	1400	96
09/17/2009	7.280	0300	7.022	6.887	2145	96
09/18/2009	7.320	0215	7.043	6.913	2330	96
09/19/2009	7.220	1730	6.943	6.869	0845	96
09/20/2009	7.280	2130	6.988	6.867	0900	96
09/21/2009	7.300	2115	7.032	6.928	0830	96
09/22/2009	7.360	1815	7.075	6.945	1130	96
09/23/2009	7.340	1815	7.072	6.929	0800	96
09/24/2009	7.260	0145	7.080	6.960	1115	96
09/25/2009	7.040	1145	6.987	6.936	0900	96
09/26/2009	7.360	2130	7.103	6.961	1115	96
09/27/2009	7.320	0015	7.065	7.000	1845	96
09/28/2009	7.350	1530	7.113	6.950	0730	96
09/29/2009	7.230	0130	7.049	6.981	2400	96
09/30/2009	6.988	0230	6.950	6.921	2200	96
AVERAGE	7.170		6.980	6.832		
STD DEV.:	0.182		0.142	0.131		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2009

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2009	30.370	1530	27.448	24.280	2400	96
09/02/2009	30.600	1430	26.514	22.940	0445	96
09/03/2009	29.180	1030	26.370	23.910	0615	96
09/04/2009	29.380	1630	26.875	24.860	0830	96
09/05/2009	31.520	1415	28.552	25.520	2400	96
09/06/2009	31.140	1415	27.689	24.570	2400	96
09/07/2009	29.840	1230	27.183	24.420	0130	96
09/08/2009	29.580	2015	26.992	25.820	0845	96
09/09/2009	29.720	2200	27.225	25.290	0545	96
09/10/2009	30.200	1445	26.735	24.030	2400	96
09/11/2009	28.570	1515	26.401	22.500	0445	96
09/12/2009	28.110	0045	28.016	27.920	1115	96
09/13/2009	29.620	1345	28.489	27.040	2045	96
09/14/2009	29.620	1600	28.181	24.600	2400	96
09/15/2009	29.680	1300	26.249	23.510	0315	84
09/16/2009	29.490	1330	26.101	23.850	2200	96
09/17/2009	29.120	1330	27.958	25.410	2400	96
09/18/2009	28.380	1300	26.802	23.310	0415	96
09/19/2009	26.890	1515	26.317	25.660	0845	96
09/20/2009	28.470	1545	26.476	24.540	2100	96
09/21/2009	30.170	1615	27.497	24.670	2130	96
09/22/2009	28.680	2400	26.874	24.260	2100	96
09/23/2009	28.850	0100	27.526	25.470	2200	96
09/24/2009	30.970	1515	29.178	26.420	0615	96
09/25/2009	30.180	0015	28.188	27.080	1900	96
09/26/2009	28.680	1430	26.199	22.820	2230	96
09/27/2009	29.440	0230	28.476	27.560	0015	96
09/28/2009	29.080	0100	26.505	23.650	2215	96
09/29/2009	28.470	1415	27.689	26.200	0015	96
09/30/2009	27.570	0015	27.005	26.250	2130	96
AVERAGE	29.386		27.257	24.945		
STD DEV.:	1.035		0.835	1.415		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2009

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2009	8.92	1345	8.80	8.68	0700	96
09/02/2009	8.79	0215	8.64	8.47	2100	96
09/03/2009	8.61	0315	8.44	8.14	2345	96
09/04/2009	8.68	0945	8.25	7.86	2400	96
09/05/2009	8.28	1300	7.98	7.67	2300	96
09/06/2009	8.40	1615	7.97	7.64	0115	96
09/07/2009	8.40	1245	7.97	7.65	0515	96
09/08/2009	8.44	1600	7.96	7.52	0900	96
09/09/2009	8.64	1730	8.00	7.46	0430	96
09/10/2009	8.74	1600	8.15	7.44	0415	96
09/11/2009	8.99	1630	8.26	7.48	0400	96
09/12/2009	8.76	0030	8.31	7.87	1015	96
09/13/2009	9.07	1545	8.51	8.08	0645	96
09/14/2009	9.43	1345	8.17	7.60	2330	96
09/15/2009	8.51	1715	7.84	7.28	0630	96
09/16/2009	8.40	1730	7.70	7.20	0845	96
09/17/2009	7.95	1545	7.64	7.44	0930	96
09/18/2009	8.42	1545	7.93	7.35	0900	96
09/19/2009	8.63	1715	8.09	7.53	2300	96
09/20/2009	8.47	1415	7.76	7.08	0230	96
09/21/2009	8.76	1445	7.90	7.05	0315	96
09/22/2009	8.76	1515	8.02	7.32	0330	96
09/23/2009	8.65	2100	7.95	7.50	0315	96
09/24/2009	8.96	1645	8.02	7.22	0545	96
09/25/2009	8.96	1645	8.02	7.11	0345	96
09/26/2009	8.96	1645	7.98	7.14	0545	96
09/27/2009	8.55	1730	7.68	7.12	2345	96
09/28/2009	9.19	1600	8.24	7.10	0045	96
09/29/2009	8.87	1615	8.45	8.03	0030	96
09/30/2009	8.66	1700	8.02	7.57	2400	96
AVERAGE	8.695		8.088	7.553		
STD DEV.:	0.298		0.278	0.410		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2009

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2009	6.854	2400	6.838	6.823	0030	96
09/02/2009	6.872	0345	6.810	6.772	1915	96
09/03/2009	6.833	0430	6.803	6.774	1230	96
09/04/2009	6.896	0945	6.799	6.761	2045	96
09/05/2009	6.835	1230	6.786	6.756	0515	96
09/06/2009	6.925	1245	6.870	6.770	0015	96
09/07/2009	6.930	1500	6.880	6.844	0715	96
09/08/2009	6.936	1630	6.875	6.840	0930	96
09/09/2009	6.992	1915	6.886	6.795	0445	96
09/10/2009	7.090	1900	6.921	6.804	0630	96
09/11/2009	7.030	2130	6.965	6.917	0845	96
09/12/2009	7.010	0015	6.943	6.879	0945	96
09/13/2009	6.989	1845	6.940	6.899	0915	96
09/14/2009	7.080	1745	6.967	6.902	0645	96
09/15/2009	7.130	1815	7.001	6.909	1000	96
09/16/2009	7.110	1930	7.033	6.963	0945	96
09/17/2009	7.110	0130	7.042	6.997	2145	96
09/18/2009	7.110	0400	7.054	7.010	2130	96
09/19/2009	7.280	1745	7.166	7.060	0015	96
09/20/2009	7.250	1015	7.173	7.090	2345	96
09/21/2009	7.230	1115	7.105	7.020	2315	96
09/22/2009	7.150	1130	7.054	6.968	0345	96
09/23/2009	7.110	1215	7.026	6.949	0515	96
09/24/2009	7.190	1715	7.055	6.923	0630	96
09/25/2009	7.310	1815	7.130	6.997	0730	96
09/26/2009	7.310	1830	7.177	7.050	0415	96
09/27/2009	7.160	1945	7.107	7.050	0500	96
09/28/2009	7.170	1815	7.063	6.997	1415	96
09/29/2009	7.110	1915	6.998	6.928	0545	96
09/30/2009	7.160	1915	7.036	6.945	0700	96
AVERAGE	7.072		6.983	6.913		
STD DEV.:	0.141		0.117	0.101		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2009

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2009	20.590	1815	20.300	19.910	0900	96
09/02/2009	20.570	1745	20.252	19.780	0915	96
09/03/2009	21.020	1900	20.622	20.230	0815	96
09/04/2009	22.090	1700	21.382	20.690	0900	96
09/05/2009	22.480	1615	21.924	21.450	0245	96
09/06/2009	22.260	1600	21.645	21.250	0700	96
09/07/2009	21.390	1615	20.954	20.430	0730	96
09/08/2009	21.400	1645	20.704	20.050	0815	96
09/09/2009	21.760	1730	20.924	20.240	0700	96
09/10/2009	21.310	1545	20.721	20.170	0915	96
09/11/2009	20.570	0015	19.875	19.540	0945	96
09/12/2009	19.520	0015	19.109	18.900	0915	96
09/13/2009	20.330	1615	19.609	19.000	0700	96
09/14/2009	20.830	1645	20.124	19.530	0745	96
09/15/2009	20.830	1615	20.198	19.540	0815	96
09/16/2009	20.360	0015	19.826	19.560	2400	96
09/17/2009	19.540	0015	19.013	18.760	2400	96
09/18/2009	19.110	1615	18.671	18.310	0830	96
09/19/2009	18.380	0015	17.983	17.670	1030	96
09/20/2009	18.400	1745	17.903	17.500	1030	96
09/21/2009	18.420	1730	17.831	17.390	0900	96
09/22/2009	18.260	1645	18.017	17.800	0115	96
09/23/2009	18.900	1745	18.491	18.040	0015	96
09/24/2009	19.720	1700	19.100	18.650	0115	96
09/25/2009	19.460	1730	19.026	18.760	0830	96
09/26/2009	18.860	1630	18.600	18.170	2400	96
09/27/2009	18.160	0015	17.673	17.340	2400	96
09/28/2009	18.390	1715	17.710	17.210	0700	96
09/29/2009	18.740	1715	18.124	17.570	0830	96
09/30/2009	18.230	0015	17.741	17.060	2400	96
AVERAGE	19.996		19.468	19.017		
STD DEV.:	1.358		1.304	1.263		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2009

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2009	21.010	1600	20.506	20.020	0815	96
09/02/2009	21.100	1630	20.491	19.840	0745	96
09/03/2009	21.450	1545	20.909	20.400	0745	96
09/04/2009	22.450	1700	21.603	20.950	0200	96
09/05/2009	23.030	1600	22.107	21.430	0615	96
09/06/2009	23.130	1545	21.818	21.060	0700	96
09/07/2009	21.790	1400	21.072	20.340	0830	96
09/08/2009	21.610	1800	20.906	20.280	0900	96
09/09/2009	21.770	1715	21.032	20.340	0915	96
09/10/2009	21.980	1730	20.960	20.240	0800	96
09/11/2009	20.740	0015	20.056	19.680	1045	96
09/12/2009	20.000	0030	19.277	19.010	1230	96
09/13/2009	20.860	1430	19.833	19.070	0830	96
09/14/2009	21.530	1815	20.358	19.550	0830	96
09/15/2009	21.250	1845	20.570	19.700	0830	84
09/16/2009	21.890	1545	20.305	19.710	2400	96
09/17/2009	21.160	1415	19.537	18.940	2400	96
09/18/2009	19.750	1400	19.123	18.570	0930	96
09/19/2009	19.190	1715	18.561	18.100	2245	96
09/20/2009	20.750	1645	18.630	17.580	0645	96
09/21/2009	20.700	1645	18.676	17.710	0630	96
09/22/2009	21.030	1300	18.962	17.760	0730	96
09/23/2009	22.340	1400	19.143	18.150	0745	96
09/24/2009	20.920	0045	19.786	18.790	0715	96
09/25/2009	20.560	0600	19.584	19.130	2315	96
09/26/2009	21.490	1530	19.782	18.600	0745	96
09/27/2009	19.740	1830	18.227	17.790	2400	96
09/28/2009	21.970	1600	18.873	17.490	0700	96
09/29/2009	18.650	1430	18.009	17.580	0330	96
09/30/2009	18.390	0015	17.698	17.230	2215	96
AVERAGE	21.074		19.880	19.168		
STD DEV.:	1.140		1.155	1.195		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2009

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2009	7.31	0815	6.97	6.73	1630	96
10/02/2009	7.19	1415	6.93	6.71	1300	96
10/03/2009	7.66	1330	7.13	6.85	0015	96
10/04/2009	7.68	1115	7.13	6.85	2145	96
10/05/2009	7.53	1445	7.13	6.78	0815	96
10/06/2009	7.58	1330	7.18	6.84	0715	96
10/07/2009	7.38	1330	7.05	6.84	2015	96
10/08/2009	7.58	2330	7.18	6.91	2000	96
10/09/2009	7.67	0200	7.22	6.88	2115	96
10/10/2009	7.79	1315	7.39	6.87	0500	96
10/11/2009	7.83	1045	7.45	6.90	1745	96
10/12/2009	8.15	1000	7.43	6.91	1400	96
10/13/2009	8.42	0515	8.06	7.37	2400	96
10/14/2009	8.45	1230	7.72	7.25	2030	96
10/15/2009	8.35	1145	7.85	7.23	0700	96
10/16/2009	8.67	1315	8.31	8.05	0545	96
10/17/2009	8.68	1530	8.24	7.84	0600	96
10/18/2009	8.79	1315	8.39	7.93	0300	96
10/19/2009	9.11	1545	8.57	7.97	0745	96
10/20/2009	9.08	1530	8.62	7.91	0800	96
10/21/2009	9.14	1145	8.62	8.30	0645	96
10/22/2009	8.98	2145	8.43	7.59	1145	96
10/23/2009	8.97	1330	8.40	7.59	0615	96
10/24/2009	8.60	2230	8.20	7.97	0630	96
10/25/2009	8.73	1145	8.12	7.59	2215	96
10/26/2009	9.44	1415	8.39	7.38	0545	96
10/27/2009	8.82	1230	8.45	8.07	1800	96
10/28/2009	9.38	1300	8.63	8.12	0745	96
10/29/2009	9.75	2245	8.79	8.14	2015	96
10/30/2009	10.67	2230	9.50	8.71	0145	96
10/31/2009	10.85	1800	10.11	8.95	2215	96
AVERAGE	8.524		7.987	7.484		
STD DEV.:	0.922		0.782	0.633		

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

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2009	6.966	1400	6.936	6.899	2400	96
10/02/2009	6.956	1345	6.922	6.888	0845	96
10/03/2009	6.995	1445	6.943	6.909	0045	96
10/04/2009	6.999	1345	6.950	6.913	2400	96
10/05/2009	6.984	1645	6.926	6.866	1100	96
10/06/2009	6.952	1530	6.889	6.845	2345	96
10/07/2009	6.910	1745	6.858	6.793	2315	96
10/08/2009	6.905	1730	6.840	6.786	0130	96
10/09/2009	6.866	0400	6.810	6.736	2315	96
10/10/2009	6.751	0445	6.714	6.678	0900	96
10/11/2009	6.752	1630	6.695	6.658	2330	96
10/12/2009	6.710	1530	6.663	6.623	2315	96
10/13/2009	6.840	1915	6.718	6.622	0630	96
10/14/2009	6.852	1700	6.790	6.727	0945	96
10/15/2009	6.958	1415	6.873	6.795	0730	96
10/16/2009	6.960	1645	6.898	6.853	0930	96
10/17/2009	6.977	1645	6.917	6.863	1115	96
10/18/2009	6.957	1930	6.908	6.855	1345	96
10/19/2009	6.988	1245	6.942	6.887	0930	96
10/20/2009	6.997	1430	6.951	6.918	0215	96
10/21/2009	7.020	1415	6.958	6.916	1145	96
10/22/2009	6.999	1630	6.956	6.892	2200	96
10/23/2009	7.020	1515	6.974	6.922	0215	96
10/24/2009	7.040	2000	7.011	6.973	0015	96
10/25/2009	7.030	0015	6.984	6.932	2330	96
10/26/2009	7.010	1015	6.859	6.739	2045	96
10/27/2009	6.805	1615	6.758	6.728	2030	96
10/28/2009	6.822	1515	6.777	6.743	2300	96
10/29/2009	6.812	0945	6.733	6.630	1900	96
10/30/2009	6.826	2330	6.717	6.608	1130	96
10/31/2009	6.881	2400	6.819	6.766	1215	96
AVERAGE	6.921		6.861	6.805		
STD DEV.:	0.093		0.099	0.108		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2009

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2009	26.930	1330	26.527	26.240	2300	96
10/02/2009	27.440	1615	26.933	26.280	0815	96
10/03/2009	27.190	0045	25.117	23.220	2400	96
10/04/2009	24.440	1600	23.662	23.140	0115	96
10/05/2009	23.980	1430	23.535	23.030	2345	96
10/06/2009	23.560	1430	23.201	22.660	0800	96
10/07/2009	24.640	1430	23.623	22.770	1015	96
10/08/2009	23.260	0115	22.265	21.660	1130	96
10/09/2009	23.370	2315	22.691	22.080	1030	96
10/10/2009	23.350	0015	22.020	20.700	2400	96
10/11/2009	22.130	1345	21.374	20.640	0115	96
10/12/2009	21.790	1445	21.054	20.290	0800	96
10/13/2009	21.780	1545	20.922	20.410	0945	96
10/14/2009	20.910	0315	20.201	19.260	2400	96
10/15/2009	20.620	1630	19.842	19.040	1000	96
10/16/2009	20.310	0015	19.671	18.860	1215	96
10/17/2009	19.930	1645	19.395	18.790	0830	96
10/18/2009	19.520	0015	18.555	17.410	1545	96
10/19/2009	20.050	1515	19.007	18.190	0945	96
10/20/2009	20.000	1545	19.127	17.970	0800	96
10/21/2009	20.640	1515	19.773	18.980	0845	96
10/22/2009	20.570	1715	20.085	18.710	1215	96
10/23/2009	20.630	1530	19.753	18.850	0915	96
10/24/2009	20.520	0415	20.065	19.440	1330	96
10/25/2009	20.010	0145	19.209	18.140	2400	96
10/26/2009	18.600	1500	18.071	17.000	2400	96
10/27/2009	16.970	0015	14.791	12.320	1645	96
10/28/2009	13.920	0015	12.794	11.900	1600	96
10/29/2009	12.620	1715	11.790	11.250	2245	96
10/30/2009	11.240	0045	10.781	10.070	2330	96
10/31/2009	11.250	2015	10.703	10.140	0115	96
AVERAGE	20.715		19.888	19.014		
STD DEV.:	4.131		4.134	4.214		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2009

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2009	8.62	1145	8.05	7.64	0100	96
10/02/2009	8.69	1415	8.06	7.81	0230	96
10/03/2009	8.57	0015	8.00	7.79	2330	96
10/04/2009	8.20	0130	7.83	7.69	2200	96
10/05/2009	8.91	1315	8.18	7.63	0245	96
10/06/2009	8.50	0230	8.11	7.70	2145	96
10/07/2009	8.44	1415	7.94	7.61	0145	96
10/08/2009	8.54	1545	8.31	7.94	0015	96
10/09/2009	8.79	1430	8.56	8.40	2330	96
10/10/2009	8.79	1245	8.59	8.41	0845	96
10/11/2009	9.54	1315	9.12	8.61	0015	96
10/12/2009	9.39	1630	9.10	8.83	0100	96
10/13/2009	10.84	1700	9.76	9.03	0500	96
10/14/2009	11.12	1300	10.39	9.91	0515	96
10/15/2009	11.49	1145	10.21	9.76	2000	96
10/16/2009	10.37	1315	10.08	9.82	0115	96
10/17/2009	10.51	1500	9.96	9.57	2100	96
10/18/2009	10.71	1445	10.16	9.71	0700	96
10/19/2009	10.60	1115	9.91	9.48	2345	96
10/20/2009	10.13	1600	9.55	8.85	0900	96
10/21/2009	10.42	1215	9.57	8.90	2330	96
10/22/2009	10.47	2330	9.30	8.27	1215	96
10/23/2009	10.71	1545	10.08	8.79	0645	96
10/24/2009	10.53	2245	10.17	9.86	1915	96
10/25/2009	11.53	2330	10.38	9.93	0445	96
10/26/2009	12.24	1300	11.54	10.96	2145	96
10/27/2009	11.12	0030	10.75	10.17	2345	96
10/28/2009	10.32	0030	9.89	9.48	2145	96
10/29/2009	9.71	2300	9.53	9.32	0430	96
10/30/2009	10.79	2245	10.13	9.52	0200	96
10/31/2009	10.77	1230	10.51	9.95	2400	96
AVERAGE	9.979		9.410	8.946		
STD DEV.:	1.112		0.998	0.930		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2009

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2009	7.140	1615	7.070	6.983	1015	96
10/02/2009	7.200	1630	7.119	7.050	1000	96
10/03/2009	7.190	0615	7.098	7.050	1645	96
10/04/2009	7.090	0330	7.002	6.920	2315	96
10/05/2009	7.060	1200	6.961	6.920	0300	96
10/06/2009	7.000	0600	6.963	6.924	2400	96
10/07/2009	6.990	1445	6.936	6.900	0545	96
10/08/2009	6.997	1000	6.943	6.900	0100	96
10/09/2009	6.914	0215	6.856	6.806	2015	96
10/10/2009	6.880	1945	6.827	6.794	0830	96
10/11/2009	6.939	1230	6.867	6.837	1300	96
10/12/2009	6.881	0015	6.817	6.780	2030	96
10/13/2009	6.846	1500	6.815	6.782	0330	96
10/14/2009	6.923	2345	6.871	6.831	0200	96
10/15/2009	7.050	1145	6.909	6.868	1730	96
10/16/2009	6.939	1600	6.912	6.879	0215	96
10/17/2009	6.989	2000	6.944	6.899	2215	96
10/18/2009	6.963	1715	6.935	6.912	0945	96
10/19/2009	6.957	0315	6.935	6.911	1645	96
10/20/2009	6.988	0900	6.946	6.921	2015	96
10/21/2009	6.971	2000	6.929	6.900	1130	96
10/22/2009	6.985	1215	6.919	6.871	1030	96
10/23/2009	7.040	1230	6.936	6.883	1345	96
10/24/2009	6.963	0915	6.937	6.908	1945	96
10/25/2009	6.926	0015	6.879	6.834	1845	96
10/26/2009	6.925	0215	6.718	6.529	2400	96
10/27/2009	6.561	1715	6.527	6.481	0615	96
10/28/2009	6.700	2145	6.609	6.548	0145	96
10/29/2009	6.768	2045	6.721	6.673	0015	96
10/30/2009	6.811	2030	6.786	6.748	0115	96
10/31/2009	6.822	2330	6.793	6.769	0515	96
AVERAGE	6.949		6.886	6.839		
STD DEV.:	0.132		0.126	0.133		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2009

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2009	17.040	0015	16.344	15.740	2400	96
10/02/2009	15.710	0015	15.225	14.880	0900	96
10/03/2009	15.530	2400	15.229	15.030	1000	96
10/04/2009	16.040	1645	15.620	15.360	0800	96
10/05/2009	15.550	1600	15.339	15.160	2215	96
10/06/2009	15.220	1645	15.063	14.810	0915	96
10/07/2009	14.980	1345	14.782	14.510	2400	96
10/08/2009	14.500	0015	14.225	13.980	2400	96
10/09/2009	13.970	0015	13.654	13.410	2315	96
10/10/2009	13.940	1600	13.628	13.410	0015	96
10/11/2009	13.710	0115	13.248	12.710	2400	96
10/12/2009	12.700	0030	12.504	12.180	2345	96
10/13/2009	12.360	1400	12.194	11.820	2400	96
10/14/2009	11.800	0015	11.315	10.920	2400	96
10/15/2009	10.920	0100	10.629	10.140	2400	96
10/16/2009	10.140	0015	9.866	9.450	2400	96
10/17/2009	9.650	1400	9.386	9.130	0745	96
10/18/2009	9.320	0015	9.010	8.610	2400	96
10/19/2009	8.960	1530	8.610	8.270	0815	96
10/20/2009	9.200	1645	8.727	8.360	0815	96
10/21/2009	9.620	1615	9.118	8.590	0845	96
10/22/2009	10.140	2030	9.724	9.460	0530	96
10/23/2009	10.010	0015	9.781	9.530	0715	96
10/24/2009	9.610	0015	9.387	9.270	1830	96
10/25/2009	9.890	1500	9.568	9.360	0015	96
10/26/2009	9.480	0015	9.385	9.280	1000	96
10/27/2009	9.510	2330	9.350	9.240	0915	96
10/28/2009	9.510	0015	9.416	9.280	2330	96
10/29/2009	9.700	2300	9.426	9.210	0800	96
10/30/2009	9.760	2245	9.651	9.530	0800	96
10/31/2009	10.820	2345	10.092	9.650	0545	96
AVERAGE	11.913		11.597	11.299		
STD DEV.:	2.615		2.586	2.573		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2009

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2009	17.970	0045	16.995	16.090	1215	96
10/02/2009	16.130	0030	15.809	15.430	2400	96
10/03/2009	16.060	0930	15.471	15.340	0400	96
10/04/2009	16.260	1700	15.881	15.510	0015	96
10/05/2009	15.980	1415	15.721	15.420	2400	96
10/06/2009	15.630	1430	15.410	15.190	0845	96
10/07/2009	15.370	1630	15.130	14.820	2400	96
10/08/2009	14.780	0030	14.562	14.360	2345	96
10/09/2009	14.330	0015	14.074	13.870	2315	96
10/10/2009	14.320	1500	14.006	13.800	0315	96
10/11/2009	13.820	0015	13.581	12.940	2400	96
10/12/2009	13.170	1430	12.830	12.510	0830	96
10/13/2009	12.730	1345	12.470	12.080	2400	96
10/14/2009	12.070	0030	11.672	11.190	2400	96
10/15/2009	11.160	0015	10.902	10.510	2345	96
10/16/2009	10.520	0030	10.169	9.740	2400	96
10/17/2009	10.250	1615	9.703	9.220	0830	96
10/18/2009	9.690	0045	9.260	8.970	2330	96
10/19/2009	9.450	1615	9.005	8.600	0900	96
10/20/2009	9.780	2045	8.947	8.350	1000	96
10/21/2009	10.290	2115	9.432	8.940	0900	96
10/22/2009	10.920	2330	10.035	9.690	0945	96
10/23/2009	10.530	0015	10.073	9.690	0800	96
10/24/2009	10.220	0015	9.733	9.410	2045	96
10/25/2009	10.060	1600	9.720	9.370	0600	96
10/26/2009	9.860	0830	9.503	9.080	2245	91
10/27/2009	9.240	0015	8.933	8.770	1100	96
10/28/2009	9.060	0215	8.837	8.560	1700	96
10/29/2009	8.990	1815	8.755	8.410	0745	96
10/30/2009	9.850	1500	9.369	8.820	0830	96
10/31/2009	10.780	2400	10.194	9.740	0615	96
AVERAGE	12.235		11.812	11.433		
STD DEV.:	2.718		2.743	2.754		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2009

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2009	10.32	0015	9.20	8.62	1415	96
11/02/2009	10.04	2400	9.36	8.50	1330	96
11/03/2009	10.33	0615	9.70	9.07	2215	96
11/04/2009	10.09	1015	9.29	8.64	1915	96
11/05/2009	9.95	1915	9.07	8.43	1245	96
11/06/2009	10.14	1130	8.99	7.61	2330	96
11/07/2009	9.45	1630	8.47	7.64	0030	96
11/08/2009	9.72	1400	8.92	8.29	1300	96
11/09/2009	9.73	1130	8.88	8.29	0930	96
11/10/2009	9.41	1415	8.88	7.60	0530	96
11/11/2009	9.27	1830	8.95	8.04	2100	96
11/12/2009	9.35	1400	8.74	8.08	0030	96
11/13/2009	9.51	1330	9.13	8.51	0100	96
11/14/2009	9.19	0400	8.79	8.47	2015	96
11/15/2009	9.07	1030	8.63	8.14	1300	96
11/16/2009	9.49	1515	9.02	8.42	0345	96
11/17/2009	9.12	1015	8.70	8.40	2130	96
11/18/2009	9.67	1300	8.89	8.29	1645	96
11/19/2009	9.91	1345	8.97	8.54	0945	96
11/20/2009	9.17	1230	8.78	8.44	1115	96
11/21/2009	9.51	1315	8.85	8.45	0415	96
11/22/2009	9.49	1930	8.89	8.53	0100	96
11/23/2009	10.69	1330	9.74	8.82	0015	96
11/24/2009	10.52	1230	9.79	9.34	2015	96
11/25/2009	9.86	0015	9.38	9.04	2315	96
11/26/2009	9.57	0945	9.09	8.73	2330	96
11/27/2009	10.04	1500	9.45	8.65	0445	96
11/28/2009	10.32	1015	9.89	9.20	2315	96
11/29/2009	9.56	1715	8.93	8.64	0400	96
11/30/2009	10.64	1700	9.56	8.62	1000	96
AVERAGE	9.771		9.098	8.468		
STD DEV.:	0.462		0.365	0.417		

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

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2009	6.867	0030	6.762	6.699	2100	96
11/02/2009	6.944	2400	6.818	6.711	0015	96
11/03/2009	7.020	1230	6.911	6.855	2345	96
11/04/2009	6.887	1545	6.858	6.786	1015	96
11/05/2009	6.902	2100	6.865	6.832	0730	96
11/06/2009	6.956	1900	6.898	6.858	0345	96
11/07/2009	6.955	1645	6.915	6.859	0715	96
11/08/2009	6.977	0915	6.935	6.898	1400	96
11/09/2009	7.010	1500	6.950	6.913	0100	96
11/10/2009	6.964	1115	6.931	6.890	1445	96
11/11/2009	6.957	1545	6.927	6.900	2200	96
11/12/2009	7.020	1515	6.966	6.935	0030	96
11/13/2009	7.040	1415	6.977	6.923	0100	96
11/14/2009	7.030	1415	6.979	6.943	0045	96
11/15/2009	6.967	0015	6.897	6.848	1815	96
11/16/2009	6.977	1230	6.887	6.829	1430	96
11/17/2009	6.842	0015	6.806	6.759	2300	96
11/18/2009	6.760	0045	6.724	6.645	2215	96
11/19/2009	6.704	1630	6.661	6.627	2145	96
11/20/2009	6.723	1700	6.673	6.627	0115	96
11/21/2009	6.798	2230	6.683	6.611	0600	96
11/22/2009	6.811	1015	6.777	6.743	0130	96
11/23/2009	6.837	0400	6.800	6.773	0715	96
11/24/2009	6.804	0045	6.784	6.743	1230	96
11/25/2009	6.828	1200	6.797	6.749	1900	96
11/26/2009	6.869	2400	6.828	6.767	0230	96
11/27/2009	6.946	2145	6.893	6.862	0030	96
11/28/2009	6.978	2145	6.928	6.816	1015	96
11/29/2009	6.995	1245	6.958	6.919	2015	96
11/30/2009	6.940	0630	6.909	6.859	2315	96
AVERAGE	6.910		6.856	6.806		
STD DEV.:	0.094		0.093	0.098		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2009

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2009	12.580	1430	11.767	10.810	0015	96
11/02/2009	11.520	1315	10.924	10.460	2200	96
11/03/2009	19.400	1845	17.084	10.460	0015	96
11/04/2009	19.360	0330	19.111	18.570	2315	96
11/05/2009	19.700	0400	19.201	18.700	1915	96
11/06/2009	19.690	0215	18.907	18.120	1915	96
11/07/2009	19.420	0500	18.369	17.420	2400	96
11/08/2009	17.480	0400	16.909	15.880	2400	96
11/09/2009	18.300	2300	16.697	15.480	0800	96
11/10/2009	18.300	0015	17.520	16.600	2400	96
11/11/2009	16.700	1330	16.405	15.420	2315	96
11/12/2009	16.910	1430	16.453	15.700	0015	96
11/13/2009	17.250	1845	16.267	15.320	0830	96
11/14/2009	17.560	2400	17.146	16.480	1215	96
11/15/2009	18.540	1330	17.830	16.980	2400	96
11/16/2009	16.970	0015	16.171	15.380	2400	96
11/17/2009	16.340	1445	15.916	15.380	0015	96
11/18/2009	16.840	1445	15.828	15.310	0815	96
11/19/2009	16.740	1545	16.020	15.470	0900	96
11/20/2009	17.990	1500	16.715	16.180	0045	96
11/21/2009	16.350	0330	14.168	11.360	2245	96
11/22/2009	12.620	1445	11.555	10.580	2400	96
11/23/2009	11.440	1700	10.883	10.470	0630	96
11/24/2009	11.250	0015	11.096	10.890	0515	96
11/25/2009	12.460	2345	11.540	11.080	0630	96
11/26/2009	12.480	0045	11.863	11.640	0815	96
11/27/2009	11.780	0015	11.625	11.390	2315	96
11/28/2009	11.810	0530	11.340	10.940	2345	96
11/29/2009	11.290	1445	11.014	10.890	0415	96
11/30/2009	11.000	0215	10.719	10.600	2015	96
AVERAGE	15.669		14.901	13.999		
STD DEV.:	3.127		2.971	2.911		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2009

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2009	10.11	1515	9.93	9.59	0815	96
11/02/2009	10.60	1500	9.80	9.55	1715	96
11/03/2009	11.22	1345	10.25	9.51	0200	96
11/04/2009	10.92	1445	10.52	9.85	2115	96
11/05/2009	10.63	0330	10.22	9.89	2115	96
11/06/2009	10.54	1645	10.12	9.78	0415	96
11/07/2009	10.34	1115	10.02	9.74	2300	96
11/08/2009	10.03	1500	9.75	9.40	2215	96
11/09/2009	11.13	1500	10.13	9.31	0215	96
11/10/2009	10.87	0030	10.67	10.40	2330	96
11/11/2009	10.48	1715	10.34	10.19	2330	96
11/12/2009	10.67	0645	10.39	10.16	0030	96
11/13/2009	10.71	1045	10.47	10.21	0245	96
11/14/2009	10.60	2000	10.39	10.23	0900	96
11/15/2009	11.31	2345	10.74	10.16	0500	96
11/16/2009	11.85	1445	11.61	11.34	0015	96
11/17/2009	11.85	0715	11.74	11.57	2345	96
11/18/2009	11.66	0030	11.41	11.17	2345	96
11/19/2009	11.21	0015	11.05	10.90	0615	96
11/20/2009	11.37	0430	11.17	10.64	1745	96
11/21/2009	11.85	2400	11.61	11.13	0030	96
11/22/2009	12.43	1900	12.25	11.86	0015	96
11/23/2009	12.37	0100	12.08	11.60	1245	96
11/24/2009	11.89	0100	11.69	11.39	2330	96
11/25/2009	11.47	0130	11.31	11.12	2400	96
11/26/2009	11.23	0615	11.08	10.89	2345	96
11/27/2009	11.03	1245	10.91	10.77	2300	96
11/28/2009	11.07	1145	10.93	10.78	0100	96
11/29/2009	11.53	2130	11.30	11.00	0015	96
11/30/2009	11.69	1230	11.58	11.49	0030	96
AVERAGE	11.155		10.849	10.521		
STD DEV.:	0.624		0.701	0.751		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2009

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2009	6.816	0200	6.777	6.754	0930	96
11/02/2009	7.010	1445	6.818	6.776	0215	96
11/03/2009	6.964	1630	6.835	6.770	1345	96
11/04/2009	6.910	1115	6.854	6.789	1200	96
11/05/2009	6.887	0215	6.860	6.838	1315	96
11/06/2009	6.891	2200	6.869	6.849	1615	96
11/07/2009	6.931	2015	6.905	6.879	0400	96
11/08/2009	6.966	2215	6.932	6.911	0215	96
11/09/2009	6.979	1030	6.934	6.871	1415	96
11/10/2009	6.943	1230	6.925	6.908	1345	96
11/11/2009	6.989	2230	6.954	6.915	0330	96
11/12/2009	7.020	2145	6.993	6.974	0230	96
11/13/2009	7.060	2030	7.021	6.999	1530	96
11/14/2009	7.040	0015	7.002	6.959	2345	96
11/15/2009	6.953	0015	6.869	6.834	1330	96
11/16/2009	6.905	1430	6.833	6.808	1500	96
11/17/2009	6.882	1030	6.851	6.823	2245	96
11/18/2009	6.841	0245	6.814	6.770	2300	96
11/19/2009	6.886	0400	6.783	6.758	1300	96
11/20/2009	6.813	1730	6.784	6.743	2400	96
11/21/2009	6.792	0500	6.751	6.703	0645	96
11/22/2009	6.786	2345	6.763	6.750	0215	96
11/23/2009	6.899	1200	6.797	6.770	2345	96
11/24/2009	6.776	2330	6.760	6.745	1145	96
11/25/2009	6.804	2345	6.786	6.769	0045	96
11/26/2009	6.833	2345	6.811	6.797	1115	96
11/27/2009	6.874	2330	6.846	6.824	0115	96
11/28/2009	6.938	2345	6.906	6.866	0015	96
11/29/2009	6.955	0445	6.930	6.912	1830	96
11/30/2009	6.921	0100	6.912	6.899	1230	96
AVERAGE	6.909		6.862	6.832		
STD DEV.:	0.078		0.076	0.077		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2009

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM		DAILY AVERAGE	MINIMUM		#of INT.
	(PARAM)	TIME		(PARAM)	TIME	
11/01/2009	11.180	1545	10.965	10.770	0845	96
11/02/2009	11.110	0015	10.761	10.620	1915	96
11/03/2009	10.680	0015	10.203	10.010	2215	96
11/04/2009	10.020	0015	9.628	9.430	1115	96
11/05/2009	9.580	0130	9.294	9.050	2315	96
11/06/2009	9.060	0015	8.845	8.560	2115	96
11/07/2009	8.650	0100	8.363	8.170	2315	96
11/08/2009	8.560	1715	8.298	8.120	0800	96
11/09/2009	8.510	1900	8.363	8.180	1145	96
11/10/2009	9.000	1500	8.772	8.450	0015	96
11/11/2009	9.050	1630	8.965	8.890	2345	96
11/12/2009	8.870	0015	8.548	8.290	2400	96
11/13/2009	8.300	0015	8.043	7.830	2400	96
11/14/2009	8.560	2400	7.933	7.810	0315	96
11/15/2009	8.920	1430	8.661	8.390	2300	96
11/16/2009	8.710	1530	8.518	8.350	0345	96
11/17/2009	8.540	0015	8.196	8.020	1130	96
11/18/2009	8.260	0015	7.984	7.780	2130	96
11/19/2009	7.800	0015	7.449	7.280	1115	88
11/20/2009	7.640	1600	7.557	7.410	1330	43
11/21/2009	7.690	2145	7.509	7.240	1200	96
11/22/2009	7.620	0015	7.103	6.836	1845	96
11/23/2009	7.120	2345	6.978	6.885	0930	96
11/24/2009	7.460	1700	7.279	7.120	0015	96
11/25/2009	7.660	2315	7.483	7.370	0715	96
11/26/2009	7.970	1645	7.806	7.670	0015	96
11/27/2009	7.950	0015	7.871	7.810	1030	96
11/28/2009	7.810	0015	7.570	7.390	1115	96
11/29/2009	7.410	0015	7.139	7.010	1915	96
11/30/2009	7.030	0030	6.804	6.550	2400	96
AVERAGE	8.557		8.296	8.110		
STD DEV.:	1.087		1.057	1.051		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2009

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2009	11.510	1315	11.139	10.780	0015	96
11/02/2009	11.160	0015	10.827	10.600	2245	96
11/03/2009	11.360	1515	11.106	10.600	0030	96
11/04/2009	11.160	0015	10.799	10.420	1215	96
11/05/2009	10.680	0530	10.505	10.220	2400	96
11/06/2009	10.250	0445	9.919	9.460	1715	96
11/07/2009	9.980	1145	9.634	9.340	2345	96
11/08/2009	9.970	1215	9.536	9.320	2400	96
11/09/2009	9.950	1315	9.546	9.180	0730	96
11/10/2009	10.240	1330	9.982	9.740	0315	96
11/11/2009	10.160	0945	9.977	9.710	2400	96
11/12/2009	10.000	1400	9.638	9.290	2300	96
11/13/2009	9.490	1515	9.182	8.970	0845	96
11/14/2009	9.310	2400	9.058	8.790	1930	96
11/15/2009	9.950	1515	9.665	9.310	0015	96
11/16/2009	9.980	1945	9.788	9.550	0645	96
11/17/2009	9.900	1200	9.661	9.460	2115	96
11/18/2009	9.630	1130	9.285	8.970	2315	96
11/19/2009	9.050	1200	8.825	8.460	0730	96
11/20/2009	9.470	1415	9.089	8.810	0015	96
11/21/2009	9.710	2300	9.409	9.140	0145	96
11/22/2009	9.510	0130	8.986	8.670	2330	96
11/23/2009	9.380	2045	9.070	8.670	0800	96
11/24/2009	9.760	1515	9.431	9.210	0815	96
11/25/2009	9.790	1315	9.486	9.260	1930	96
11/26/2009	10.190	1515	9.811	9.420	0345	96
11/27/2009	10.170	0500	9.621	9.090	2215	96
11/28/2009	9.220	0015	8.969	8.670	1030	96
11/29/2009	9.060	1230	8.876	8.650	2400	96
11/30/2009	9.130	1615	8.826	8.360	2400	96
AVERAGE	9.971		9.655	9.337		
STD DEV.:	0.659		0.656	0.647		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2009

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
12/01/2009	10.75	1500	10.07	9.59	2145	96
12/02/2009	11.51	1230	10.56	10.01	0015	96
12/03/2009	11.44	0915	11.04	10.46	0100	96
12/04/2009	10.80	1445	9.99	9.28	0900	96
12/05/2009	10.48	0345	9.84	9.13	2000	96
12/06/2009	10.40	2145	9.66	8.81	1000	96
12/07/2009	10.51	0900	10.12	9.89	0145	96
12/08/2009	10.75	1345	9.86	9.17	1615	96
12/09/2009	9.35	0100	9.19	8.97	2100	96
12/10/2009	9.20	1130	9.09	8.83	1645	96
12/11/2009	9.36	1300	9.19	9.03	0215	96
12/12/2009	9.74	1415	9.45	9.19	0830	96
12/13/2009	9.54	0115	9.21	8.44	2115	96
12/14/2009	9.74	1400	9.32	8.83	0545	96
12/15/2009	9.85	1115	9.38	9.22	2230	96
12/16/2009	9.61	0115	9.40	9.23	1700	96
12/17/2009	9.68	1415	9.50	9.28	2330	96
12/18/2009	9.59	0915	9.31	9.12	1630	96
12/19/2009	9.57	0030	9.33	9.00	2015	96
12/20/2009	9.55	0415	9.18	8.80	1045	96
12/21/2009	9.61	0930	9.27	8.94	1730	96
12/22/2009	9.64	1045	9.24	8.98	0545	96
12/23/2009	9.72	1045	9.27	8.89	0200	96
12/24/2009	9.51	0145	9.00	8.23	1815	96
12/25/2009	9.18	2345	8.78	8.40	0630	96
12/26/2009	9.45	0700	9.11	8.51	2330	96
12/27/2009	9.18	0300	8.59	7.90	1930	96
12/28/2009	8.66	1215	8.28	7.93	0015	52
AVERAGE	9.870		9.436	9.002		
STD DEV.:	0.694		0.567	0.566		

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

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
12/01/2009	6.941	1045	6.904	6.850	0115	96
12/02/2009	7.040	1000	6.985	6.912	0115	96
12/03/2009	7.090	1045	7.034	6.963	0030	96
12/04/2009	7.060	1245	7.013	6.985	1815	96
12/05/2009	7.050	0130	6.975	6.865	2145	96
12/06/2009	6.869	0015	6.777	6.695	2145	96
12/07/2009	6.705	0015	6.678	6.653	2400	96
12/08/2009	6.712	1400	6.676	6.653	0045	96
12/09/2009	6.785	2145	6.738	6.688	0030	96
12/10/2009	6.787	2345	6.763	6.743	0345	96
12/11/2009	6.816	1345	6.791	6.768	0330	96
12/12/2009	6.778	0015	6.747	6.716	2230	96
12/13/2009	6.780	2145	6.736	6.702	0745	96
12/14/2009	6.919	2330	6.818	6.735	0930	96
12/15/2009	6.954	1945	6.926	6.858	1045	96
12/16/2009	6.981	1530	6.950	6.906	0115	96
12/17/2009	7.060	1545	6.997	6.949	0230	96
12/18/2009	7.010	0015	6.965	6.898	1315	96
12/19/2009	6.979	2145	6.961	6.944	1845	96
12/20/2009	7.030	1630	7.002	6.967	0015	96
12/21/2009	7.060	1215	6.973	6.868	2015	96
12/22/2009	6.932	0145	6.865	6.820	2315	96
12/23/2009	6.853	2345	6.830	6.790	0645	96
12/24/2009	6.866	1130	6.831	6.789	2400	96
12/25/2009	6.791	0045	6.761	6.716	2245	96
12/26/2009	6.740	2400	6.727	6.717	0600	96
12/27/2009	6.822	1345	6.781	6.739	0030	96
12/28/2009	6.856	1330	6.794	6.739	0200	96
12/29/2009	6.848	1245	6.814	6.789	0845	96
12/30/2009	6.820	0100	6.767	6.721	2400	96
12/31/2009	6.804	1000	6.763	6.704	0615	96
AVERAGE	6.895		6.850	6.801		
STD DEV.:	0.116		0.109	0.102		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2009

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
12/01/2009	10.640	0015	10.061	8.750	2400	96
12/02/2009	8.610	0015	6.002	5.511	2345	96
12/03/2009	6.652	1700	6.137	5.500	0030	96
12/04/2009	6.815	1300	6.504	6.298	2400	96
12/05/2009	9.820	2115	7.758	5.885	0915	96
12/06/2009	16.320	2400	12.549	9.470	0245	96
12/07/2009	16.700	2330	16.128	15.540	0845	96
12/08/2009	16.620	0015	15.206	14.410	2245	96
12/09/2009	15.700	1815	14.774	14.000	1045	96
12/10/2009	15.280	1400	14.808	14.330	0645	96
12/11/2009	14.670	0015	13.864	13.390	2345	96
12/12/2009	13.810	1300	13.461	13.210	0645	96
12/13/2009	14.590	2400	13.624	12.890	0745	96
12/14/2009	15.020	1215	14.664	14.380	0400	96
12/15/2009	15.920	1400	15.264	14.750	0015	96
12/16/2009	15.570	0115	14.992	14.550	2315	96
12/17/2009	14.560	0015	13.905	13.240	1630	96
12/18/2009	14.990	1245	13.988	13.370	2315	96
12/19/2009	14.660	1845	14.106	13.440	0015	96
12/20/2009	14.430	1915	14.164	13.800	1000	96
12/21/2009	14.290	0115	13.535	12.460	0900	96
12/22/2009	13.650	0015	12.869	11.820	0630	96
12/23/2009	12.640	0030	11.566	10.840	1345	96
12/24/2009	13.900	1945	12.475	10.970	0015	96
12/25/2009	14.270	1800	13.928	13.530	0630	96
12/26/2009	14.150	2145	13.990	13.820	0645	96
12/27/2009	14.250	0315	13.556	13.000	0700	96
12/28/2009	13.330	1900	13.074	12.830	0430	96
12/29/2009	13.270	0745	12.730	12.030	2215	96
12/30/2009	13.650	1400	12.916	11.980	0300	96
12/31/2009	13.750	1530	13.408	13.190	0630	96
AVERAGE	13.630		12.774	12.038		
STD DEV.:	2.560		2.688	2.846		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2009

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
12/01/2009	12.00	1915	11.74	11.51	0400	96
12/02/2009	12.13	1630	12.02	11.88	0045	96
12/03/2009	12.05	0645	11.79	11.39	2115	96
12/04/2009	12.51	2345	12.00	11.54	0115	96
12/05/2009	12.80	0645	12.66	12.52	2400	96
12/06/2009	12.61	2330	12.53	12.45	1100	96
12/07/2009	12.86	2300	12.75	12.60	0030	96
12/08/2009	13.89	1530	12.87	12.71	2245	96
12/09/2009	12.88	1245	12.78	12.70	0100	96
12/10/2009	12.77	0330	12.71	12.61	2100	96
12/11/2009	12.95	1430	12.76	12.64	0015	96
12/12/2009	13.10	2345	12.94	12.74	0245	96
12/13/2009	13.28	0845	13.16	13.04	1745	96
12/14/2009	13.57	1630	13.25	12.95	1400	96
12/15/2009	13.51	0230	13.39	13.27	0900	40
AVERAGE	12.861		12.623	12.437		
STD DEV.:	0.558		0.517	0.581		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2009

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
12/01/2009	7.050	1400	6.930	6.907	1500	96
12/02/2009	6.941	2400	6.919	6.902	1230	96
12/03/2009	6.944	1115	6.915	6.884	2030	96
12/04/2009	6.951	0845	6.902	6.855	2245	96
12/05/2009	6.864	0030	6.806	6.734	2345	96
12/06/2009	6.755	2330	6.733	6.710	1400	96
12/07/2009	6.899	2400	6.801	6.758	0030	96
12/08/2009	6.943	2345	6.896	6.820	1315	96
12/09/2009	6.999	2245	6.970	6.940	0630	96
12/10/2009	7.030	2015	7.006	6.986	0930	96
12/11/2009	7.100	1830	7.069	7.030	0015	96
12/12/2009	7.120	0715	7.104	7.090	1345	96
12/13/2009	7.120	0200	7.091	7.060	1345	96
12/14/2009	7.090	0015	7.078	7.050	1645	96
12/15/2009	7.090	0400	7.008	6.859	1230	87
12/16/2009	6.978	2345	6.958	6.931	0045	96
12/17/2009	7.160	1500	7.038	6.972	2315	96
12/18/2009	7.020	0400	6.982	6.931	1315	96
12/19/2009	7.010	0030	6.985	6.962	1700	96
12/20/2009	7.000	2030	6.981	6.966	0245	96
12/21/2009	6.994	0115	6.968	6.950	1515	96
12/22/2009	7.120	0215	6.970	6.898	0245	96
12/23/2009	6.968	2230	6.956	6.939	1330	96
12/24/2009	6.970	0045	6.950	6.927	1630	96
12/25/2009	6.951	0100	6.918	6.894	1815	96
12/26/2009	6.910	2230	6.899	6.891	1545	96
12/27/2009	6.918	1530	6.897	6.838	2115	96
12/28/2009	7.020	1300	6.916	6.623	1245	96
12/29/2009	6.978	2015	6.953	6.927	0945	96
12/30/2009	6.967	0045	6.925	6.896	1945	96
12/31/2009	6.906	0015	6.878	6.861	2300	96
AVERAGE	6.992		6.949	6.903		
STD DEV.:	0.087		0.082	0.101		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2009

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM		DAILY AVERAGE	MINIMUM		#of INT.
	(PARAM)	TIME		(PARAM)	TIME	
12/01/2009	6.535	0015	6.263	6.030	2245	96
12/02/2009	6.032	0015	5.732	5.584	2015	96
12/03/2009	6.670	2130	6.127	5.664	0430	96
12/04/2009	6.585	0015	6.440	6.219	2400	96
12/05/2009	6.284	1945	6.127	5.926	0515	96
12/06/2009	6.198	0015	5.944	5.762	2330	96
12/07/2009	5.744	0015	5.178	4.791	2400	96
12/08/2009	4.777	0015	4.393	4.162	2400	96
12/09/2009	4.163	0030	3.553	3.025	2400	96
12/10/2009	3.167	1545	3.074	2.996	0230	96
12/11/2009	3.071	0015	2.308	1.892	2400	96
12/12/2009	1.912	0245	1.682	1.572	1245	96
12/13/2009	1.631	0015	1.342	1.204	1230	96
12/14/2009	1.526	1230	1.422	1.364	0700	50
AVERAGE	4.593		4.256	4.014		
STD DEV.:	1.977		1.972	1.938		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2009

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
12/01/2009	8.740	1215	8.183	7.730	2200	96
12/02/2009	8.080	0115	6.674	6.180	2400	96
12/03/2009	7.160	2030	6.712	6.160	0130	96
12/04/2009	7.100	0015	6.943	6.698	2400	96
12/05/2009	7.790	2315	6.910	6.347	0830	96
12/06/2009	9.030	1930	8.075	7.270	0815	96
12/07/2009	8.860	0100	8.235	7.910	2400	96
12/08/2009	8.510	1000	7.926	7.590	1545	96
12/09/2009	7.880	0100	7.366	6.817	1230	96
12/10/2009	7.700	0515	6.894	6.449	2300	96
12/11/2009	6.576	0030	6.327	6.099	1500	96
12/12/2009	7.630	0930	6.577	6.226	0030	96
12/13/2009	7.740	1045	6.799	6.356	0415	96
12/14/2009	7.490	1115	6.991	6.503	0800	45
AVERAGE	7.878		7.187	6.738		
STD DEV.:	0.710		0.649	0.628		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR January 2010

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
01/01/2010	6.890	2345	6.810	6.781	0600	96
01/02/2010	6.889	1545	6.859	6.828	0730	96
01/03/2010	6.965	1315	6.924	6.875	0045	96
01/04/2010	6.900	0015	6.864	6.837	2200	96
01/05/2010	6.886	1200	6.854	6.794	0645	96
01/06/2010	6.851	1200	6.831	6.818	1545	96
01/07/2010	6.863	0145	6.836	6.813	1700	96
01/08/2010	6.838	0400	6.818	6.802	2300	96
01/09/2010	6.840	1200	6.815	6.800	0700	96
01/10/2010	6.834	1345	6.806	6.782	2245	96
01/11/2010	6.842	1130	6.762	6.711	1930	96
01/12/2010	6.798	2100	6.765	6.725	0045	96
01/13/2010	6.797	1000	6.779	6.752	2300	96
01/14/2010	6.799	1145	6.757	6.736	0515	96
01/15/2010	6.816	1230	6.796	6.780	0015	96
01/16/2010	6.803	1230	6.778	6.750	2115	96
01/17/2010	6.768	0900	6.758	6.752	1645	96
01/18/2010	6.801	1430	6.781	6.762	0015	96
01/19/2010	6.867	1100	6.788	6.765	0300	96
01/20/2010	6.826	1315	6.804	6.787	2015	96
01/21/2010	6.841	1345	6.815	6.796	0400	96
01/22/2010	6.838	1345	6.812	6.781	2130	96
01/23/2010	6.833	1430	6.803	6.783	0515	96
01/24/2010	6.831	2345	6.815	6.802	0915	96
01/25/2010	6.933	1700	6.879	6.832	0015	96
01/26/2010	6.909	0045	6.806	6.746	1515	96
01/27/2010	6.842	0345	6.799	6.717	2400	96
01/28/2010	6.753	0100	6.594	6.553	0845	96
01/29/2010	6.701	2345	6.622	6.561	0030	96
01/30/2010	6.856	1130	6.790	6.701	0015	96
01/31/2010	6.770	0115	6.686	6.622	2300	96

AVERAGE	6.838	6.794	6.759
STD DEV.:	0.054	0.066	0.072

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR January 2010

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
01/01/2010	13.870	1315	13.162	10.020	2400	96
01/02/2010	10.700	1845	8.763	7.430	0415	96
01/03/2010	12.380	2400	10.673	9.750	0630	96
01/04/2010	12.700	0145	9.208	7.610	2400	96
01/05/2010	13.030	2400	10.224	7.260	0900	96
01/06/2010	13.570	1330	13.172	12.990	0100	96
01/07/2010	13.750	1500	13.308	12.930	0315	96
01/08/2010	13.570	1300	13.342	13.070	0345	96
01/09/2010	13.360	0115	12.854	12.220	1945	96
01/10/2010	13.660	1345	13.369	13.000	0015	96
01/11/2010	13.960	1345	13.658	13.400	0515	96
01/12/2010	13.720	0130	13.503	13.030	2045	96
01/13/2010	13.800	2300	13.470	13.090	0015	96
01/14/2010	14.290	1430	13.875	13.560	0700	96
01/15/2010	14.400	1515	13.879	12.780	0700	96
01/16/2010	14.360	1400	14.038	13.870	0245	96
01/17/2010	14.200	1400	14.049	13.950	0900	96
01/18/2010	14.220	1645	13.965	13.680	0445	96
01/19/2010	14.150	0130	13.682	12.920	0700	96
01/20/2010	13.910	1345	13.676	13.320	0630	96
01/21/2010	14.030	1515	13.676	13.480	0100	96
01/22/2010	14.140	1445	13.661	13.350	0715	96
01/23/2010	14.120	1415	13.622	13.280	0645	96
01/24/2010	14.000	1430	13.730	13.460	0345	96
01/25/2010	14.050	2345	13.910	13.770	0315	96
01/26/2010	14.070	1245	13.886	13.710	2300	96
01/27/2010	13.980	1300	13.763	13.570	0745	96
01/28/2010	13.910	1415	13.707	13.140	2400	96
01/29/2010	13.250	1515	12.885	10.980	2400	96
01/30/2010	10.750	0015	6.814	5.239	0830	96
01/31/2010	13.360	1545	11.760	9.670	0015	96
AVERAGE	13.589		12.816	12.049		
STD DEV.:	0.896		1.785	2.347		

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MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR January 2010

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
01/01/2010	7.050	1815	6.866	6.837	0845	96
01/02/2010	7.100	0930	6.930	6.841	0300	96
01/03/2010	6.928	0015	6.842	6.643	2145	96
01/04/2010	6.857	1715	6.821	6.782	0100	96
01/05/2010	6.869	2045	6.855	6.805	0345	96
01/06/2010	6.894	2330	6.866	6.846	1200	96
01/07/2010	6.899	2330	6.885	6.866	1130	96
01/08/2010	6.954	1145	6.889	6.798	1130	96
01/09/2010	6.918	2245	6.891	6.874	1600	96
01/10/2010	6.921	0145	6.893	6.867	1915	96
01/11/2010	6.895	0730	6.881	6.870	1515	96
01/12/2010	6.909	2330	6.889	6.869	1345	96
01/13/2010	6.919	0700	6.902	6.886	0945	96
01/14/2010	6.908	2330	6.893	6.878	1230	96
01/15/2010	6.919	1100	6.898	6.879	1815	96
01/16/2010	6.897	0815	6.876	6.853	1730	96
01/17/2010	6.892	0930	6.869	6.841	2100	96
01/18/2010	6.874	2245	6.859	6.840	0345	96
01/19/2010	6.952	1230	6.881	6.818	1215	96
01/20/2010	6.911	2400	6.892	6.873	0015	96
01/21/2010	6.924	0600	6.901	6.879	1545	96
01/22/2010	6.920	0730	6.897	6.868	1530	96
01/23/2010	6.939	0915	6.905	6.872	1900	96
01/24/2010	6.904	0015	6.874	6.853	1545	96
01/25/2010	6.972	2115	6.913	6.863	0030	96
01/26/2010	6.946	0100	6.856	6.687	1200	96
01/27/2010	6.939	0145	6.849	6.700	2345	96
01/28/2010	6.691	0015	6.628	6.579	1100	96
01/29/2010	6.702	0745	6.671	6.635	2015	96
01/30/2010	7.020	1145	6.794	6.655	0015	96
01/31/2010	7.170	2200	6.819	6.608	1230	96
AVERAGE	6.922		6.861	6.805		
STD DEV.:	0.089		0.064	0.094		

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ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR February 2010

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM		DAILY AVERAGE	MINIMUM		#of INT.
	(PARAM)	TIME		(PARAM)	TIME	
02/01/2010	6.688	1230	6.614	6.595	2215	96
02/02/2010	6.658	2230	6.595	6.569	1715	96
02/03/2010	6.789	1930	6.732	6.603	0300	96
02/04/2010	6.782	0200	6.716	6.654	2400	96
02/05/2010	6.734	0945	6.643	6.605	0530	96
02/06/2010	6.714	2145	6.685	6.660	1015	96
02/07/2010	6.816	1545	6.741	6.689	0515	96
02/08/2010	6.767	1615	6.740	6.717	0445	96
02/09/2010	6.819	1445	6.740	6.715	0415	96
02/10/2010	6.762	2100	6.741	6.722	0315	96
02/11/2010	6.761	1130	6.744	6.722	0345	96
02/12/2010	6.788	1330	6.760	6.730	0400	96
02/13/2010	6.784	2215	6.759	6.729	0230	96
02/14/2010	6.778	1130	6.766	6.755	2215	96
02/15/2010	6.815	1300	6.784	6.762	2315	96
02/16/2010	6.797	1130	6.765	6.750	1315	96
02/17/2010	6.784	1200	6.766	6.752	1945	96
02/18/2010	6.836	1415	6.809	6.777	0015	96
02/19/2010	6.860	1230	6.844	6.823	0200	96
02/20/2010	6.913	1300	6.885	6.842	0030	96
02/21/2010	6.934	1415	6.892	6.856	0600	96
02/22/2010	6.908	1330	6.880	6.832	2245	96
02/23/2010	6.867	1815	6.837	6.803	1015	96
02/24/2010	6.882	1530	6.853	6.834	0945	96
02/25/2010	6.974	2300	6.872	6.823	1645	94
02/26/2010	6.800	0830	6.800	6.800	0830	1
02/28/2010	6.698	0430	6.667	6.605	2400	81
AVERAGE	6.804		6.764	6.731		
STD DEV.:	0.076		0.080	0.085		

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MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR February 2010

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
02/01/2010	15.000	1530	14.309	12.900	0015	96
02/02/2010	16.970	1515	14.132	9.780	2345	96
02/03/2010	9.740	0015	6.282	4.563	1845	96
02/04/2010	14.510	1530	12.542	5.362	0015	96
02/05/2010	14.410	0030	13.707	12.810	0730	96
02/06/2010	14.120	1515	13.642	13.210	2330	96
02/07/2010	13.820	1500	13.440	13.240	0200	96
02/08/2010	13.990	1330	13.515	13.240	0845	96
02/09/2010	14.270	1430	13.804	13.320	0015	96
02/10/2010	14.100	1500	13.936	13.660	2345	96
02/11/2010	14.140	1445	13.695	13.450	0715	96
02/12/2010	14.130	1430	13.638	13.280	2400	96
02/13/2010	14.070	1415	13.615	13.280	0015	96
02/14/2010	14.050	1300	13.731	13.410	0100	96
02/15/2010	14.240	1415	13.888	13.700	0100	96
02/16/2010	14.030	1230	13.785	13.450	1930	96
02/17/2010	14.100	1245	13.845	13.570	0100	96
02/18/2010	14.360	1415	13.945	13.720	0545	96
02/19/2010	14.030	1445	13.663	12.380	2330	96
02/20/2010	13.790	1600	12.826	11.870	0915	96
02/21/2010	13.650	1415	13.219	12.990	2130	96
02/22/2010	14.820	1445	13.502	11.490	0515	96
02/23/2010	14.380	0045	13.639	13.080	1845	96
02/24/2010	14.220	2345	13.304	10.840	1545	96
02/25/2010	14.390	1130	13.819	12.340	1900	94
02/28/2010	14.320	1915	14.017	13.060	0530	81
AVERAGE	14.140		13.363	12.231		
STD DEV.:	1.087		1.491	2.335		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR February 2010

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
02/01/2010	7.140	0115	6.699	6.502	1345	80
02/02/2010	6.892	0645	6.754	6.513	1100	52
02/03/2010	6.700	1115	6.700	6.700	1115	1
02/04/2010	6.700	1300	6.700	6.700	1300	1
02/05/2010	6.881	1030	6.693	6.602	1100	55
02/06/2010	6.768	0300	6.735	6.704	1000	96
02/07/2010	6.852	1245	6.775	6.737	0100	96
02/08/2010	6.796	1300	6.765	6.723	1045	96
02/09/2010	6.870	1300	6.791	6.763	0015	96
02/10/2010	6.774	1030	6.760	6.744	2330	96
02/11/2010	6.782	2400	6.748	6.731	1315	96
02/12/2010	6.820	0715	6.799	6.779	1315	96
02/13/2010	6.827	0830	6.802	6.787	1745	96
02/14/2010	6.832	2345	6.806	6.791	1300	96
02/15/2010	6.871	0730	6.850	6.829	0100	96
02/16/2010	6.861	0815	6.853	6.840	1445	96
02/17/2010	6.875	2345	6.859	6.841	1515	96
02/18/2010	6.906	2400	6.877	6.858	1615	96
02/19/2010	6.962	2245	6.936	6.906	0030	96
02/20/2010	6.953	0600	6.928	6.897	1915	96
02/21/2010	6.948	2345	6.928	6.906	0015	96
02/22/2010	6.966	1000	6.956	6.945	1700	96
02/23/2010	6.969	1130	6.941	6.913	1100	96
02/24/2010	6.939	0215	6.908	6.835	1645	96
02/25/2010	7.000	2345	6.882	6.801	1430	96
02/26/2010	6.980	0145	6.785	6.698	2400	96
02/27/2010	6.740	0415	6.673	6.628	1500	96
02/28/2010	6.716	0630	6.669	6.600	2345	96
AVERAGE	6.869		6.806	6.760		
STD DEV.:	0.103		0.089	0.117		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR March 2010

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
03/01/2010	6.632	0145	6.596	6.557	2315	96
03/02/2010	6.599	1030	6.547	6.510	1900	96
03/03/2010	6.642	2345	6.588	6.533	0015	96
03/04/2010	6.693	1430	6.665	6.641	0230	96
03/05/2010	6.688	1200	6.663	6.640	2300	96
03/06/2010	6.705	1400	6.676	6.642	0230	96
03/07/2010	6.722	1545	6.691	6.663	0645	96
03/08/2010	6.763	1130	6.702	6.673	1200	96
03/09/2010	6.755	1500	6.715	6.691	0545	96
03/10/2010	6.742	1615	6.709	6.672	0345	96
03/11/2010	6.722	1130	6.690	6.661	0945	96
03/12/2010	6.698	1300	6.683	6.666	1045	96
03/13/2010	6.754	1845	6.706	6.672	0515	96
03/14/2010	6.794	1145	6.766	6.718	2215	96
03/15/2010	6.788	0200	6.725	6.682	2045	96
03/16/2010	6.694	0045	6.657	6.595	2230	96
03/17/2010	6.686	1345	6.632	6.595	0415	96
03/18/2010	6.611	0100	6.575	6.530	1545	96
03/19/2010	6.700	1645	6.577	6.540	0530	96
03/20/2010	6.630	1830	6.566	6.530	0400	96
03/21/2010	6.660	1815	6.587	6.530	1230	96
03/22/2010	6.650	0715	6.581	6.540	0815	96
03/23/2010	6.620	0900	6.573	6.510	1530	95
03/24/2010	6.630	1615	6.588	6.550	0715	96
03/25/2010	6.639	1230	6.567	6.494	2330	96
03/26/2010	6.606	1115	6.520	6.472	1845	96
03/27/2010	6.608	1330	6.553	6.522	2030	96
03/28/2010	6.619	1300	6.548	6.504	0215	96
03/29/2010	6.604	1345	6.573	6.546	0915	96
03/30/2010	6.657	2015	6.605	6.541	0130	96
03/31/2010	6.653	1300	6.620	6.568	2400	96
AVERAGE	6.676		6.627	6.587		
STD DEV.:	0.058		0.065	0.072		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR March 2010

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
03/01/2010	15.090	2400	14.503	14.110	0815	96
03/02/2010	17.240	1500	15.707	15.130	0015	96
03/03/2010	15.970	0100	14.982	14.370	1000	96
03/04/2010	14.800	0345	14.329	13.600	0645	96
03/05/2010	15.240	1515	14.841	14.460	0900	96
03/06/2010	15.730	2115	15.318	14.900	0815	96
03/07/2010	16.240	2100	15.824	15.360	0815	96
03/08/2010	16.570	1615	16.323	16.010	0730	96
03/09/2010	16.680	1515	16.441	16.190	0830	96
03/10/2010	16.810	1545	16.486	16.140	0845	96
03/11/2010	16.660	2330	16.469	16.210	0830	96
03/12/2010	16.790	1600	16.709	16.560	0930	96
03/13/2010	17.170	1030	16.124	15.320	2330	96
03/14/2010	15.320	0100	15.167	13.530	2400	96
03/15/2010	15.440	2315	14.512	10.470	0200	96
03/16/2010	16.050	1615	15.574	15.030	0800	96
03/17/2010	16.850	2400	16.345	15.760	0730	96
03/18/2010	17.210	1415	16.873	15.850	1200	92
03/19/2010	18.020	1530	17.362	16.940	0645	96
03/20/2010	18.230	1500	17.538	16.810	0715	96
03/21/2010	18.310	1330	17.998	17.720	0245	96
03/22/2010	18.880	1415	18.498	18.060	0330	96
03/23/2010	19.640	1330	18.437	17.540	2015	95
03/24/2010	17.890	2400	17.428	16.930	0800	96
03/25/2010	17.910	0130	17.187	16.310	0745	96
03/26/2010	17.610	1545	17.198	16.500	0830	96
03/27/2010	18.050	1415	17.467	16.940	0700	96
03/28/2010	17.470	0045	15.865	15.040	0900	96
03/29/2010	17.890	2200	16.909	15.890	0015	96
03/30/2010	18.190	1315	17.536	16.910	0300	96
03/31/2010	17.310	0330	16.841	16.230	1000	96
AVERAGE	17.008		16.413	15.704		
STD DEV.:	1.184		1.144	1.501		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR March 2010

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
03/01/2010	6.639	0730	6.577	6.523	2245	96
03/02/2010	6.737	1145	6.589	6.520	1115	96
03/03/2010	6.719	1315	6.668	6.625	0100	96
03/04/2010	6.764	0900	6.716	6.684	1445	96
03/05/2010	6.709	0830	6.700	6.693	0145	96
03/06/2010	6.738	0945	6.719	6.704	0030	96
03/07/2010	6.728	0845	6.719	6.712	1545	96
03/08/2010	6.740	0845	6.723	6.672	1245	96
03/09/2010	6.741	0900	6.728	6.717	0100	96
03/10/2010	6.768	1445	6.751	6.726	0030	96
03/11/2010	6.783	1400	6.749	6.727	1230	96
03/12/2010	6.750	0330	6.741	6.731	1945	96
03/13/2010	6.772	2330	6.750	6.733	0915	96
03/14/2010	6.776	0900	6.752	6.694	2345	96
03/15/2010	6.732	2215	6.711	6.680	0315	96
03/16/2010	6.738	0115	6.712	6.682	2115	96
03/17/2010	6.719	0730	6.694	6.659	2330	96
03/18/2010	6.662	0030	6.590	6.545	1830	96
03/19/2010	6.687	1015	6.538	6.514	0945	96
03/20/2010	6.554	2345	6.536	6.525	0115	96
03/21/2010	6.552	0015	6.544	6.535	1330	96
03/22/2010	6.622	1115	6.531	6.499	1300	96
03/23/2010	6.569	2345	6.540	6.515	0200	96
03/24/2010	6.614	1300	6.592	6.570	2145	96
03/25/2010	6.829	0130	6.543	6.486	2300	96
03/26/2010	6.522	2245	6.498	6.472	0515	96
03/27/2010	6.550	1030	6.539	6.516	0015	96
03/28/2010	6.571	2215	6.556	6.542	1245	96
03/29/2010	6.581	1200	6.566	6.557	1045	96
03/30/2010	6.642	2015	6.606	6.558	0015	96
03/31/2010	6.602	0130	6.578	6.545	2345	96
AVERAGE	6.681		6.637	6.608		
STD DEV.:	0.086		0.088	0.091		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR March 2010

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
03/11/2010	4.194	2300	3.965	3.663	0900	61
03/12/2010	4.174	2215	4.024	3.850	0830	96
03/13/2010	4.153	0100	3.902	3.775	1130	96
03/14/2010	3.918	1945	3.813	3.695	0900	96
03/15/2010	3.852	0015	3.768	3.668	2400	96
03/16/2010	4.172	2300	3.713	3.274	0845	96
03/17/2010	4.823	1930	4.302	3.885	0930	96
03/18/2010	4.749	1915	4.467	4.090	0915	92
03/19/2010	5.313	2100	4.783	4.427	0930	96
03/20/2010	5.993	2215	5.496	5.155	0015	96
03/21/2010	6.242	2100	6.108	5.924	0300	96
03/22/2010	6.295	0215	6.179	6.095	1230	96
03/23/2010	6.164	0115	5.970	5.854	1845	96
03/24/2010	5.943	0330	5.798	5.602	2400	96
03/25/2010	5.582	0015	5.212	4.992	1045	96
03/26/2010	5.396	1815	5.204	5.051	0130	96
03/27/2010	5.254	0015	5.012	4.737	1045	96
03/28/2010	5.363	2315	5.059	4.804	1130	96
03/29/2010	5.662	1700	5.528	5.342	0130	96
03/30/2010	5.769	0645	5.605	5.472	1815	96
03/31/2010	5.695	1800	5.577	5.492	0630	96
AVERAGE	5.176		4.928	4.707		
STD DEV.:	0.819		0.838	0.881		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR March 2010

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
03/11/2010	9.490	1115	8.611	8.110	1430	57
03/12/2010	9.050	1515	8.688	8.420	1815	96
03/13/2010	9.970	1600	9.100	8.360	0845	96
03/14/2010	10.190	1045	9.480	8.360	2245	96
03/15/2010	8.830	1445	8.180	7.450	0900	96
03/16/2010	9.040	1145	8.594	7.970	0615	96
03/17/2010	9.430	2330	8.907	8.550	1115	96
03/18/2010	9.310	1645	8.935	8.530	0715	96
03/19/2010	10.250	1000	8.675	7.940	1515	96
03/20/2010	9.560	2345	8.777	8.230	0600	96
03/21/2010	9.740	1315	9.326	9.090	0915	96
03/22/2010	9.600	0130	9.084	8.390	1030	96
03/23/2010	9.150	0215	8.517	8.090	1945	96
03/24/2010	8.600	0215	7.981	7.650	1330	96
03/25/2010	7.860	0015	7.239	6.846	0830	96
03/26/2010	7.710	1800	7.300	6.866	0900	96
03/27/2010	7.910	1845	7.437	6.890	0845	96
03/28/2010	7.830	2345	7.501	7.060	1015	96
03/29/2010	8.490	2230	7.993	7.570	1145	96
03/30/2010	8.540	0430	8.043	7.440	2400	96
03/31/2010	7.620	0415	7.425	7.180	1030	96
AVERAGE	8.960		8.371	7.857		
STD DEV.:	0.829		0.695	0.646		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2010

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/2010	8.69	2145	8.50	7.83	2400	58
04/02/2010	8.64	0700	8.33	7.57	0030	96
04/03/2010	8.54	1315	8.19	7.74	1900	96
04/04/2010	8.18	0900	7.89	7.49	1800	96
04/05/2010	8.13	1330	7.73	7.26	0230	96
04/06/2010	7.71	0100	7.34	6.93	1515	96
04/07/2010	7.76	1145	7.21	6.71	2330	96
04/08/2010	7.20	0745	6.85	6.70	0915	96
04/09/2010	7.63	2115	7.08	6.66	0915	96
04/10/2010	7.67	0915	7.20	6.68	2330	96
04/11/2010	7.82	1230	7.09	6.63	0415	96
04/12/2010	7.64	1130	7.02	6.66	0300	96
04/13/2010	8.55	1745	7.64	6.75	0130	96
04/14/2010	8.70	1100	8.06	7.67	2345	96
04/15/2010	8.43	1315	7.92	7.49	0630	96
04/16/2010	8.00	0345	7.62	7.00	2145	96
04/17/2010	7.69	0145	7.36	6.90	0315	96
04/18/2010	8.18	1615	7.61	7.22	0215	96
04/19/2010	8.82	1600	8.22	7.44	0145	96
04/20/2010	8.83	1130	8.25	7.85	1830	96
04/21/2010	8.49	1030	7.80	7.31	1730	96
04/22/2010	8.15	1700	7.50	6.71	0645	96
04/23/2010	7.99	1100	7.51	7.16	2045	96
04/24/2010	7.39	1530	7.10	6.69	2400	96
04/25/2010	7.53	1430	6.93	6.61	2115	96
04/26/2010	7.73	1430	7.08	6.64	0430	96
04/27/2010	7.26	1015	6.86	6.53	1530	96
04/28/2010	7.68	1130	7.00	6.59	0600	96
04/29/2010	8.08	1130	7.38	6.58	0200	96
04/30/2010	8.03	1130	7.32	6.72	2400	96
AVERAGE	8.038		7.520	7.023		
STD DEV.:	0.471		0.479	0.434		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR April 2010

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/2010	6.593	1445	6.549	6.496	2145	96
04/02/2010	6.607	1415	6.537	6.471	0300	96
04/03/2010	6.600	1445	6.543	6.508	2230	96
04/04/2010	6.608	1345	6.541	6.495	2345	96
04/05/2010	6.604	1300	6.531	6.475	0300	96
04/06/2010	6.551	1000	6.521	6.500	2215	96
04/07/2010	6.686	1545	6.579	6.508	0130	96
04/08/2010	6.593	1945	6.572	6.543	0745	96
04/09/2010	6.621	1215	6.597	6.579	0330	96
04/10/2010	6.683	1530	6.635	6.601	0315	96
04/11/2010	6.688	1345	6.628	6.595	0545	96
04/12/2010	6.712	1515	6.658	6.611	0415	96
04/13/2010	6.729	1530	6.646	6.609	2115	96
04/14/2010	6.802	1615	6.712	6.625	0045	96
04/15/2010	6.789	1445	6.716	6.674	0615	96
04/16/2010	6.735	2400	6.697	6.663	0745	96
04/17/2010	6.810	1345	6.762	6.722	0545	96
04/18/2010	6.839	1545	6.790	6.754	0030	96
04/19/2010	6.875	1630	6.796	6.750	0615	96
04/20/2010	6.774	0030	6.727	6.670	2400	96
04/21/2010	6.733	1430	6.669	6.607	0615	96
04/22/2010	6.725	1445	6.646	6.593	0600	96
04/23/2010	6.677	1445	6.625	6.572	2330	96
04/24/2010	6.726	1345	6.627	6.566	0600	96
04/25/2010	6.707	1415	6.610	6.561	0615	96
04/26/2010	6.672	1415	6.597	6.555	0600	96
04/27/2010	6.657	2345	6.585	6.561	0345	96
04/28/2010	6.677	1915	6.617	6.566	0315	96
04/29/2010	6.728	1630	6.675	6.615	0330	96
04/30/2010	6.744	1430	6.685	6.624	0300	96
AVERAGE	6.698		6.636	6.589		
STD DEV.:	0.080		0.076	0.076		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2010

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/2010	19.370	1500	17.386	16.280	0445	96
04/02/2010	18.850	2345	18.059	17.090	0645	96
04/03/2010	19.950	1500	19.233	18.390	0645	96
04/04/2010	21.100	1515	20.392	19.700	0015	96
04/05/2010	21.510	1400	21.069	20.600	0645	96
04/06/2010	21.300	0030	21.039	20.790	2330	96
04/07/2010	22.260	1515	21.327	20.620	0630	96
04/08/2010	21.810	0230	21.469	21.190	2345	96
04/09/2010	21.230	0045	20.719	20.230	2330	96
04/10/2010	20.870	1600	20.469	20.120	0700	96
04/11/2010	20.770	1445	20.247	19.520	1945	96
04/12/2010	19.870	1515	19.618	19.400	0630	96
04/13/2010	20.490	1400	19.437	18.270	2215	96
04/14/2010	20.110	2245	18.967	18.010	0730	96
04/15/2010	21.090	1545	20.369	19.770	0630	96
04/16/2010	20.590	0030	19.908	19.230	2400	96
04/17/2010	19.220	0015	18.859	18.620	2400	96
04/18/2010	18.750	1515	18.550	18.350	1000	96
04/19/2010	19.650	1600	18.949	18.430	0700	96
04/20/2010	20.030	1615	19.541	19.020	0630	96
04/21/2010	20.850	1500	20.116	19.350	0645	96
04/22/2010	21.830	1600	21.065	20.200	0615	96
04/23/2010	21.880	1445	21.400	21.060	0800	96
04/24/2010	22.820	1515	21.811	20.910	0630	96
04/25/2010	23.940	1430	22.731	21.930	0630	96
04/26/2010	23.810	1600	23.289	22.870	0645	96
04/27/2010	23.620	0015	23.051	22.400	2400	96
04/28/2010	22.370	0015	21.039	20.440	1830	96
04/29/2010	20.860	2400	20.572	20.360	0700	96
04/30/2010	21.750	2245	21.119	20.440	0715	96
AVERAGE	21.085		20.393	19.786		
STD DEV.:	1.378		1.398	1.478		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2010

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/02/2010	13.25	2015	12.55	10.08	0845	62
04/03/2010	13.15	0230	12.90	12.53	2330	96
04/04/2010	12.63	0015	12.40	12.20	2245	96
04/05/2010	12.78	1245	11.81	11.11	1745	96
04/06/2010	11.21	0015	11.06	10.95	2230	96
04/07/2010	11.00	0015	10.92	10.84	2330	96
04/08/2010	10.87	0245	10.78	10.71	1330	96
04/09/2010	10.93	1230	10.83	10.75	0015	96
04/10/2010	10.96	2330	10.83	10.74	0100	96
04/11/2010	11.22	0745	11.10	10.43	0130	96
04/12/2010	11.13	0915	11.06	10.97	2300	96
04/13/2010	11.11	0830	11.03	10.91	2245	96
04/14/2010	11.07	0900	10.93	10.80	1730	96
04/15/2010	10.91	1200	10.63	10.36	1945	96
04/16/2010	10.49	2345	10.44	10.38	1630	96
04/17/2010	10.58	1030	10.53	10.48	0015	96
04/18/2010	10.80	1815	10.70	10.54	0045	96
04/19/2010	10.86	0945	10.61	10.42	1645	96
04/20/2010	10.54	0630	10.45	9.98	1015	96
04/21/2010	10.42	0245	10.32	10.18	2345	96
04/22/2010	10.21	0100	10.06	9.91	2400	96
04/23/2010	9.93	0030	9.87	9.83	0815	96
04/24/2010	9.96	1345	9.89	9.80	0215	96
04/25/2010	9.89	0230	9.82	9.67	2330	96
04/26/2010	9.74	1200	9.61	9.43	2345	96
04/27/2010	9.53	1230	9.43	9.33	2245	96
04/28/2010	9.93	1500	9.77	8.24	0100	96
04/29/2010	10.03	1345	9.90	9.76	0230	96
04/30/2010	9.87	1115	9.72	9.40	2400	96
AVERAGE	10.862		10.688	10.370		
STD DEV.:	0.988		0.870	0.841		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2010

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/2010	6.566	1515	6.490	6.430	1930	96
04/02/2010	6.604	0115	6.487	6.450	0030	96
04/03/2010	6.486	0515	6.472	6.455	1630	96
04/04/2010	6.473	0045	6.451	6.432	1345	96
04/05/2010	6.778	1215	6.557	6.439	0215	96
04/06/2010	6.698	2215	6.671	6.647	0800	96
04/07/2010	6.719	1545	6.702	6.680	2145	96
04/08/2010	6.720	1030	6.695	6.678	0730	96
04/09/2010	6.756	2345	6.724	6.701	0415	96
04/10/2010	6.770	1345	6.754	6.736	2200	96
04/11/2010	6.806	0130	6.743	6.664	0115	96
04/12/2010	6.795	2400	6.777	6.749	0015	96
04/13/2010	6.794	0145	6.778	6.753	2115	96
04/14/2010	6.792	1730	6.778	6.758	0015	96
04/15/2010	6.925	1215	6.797	6.683	1200	96
04/16/2010	6.855	2230	6.825	6.800	0415	96
04/17/2010	6.919	2330	6.880	6.850	0145	96
04/18/2010	6.968	2045	6.954	6.919	0045	96
04/19/2010	7.080	1130	6.952	6.921	2345	96
04/20/2010	6.946	0815	6.853	6.627	1000	96
04/21/2010	6.821	0215	6.800	6.771	2400	96
04/22/2010	6.775	0030	6.739	6.711	2400	96
04/23/2010	6.726	1315	6.714	6.703	2315	96
04/24/2010	6.722	0945	6.703	6.675	2345	96
04/25/2010	6.693	1745	6.677	6.664	2330	96
04/26/2010	6.780	1215	6.661	6.631	1300	96
04/27/2010	6.724	1930	6.682	6.660	0830	96
04/28/2010	6.794	0115	6.707	6.663	0230	96
04/29/2010	6.823	1845	6.766	6.720	0330	96
04/30/2010	6.808	1830	6.786	6.761	1030	96
AVERAGE	6.771		6.719	6.678		
STD DEV.:	0.130		0.128	0.130		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2010

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/2010	7.040	2000	6.245	5.664	0315	96
04/02/2010	8.240	2115	7.480	6.963	0730	96
04/03/2010	9.260	2315	8.545	8.060	0415	96
04/04/2010	10.350	2145	9.706	9.210	0100	96
04/05/2010	10.470	1600	10.261	10.020	0900	96
04/06/2010	10.430	1030	10.309	10.180	2330	96
04/07/2010	10.910	2100	10.363	9.870	0830	96
04/08/2010	10.870	1445	10.798	10.690	2400	96
04/09/2010	10.680	0015	10.280	10.070	0945	96
04/10/2010	10.260	1630	10.010	9.800	1015	96
04/11/2010	10.490	2100	9.825	9.220	0800	96
04/12/2010	10.350	1915	10.042	9.700	0800	96
04/13/2010	10.500	2000	10.079	9.570	0800	96
04/14/2010	10.820	2100	10.300	9.680	0715	96
04/15/2010	11.270	1615	10.751	10.160	0630	96
04/16/2010	10.890	0015	10.225	9.550	2400	96
04/17/2010	9.530	0015	9.169	8.920	2400	96
04/18/2010	9.090	1700	8.818	8.540	0745	96
04/19/2010	9.640	1915	9.159	8.690	0845	96
04/20/2010	10.010	2130	9.486	8.880	0700	96
04/21/2010	10.460	2245	9.930	9.430	0545	96
04/22/2010	11.500	2145	10.899	10.300	0345	96
04/23/2010	11.770	1745	11.480	11.230	0700	96
04/24/2010	12.350	2215	11.668	10.910	0700	96
04/25/2010	13.070	1545	12.507	11.830	0645	96
04/26/2010	13.730	1800	13.330	12.920	0730	96
04/27/2010	13.690	0015	13.330	12.910	2400	96
04/28/2010	12.880	0015	12.149	11.910	2400	96
04/29/2010	11.920	2345	11.643	11.200	0930	96
04/30/2010	12.220	2400	11.778	11.230	0915	96
AVERAGE	10.823		10.352	9.910		
STD DEV.:	1.492		1.537	1.553		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2010

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/2010	8.940	2315	8.007	7.300	0445	96
04/02/2010	10.140	2230	9.407	8.340	0115	96
04/03/2010	11.060	2200	10.432	9.850	0730	96
04/04/2010	12.190	2030	11.537	11.010	0015	96
04/05/2010	12.470	1945	12.107	11.800	1015	96
04/06/2010	12.520	0300	12.336	12.180	1400	96
04/07/2010	13.110	1830	12.464	11.970	1045	96
04/08/2010	13.060	0215	12.790	12.420	0915	96
04/09/2010	12.780	0015	12.369	12.020	2345	96
04/10/2010	12.050	0030	11.809	11.570	1030	96
04/11/2010	12.210	2200	11.736	11.370	0730	96
04/12/2010	12.230	0030	11.979	11.730	0645	96
04/13/2010	12.460	1315	11.958	11.610	0645	96
04/14/2010	12.310	2000	11.946	11.440	0630	96
04/15/2010	13.230	1600	12.450	11.810	0545	96
04/16/2010	12.600	0045	11.863	11.190	2400	96
04/17/2010	11.180	0015	10.991	10.790	2115	96
04/18/2010	11.350	1745	10.794	10.360	0615	96
04/19/2010	11.670	2030	11.062	10.530	0915	96
04/20/2010	12.050	1900	11.440	10.790	0715	96
04/21/2010	12.310	2045	11.778	11.220	0445	96
04/22/2010	13.450	1545	12.654	11.880	0400	96
04/23/2010	13.550	1345	13.129	12.880	0600	96
04/24/2010	14.110	1730	13.408	12.490	0630	96
04/25/2010	15.290	1600	14.325	13.490	0645	96
04/26/2010	15.640	1800	14.914	14.340	0715	96
04/27/2010	15.270	0015	14.694	14.040	2400	96
04/28/2010	14.010	0015	13.200	12.700	2030	96
04/29/2010	13.130	0015	12.775	12.530	1915	96
04/30/2010	13.630	1730	13.110	12.350	0830	96
AVERAGE	12.667		12.115	11.600		
STD DEV.:	1.428		1.417	1.445		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2010

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/2010	8.06	0715	7.17	6.62	2300	96
05/02/2010	7.84	0930	6.96	6.49	0400	96
05/03/2010	7.62	1615	6.97	6.26	0815	96
05/04/2010	7.58	1630	7.08	6.54	0500	96
05/05/2010	7.89	2130	6.93	6.32	0530	96
05/06/2010	7.73	0015	7.07	6.62	1545	96
05/07/2010	7.74	1245	7.18	6.54	2315	96
05/08/2010	7.13	2000	6.69	6.50	1100	96
05/09/2010	7.68	1500	7.14	6.61	0145	96
05/10/2010	8.25	1330	7.56	6.76	0600	96
05/11/2010	7.87	1030	7.33	6.94	1630	96
05/12/2010	7.79	1600	7.43	6.84	0645	96
05/13/2010	7.85	1115	7.33	6.65	2300	96
05/14/2010	8.21	0845	7.61	6.87	0230	96
05/15/2010	8.19	1230	7.59	6.84	2200	96
05/16/2010	7.85	1115	7.21	6.59	2400	96
05/17/2010	8.16	1315	7.44	6.41	0015	96
05/18/2010	7.85	0045	7.66	7.41	2245	96
05/19/2010	7.84	0500	7.47	7.14	0945	96
05/20/2010	7.59	0745	7.32	7.09	0430	96
05/21/2010	7.58	1415	6.96	6.27	1145	96
05/22/2010	6.85	2245	6.40	6.09	0800	96
05/23/2010	7.05	0945	6.49	6.11	1945	96
05/24/2010	7.12	1315	6.61	6.23	1030	96
05/25/2010	6.91	0915	6.47	5.87	2400	96
05/26/2010	6.05	1045	5.86	5.60	1515	96
05/27/2010	6.38	1730	6.00	5.80	2245	96
05/28/2010	6.60	0900	6.21	5.82	2130	96
05/29/2010	6.82	0815	5.97	5.80	1245	96
05/30/2010	6.33	2030	6.08	5.86	0915	96
05/31/2010	6.42	0230	6.15	5.85	1245	96
AVERAGE	7.446		6.913	6.430		
STD DEV.:	0.627		0.548	0.453		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR May 2010

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/2010	6.699	1415	6.634	6.582	2130	96
05/02/2010	6.716	1400	6.638	6.581	0100	96
05/03/2010	6.665	1630	6.604	6.555	2230	96
05/04/2010	6.760	1230	6.643	6.513	0315	96
05/05/2010	6.806	1230	6.709	6.628	0100	96
05/06/2010	6.738	1445	6.682	6.635	0145	96
05/07/2010	6.742	1415	6.679	6.632	2330	96
05/08/2010	6.654	0700	6.611	6.586	2230	96
05/09/2010	6.741	1900	6.675	6.582	0115	96
05/10/2010	6.795	0800	6.749	6.693	2215	96
05/11/2010	6.828	1115	6.717	6.633	0330	96
05/12/2010	6.756	1915	6.710	6.667	0530	96
05/13/2010	6.783	1415	6.709	6.654	0445	96
05/14/2010	6.723	0830	6.677	6.621	0930	96
05/15/2010	6.773	1245	6.699	6.635	0615	96
05/16/2010	6.817	1530	6.739	6.664	0600	96
05/17/2010	6.832	1245	6.744	6.678	0500	96
05/18/2010	6.819	1745	6.746	6.693	0445	96
05/19/2010	6.912	1730	6.778	6.716	0300	96
05/20/2010	6.811	0015	6.770	6.724	0430	96
05/21/2010	6.985	1730	6.876	6.769	0015	96
05/22/2010	6.852	0015	6.796	6.751	2345	96
05/23/2010	6.843	1615	6.765	6.700	0315	96
05/24/2010	7.340	1630	7.034	6.703	0700	96
05/25/2010	7.270	0030	7.172	7.090	2315	96
05/26/2010	7.190	1545	7.120	7.050	0330	88
05/27/2010	6.900	0900	6.900	6.900	0900	1
05/28/2010	6.836	1445	6.789	6.729	2300	61
05/29/2010	6.838	1715	6.761	6.698	0400	96
05/30/2010	6.822	0515	6.754	6.703	0145	96
05/31/2010	6.839	1700	6.768	6.719	0215	96
AVERAGE	6.841		6.763	6.693		
STD DEV.:	0.159		0.134	0.125		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2010

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/2010	23.460	1645	22.474	21.570	0530	96
05/02/2010	25.010	1945	23.901	22.950	0715	96
05/03/2010	26.590	1215	25.294	24.190	0230	96
05/04/2010	26.190	1445	25.112	24.120	0615	96
05/05/2010	26.830	1645	25.674	24.730	0600	96
05/06/2010	26.330	1600	25.832	25.340	0615	96
05/07/2010	26.080	1415	25.509	24.710	0730	96
05/08/2010	25.600	0015	25.033	24.120	2400	96
05/09/2010	24.090	0030	23.017	22.280	2345	96
05/10/2010	23.140	1545	22.470	22.000	0500	96
05/11/2010	24.240	1500	22.992	22.130	0630	96
05/12/2010	23.160	1615	22.713	22.250	0600	96
05/13/2010	23.730	1530	22.789	21.890	0615	96
05/14/2010	24.750	1645	23.744	22.950	0515	96
05/15/2010	25.040	1700	24.377	23.730	0915	96
05/16/2010	26.640	1600	25.429	24.390	0645	96
05/17/2010	26.880	1330	25.593	24.840	2400	96
05/18/2010	25.540	1530	24.796	24.060	0645	96
05/19/2010	24.600	0015	24.341	24.220	0800	96
05/20/2010	28.510	1545	24.891	20.380	2400	96
05/21/2010	27.790	2400	23.480	19.840	0445	96
05/22/2010	30.860	1615	29.328	27.810	0015	96
05/23/2010	30.910	1545	29.875	28.540	0745	96
05/24/2010	30.290	2245	28.217	26.330	1330	96
05/25/2010	33.830	1900	31.229	28.030	0445	96
05/26/2010	34.550	1930	33.337	32.090	0545	96
05/27/2010	33.550	1745	32.691	31.650	0830	96
05/28/2010	32.680	0015	31.436	30.450	0715	96
05/29/2010	30.700	0015	29.867	28.830	0715	96
05/30/2010	31.300	1000	30.707	29.910	0300	96
05/31/2010	31.530	1730	30.660	29.810	0645	96
AVERAGE	27.561		26.349	25.166		
STD DEV.:	3.462		3.329	3.330		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2010

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/2010	9.40	0015	9.20	8.91	2400	96
05/02/2010	8.85	0230	8.64	8.37	2400	96
05/03/2010	9.52	1545	8.72	8.23	0745	96
05/04/2010	10.64	1500	10.07	9.17	0345	96
05/05/2010	10.77	1430	10.41	10.03	2330	96
05/06/2010	10.12	0215	9.93	8.65	0130	96
05/07/2010	10.74	1745	10.21	9.76	0130	96
05/08/2010	10.53	1030	10.46	10.39	0715	96
05/09/2010	10.89	2030	10.71	10.43	0030	96
05/10/2010	11.44	2315	11.16	10.82	0230	96
05/11/2010	11.68	1045	11.09	10.79	1115	96
05/12/2010	10.97	1430	10.88	10.79	2330	96
05/13/2010	10.91	0915	10.81	10.61	2345	96
05/14/2010	11.00	1230	10.75	10.32	0900	96
05/15/2010	10.77	0045	10.66	10.43	2400	96
05/16/2010	10.45	0015	10.28	10.05	2345	96
05/17/2010	10.53	1445	9.82	9.34	2315	96
05/18/2010	9.53	1415	9.37	9.23	0615	96
05/19/2010	9.55	1730	9.30	9.04	2345	96
05/20/2010	9.24	1345	9.05	8.88	2400	96
05/21/2010	8.90	0015	8.36	7.49	1300	96
05/22/2010	8.57	2400	8.09	7.59	0045	96
05/23/2010	8.54	0015	8.05	7.73	1045	96
05/24/2010	9.18	1145	8.85	8.01	0245	96
05/25/2010	9.02	1615	8.72	8.34	2400	96
05/26/2010	8.64	1730	8.27	7.90	0645	96
05/27/2010	8.63	1845	8.05	7.54	0630	96
05/28/2010	8.92	1800	8.18	7.36	0630	96
05/29/2010	8.54	1900	8.16	7.69	0700	96
05/30/2010	8.44	1615	8.14	7.81	0645	96
05/31/2010	8.58	1715	8.16	7.71	0700	96
AVERAGE	9.790		9.437	9.013		
STD DEV.:	1.024		1.089	1.187		

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MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2010

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/2010	6.767	0030	6.735	6.697	1645	96
05/02/2010	6.744	1615	6.729	6.713	2300	96
05/03/2010	6.712	0100	6.697	6.678	0830	96
05/04/2010	6.801	0930	6.679	6.623	1000	96
05/05/2010	6.801	1545	6.684	6.643	2400	96
05/06/2010	6.851	0130	6.631	6.593	1215	96
05/07/2010	6.795	1215	6.604	6.565	1300	96
05/08/2010	6.600	0015	6.582	6.569	1615	96
05/09/2010	6.722	2200	6.659	6.584	0015	96
05/10/2010	6.735	0230	6.689	6.638	2315	96
05/11/2010	6.822	1045	6.667	6.638	0030	96
05/12/2010	6.680	0230	6.660	6.633	2400	96
05/13/2010	6.640	0615	6.632	6.620	2345	96
05/14/2010	6.740	0915	6.653	6.592	0800	96
05/15/2010	6.740	1730	6.711	6.679	0300	96
05/16/2010	6.760	1900	6.729	6.704	0230	96
05/17/2010	6.898	1445	6.734	6.706	1515	96
05/18/2010	6.786	1800	6.746	6.708	0145	96
05/19/2010	6.928	2015	6.809	6.717	0715	96
05/20/2010	6.857	1930	6.786	6.735	0300	96
05/21/2010	7.190	1430	6.896	6.784	0445	96
05/22/2010	7.000	1845	6.942	6.896	1430	96
05/23/2010	6.926	2100	6.884	6.833	1200	96
05/24/2010	6.909	1845	6.825	6.689	0415	96
05/25/2010	7.290	1845	7.013	6.686	0830	96
05/26/2010	7.410	2100	7.202	7.060	0715	96
05/27/2010	7.390	1845	7.211	7.070	0800	96
05/28/2010	7.290	0845	7.104	6.971	1045	96
05/29/2010	7.030	1445	6.956	6.878	0715	96
05/30/2010	7.160	1615	6.997	6.887	0800	96
05/31/2010	7.120	1915	7.024	6.936	0800	96
AVERAGE	6.906		6.802	6.733		
STD DEV.:	0.224		0.175	0.141		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2010

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/2010	13.220	1915	12.562	12.000	0830	96
05/02/2010	13.890	1830	13.436	13.000	0115	96
05/03/2010	14.390	1845	14.093	13.710	0015	96
05/04/2010	15.080	2230	14.746	14.250	0015	96
05/05/2010	15.860	1800	15.335	14.750	0930	96
05/06/2010	16.790	1800	16.304	15.870	0015	96
05/07/2010	16.320	1815	16.073	15.800	0900	96
05/08/2010	16.350	0345	15.682	14.760	2400	96
05/09/2010	14.760	0015	13.926	13.580	2030	96
05/10/2010	13.630	0015	13.308	12.980	0915	96
05/11/2010	13.400	1530	13.087	11.570	0915	96
05/12/2010	13.040	1500	12.796	12.570	1030	96
05/13/2010	13.360	1745	12.766	12.220	0830	96
05/14/2010	14.130	1730	13.681	13.140	0015	96
05/15/2010	14.890	1800	14.204	13.630	0600	96
05/16/2010	16.080	1700	15.220	14.390	0230	96
05/17/2010	16.520	1715	15.807	15.210	0215	96
05/18/2010	16.460	1630	16.139	15.790	0215	96
05/19/2010	15.980	0015	15.728	15.260	2400	96
05/20/2010	16.760	1715	15.931	15.180	0515	96
05/21/2010	18.600	1715	17.556	16.410	0100	96
05/22/2010	18.610	1630	18.182	17.760	0045	96
05/23/2010	19.860	1730	18.808	17.890	0345	96
05/24/2010	21.580	1715	20.346	19.130	0345	96
05/25/2010	23.300	1730	21.890	20.490	0545	96
05/26/2010	24.610	1800	23.090	21.790	0645	96
05/27/2010	25.020	1815	23.733	22.700	0815	96
05/28/2010	24.750	1830	23.715	22.750	0830	96
05/29/2010	23.730	0015	23.266	22.640	0845	96
05/30/2010	23.480	1715	23.031	22.510	0845	96
05/31/2010	23.570	1800	22.909	22.170	0900	96
AVERAGE	17.678		17.011	16.319		
STD DEV.:	4.011		3.790	3.640		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2010

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/2010	14.470	1900	13.849	13.360	1230	96
05/02/2010	15.240	1745	14.743	14.200	0215	96
05/03/2010	15.740	2130	15.395	14.950	0245	96
05/04/2010	16.640	1715	16.143	15.520	0215	96
05/05/2010	17.510	1430	16.674	15.780	0945	96
05/06/2010	18.120	1615	17.481	16.620	0130	96
05/07/2010	17.610	1515	17.147	16.670	0545	96
05/08/2010	17.290	0315	16.762	15.850	2345	96
05/09/2010	15.820	0015	14.963	14.460	2230	96
05/10/2010	15.200	1430	14.661	14.180	0600	96
05/11/2010	14.790	0815	14.051	13.230	0830	96
05/12/2010	13.810	1615	13.425	13.110	0600	96
05/13/2010	14.200	1700	13.493	12.790	0700	96
05/14/2010	14.920	1715	14.296	13.770	0045	96
05/15/2010	15.630	1730	14.871	14.090	0630	96
05/16/2010	16.980	1615	15.876	14.830	0415	96
05/17/2010	18.900	1600	17.026	15.360	0715	96
05/18/2010	18.540	1645	17.270	16.080	0515	96
05/19/2010	18.760	0645	16.949	15.800	2345	96
05/20/2010	19.600	1500	17.281	15.540	0745	96
05/21/2010	19.060	1615	17.819	16.600	0530	96
05/22/2010	19.600	1915	18.508	17.810	0515	96
05/23/2010	20.610	1415	19.183	18.010	0500	96
05/24/2010	23.300	2330	21.303	19.340	0245	96
05/25/2010	28.400	2215	24.744	21.620	0830	96
05/26/2010	29.290	2230	27.024	25.070	1215	96
05/27/2010	28.860	1645	27.690	26.500	0800	96
05/28/2010	27.960	1700	27.053	25.830	0915	96
05/29/2010	26.880	0045	26.133	25.180	0745	96
05/30/2010	27.490	1000	26.410	25.700	1600	96
05/31/2010	27.660	1645	26.562	25.490	0630	96
AVERAGE	19.641		18.541	17.527		
STD DEV.:	5.077		4.716	4.438		