



**Public Service
of New Hampshire**

A Northeast Utilities Company

December 21, 2012

D31777

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

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

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

John M. MacDonald
Vice President - Generation

Reference: NPDES Permit No. NH0001465, Merrimack Station,
Public Service Company of New Hampshire, issued on June 25, 1992,
and modified on 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, 2011 through May 31, 2012**. It presents the data collected and explains outages that occurred and summaries of remedial actions taken to keep the systems in service.

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

Very Truly Yours,

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE



John M. MacDonald, Vice President, Generation

Enclosure/ CC: w/Enclosure/ See Page 2

Mr. Harry Stewart, P.E.

December 21, 2012

D31777 / Page 2

CC: w/Enclosure

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

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

Mr. Glenn Normadeau, Executive Director
N. H. Fish and Game Department
11 Hazen Drive
Concord, N. H. 03301

U.S. Environmental Protection Agency
NPDES Program Operations Section
Water Technical Unit OES4-SMR
5 Post Office Square- Suite 100
Boston, MA. 02109-3912

Mr. John King (CPE)
U.S. Environmental Protection Agency- Region I
5 Post Office Square- Suite 100
Boston, MA. 02109-3912

ANNUAL REPORT

2011-2012

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE

MERRIMACK GENERATING STATION

ENVIRONMENTAL MONITORING PROGRAM

(NPDES PERMIT NO. NH0001465)

PSNH Merrimack Station 2011-2012
Environmental River Monitoring Report
NPDES Permit No. NH0001465

TABLE OF CONTENTS

- I. EXECUTIVE SUMMARY
- II. GENERAL BACKGROUND
- III. SYSTEM DESCRIPTION
 - Figure I - Station Locations
- IV. MAINTENANCE PROGRAM
- V. ANNUAL SUMMARY
 - Table 1 - Summary of Monthly Average Data
 - Table 2 - Summary of Major Equipment Malfunctions
 - Table 3 - Summary of Station N-5 and S-0 pH Data
- VI. MONTHLY SUMMARY REPORTS

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.

The attached PSNH Merrimack Station Drawing No. D-10139 displays the continuous biological monitoring program 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 2011 through May 2012.

During the year, there were no major data outages of ten days or longer.

During the year several data outages of lesser duration did occur. 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 was 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 monitoring 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.

EXECUTIVE SUMMARY continued

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 34 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.

EXECUTIVE SUMMARY continued

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

EXECUTIVE SUMMARY continued

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 34 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.

II. GENERAL BACKGROUND continued

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.

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.

Stations N-5 D.O. and S-0 D.O. 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"-12" 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) IA-DCS 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"-12" 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 a heated and ventilated 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, approximately 6"-12" 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"-12" below the water surface.
 2. Inspect pH probe. Clean electrodes. Check to insure the probe is approximately 6"-12" 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"-12" below the surface of the water.
3. Using a calibrated temperature device, 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"-12" below the surface of the water.
2. Using a calibrated temperature device, 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

During the biological river monitoring period in 2011 and 2012 one or both generating units were at times off-line, either in reserve or for maintenance.

While off-line, the unit's circulating water pumps do not operate and no water flow occurs at the unit's intake screen house or the unit's outfall into the station canal.

Interruptions in proper operation of the biological river monitoring equipment due to lack of water flow sometimes occur during these periods.

While the instruments are suspended in still water the data collected is sometimes outside the established range for the pH parameter.

Further explanation is listed in the Table 2 major equipment malfunction list.

D. Discussion continued

A number of equipment repair and replacement events 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 analytical equipment vendors have discontinued manufacturing replacement parts and or factory service for in-service units. Repairs for these units are sometimes more challenging.

When justified, PSNH has replaced entire instruments to maintain the program integrity. As mentioned elsewhere, much attention has also been given to upgrade and improve the computer data processing function which helps audit equipment performance. In general, data retrieval from the program has been good.

V. Annual Summary

pH

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

Temperature

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

Stations S-0, S-4, and N-10 were in service at the beginning of the monitoring period. Station N-10 records are supplemented with data from unit condenser operation log when it is out of service. Station N-10 was removed from service on November 28, 2011 when the ambient river temperature fell below 40° F. Station S-4 was removed from service on November 28, 2011.

Station S-4 was installed on March 13, 2012 and Station N-10 was installed on March 13, 2012. The ambient river temperature was 43.5°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. Outages due to weather and other ambient environmental conditions do occur.

Station N-5 probe was removed from service on December 31, 2011 after ambient river temperature fell below 40°F. Station S-O probe was removed from service on December 28, 2011.

The probe was installed at S-O on March 1, 2012, and the probe was installed at N-5 on March 1, 2012. The average ambient river temperature on March 1, 2012 was 39.2 °F

PSNH stocks 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 was one chill event (formally cold thermal excursions) due to the operation of the plant during the monitoring period.

On February 16, 2012 Unit #1 was offline in a reserve outage to repair an air heater drive, when plant operation was curtailed with Unit #2 at 0750 to perform a brush cleaning and wash on the Unit #2 condenser. Unit #1 was returned to service on February 22, 2012 at 0138 and Unit #2 was returned to service on February 22, 2012 at 1729.

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	20.9	8.31	7.00	29.3	7.0	6.9	21.7
	July	25.9	7.36	6.98	34.0	6.4	7.0	27.2
	August	24.1	6.10	7.02	30.6	6.2	7.0	26.2
Second Quarter	Sept	19.8	6.21	6.97	23.8	6.2	6.9	19.9
	Oct	13.0	7.87	7.03	20.6	7.0	6.7	14.5
	Nov	7.1	11.53	6.93	13.9	9.4	6.7	8.5
Third Quarter	Dec	NA	11.56	6.79	13.3	9.4	6.8	NA
	Jan	NA	NA	6.73	19.9	NA	6.7	NA
	Feb	NA	NA	6.69	14.8	NA	6.8	NA
Fourth Quarter	March	8.0	10.18	7.01	13.3	9.6	6.6	8.5
	April	11.4	9.15	6.93	14.1	9.3	6.6	11.4
	May	14.6	9.38	6.74	15.7	9.0	6.7	14.7

prb/ 2012 MKbiomon.doc

Temperature Units = Degrees Centigrade
 Dissolved Oxygen Units - mg/liter
 pH units - Standard Units
 NA - Station not in service during winter months

TABLE 2. SUMMARY OF MAJOR EQUIPMENT MALFUNCTIONS

<u>DATE</u>	<u>STATION</u>	<u>PARAMETERS</u>	<u>CAUSE/REMEDIAL ACTIONS</u>
6/9-6/10	S0	pH	A lightning strike caused pH isolation loop protection damage. Replaced the protection device with a backup unit and placed in service.
7/14-7/18	S0	pH	Lightning strike causes pH protection loop failure. Replaced device and placed in service.
7/27-7/28	S0	All	In line fuse protection failure. Replaced and placed in service.
8/19-8/22	N10	Temp.	Two RTD failures due to lightning strikes. Replaced calibrated and placed in service.
8/28-9/1	S0	pH	Tree impacted AC Power line causing a ground fault that caused two protection loop devices to fail. Replaced protection devices and placed in service.
9/5-9/6	S0,N10, S4	All	AC Power failure of short duration on the River Road circuit. Unknown cause. Restored 9/6.
9/15-9/16	S0	pH	Lightning strike electrical surge causes pH analyzer failure. Replaced and calibrated.
10/12-10/13	N5	pH, DO	Station required AC power outage in the Unit#2 screen house to perform electrical maintenance. AC power restored on 10/13.
10/29-10/30	S0,N10, S4	All	AC power failure on the River Road circuit. Unknown cause. Instruments reset when AC restored 10/30.
11/3	S0	pH	0915 outage to replace pH probe. In service and calibrated at 1030.

TABLE 2. SUMMARY OF MAJOR EQUIPMENT MALFUNCTIONS

<u>DATE</u>	<u>STATION</u>	<u>PARAMETERS</u>	<u>CAUSE/REMEDIAL ACTIONS</u>
11/24-11/28	N10	Temp.	River RTD probe failure at 41.2 degrees F. Replaced in service unit data with installed unit RTD water box data through 11/28 when river temperature reached 38.8 degrees F.
12/8-12/14	S0	pH	pH probe failure and no flow conditions due to Unit #2 out of service. New pH probe installed, calibrated and placed in service.
1/22-1/27	S0	pH	pH probe failure and out of range data collected. New pH probe installed, calibrated and placed in service.
2/9-2/10	N5	pH	pH analyzer reads full scale and out of range data collected. Re-initialized data logger and placed in service.
2/13-2/14	S0	pH	Internal RTD to the pH probe reading incorrectly. Replaced probe and calibrated.
2/26-2/27	N5	pH	pH probe failure. Replaced with a new 3900 pH probe, calibrated and placed in service.
3/2-3/8	N5	pH	Unit#2 out of service with no water at the screen house. Out of established range pH data collected
3/10-3/16	N5	pH	Unit#2 out of service with no water flow at the screen house. Out of established range pH data collected
3/12-3/13	S0	pH	Unit#2 out of service with no water flow in the canal. Out of established range pH data collected.
3/15-3/21	S0	pH	Unit#2 out of service with no water flow in the canal. Out of established range pH data collected.

TABLE 2. SUMMARY OF MAJOR EQUIPMENT MALFUNCTIONS

<u>DATE</u>	<u>STATION</u>	<u>PARAMETERS</u>	<u>CAUSE/REMEDIAL ACTIONS</u>
4/2-4/3	N5	pH	Unit#1 and Unit#2 out of service with no water flow at the screen house or the canal. Out of established range pH data collected.
4/6-4/7	N5	pH	Unit#1 and Unit#2 out of service with no water flow at the screen house or the canal. Out of established range pH data collected.
4/13-4/19	N5	pH	Unit#1 and Unit#2 out of service with no water flow at the screen house or the canal. Out of established range pH data collected.
4/16-4/19	S0	pH	Unit#1 and Unit#2 out of service with no water flow at the screen house or the canal. Out of established range pH data collected.
4/26-4/27	N5	pH	Unit#1 and Unit#2 out of service with no water flow at the screen house or the canal. Out of established range pH data collected.
5/18	N5	pH	Unit#1 and Unit#2 out of service with no water flow at the screen house or the canal. Out of established range pH data collected. pH unit maintenance performed. Returned to service.
5/21-5/22	N5	pH	pH analyzer failure. Unit reads full scale. Re-initialized program and returned to service.
5/25-5/29	N5	pH	pH analyzer failure. Unit reads full scale on 5/25 and the beginning of a holiday weekend. Re-initialized on 5/29 and returned to service. Unit#1 in service and Unit#2 out of service and no water flow at the unit screen house.

prb/ 2012 MK biomon.doc

TABLE 3. SUMMARY OF pH DATA

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

<u>MONTH</u>	<u>N-5 RANGE</u>	<u>S-0 RANGE</u>
JUNE	6.59 -7.34	6.66 -7.23
JULY	6.74 -7.58	6.68 -7.54
AUGUST	6.56 -7.40	6.30 -7.59
SEPTEMBER	6.30 -7.22	6.31 -7.29
OCTOBER	6.80 -7.31	6.71 -6.84
NOVEMBER	6.51 -7.54	6.72 -6.84
DECEMBER	6.54 -7.22	6.56 -6.99
JANUARY	6.52 -7.04	6.57 -6.90
FEBRUARY	6.45 -7.25	6.58 -7.21
MARCH	6.52 -7.35	6.50 -7.00
APRIL	6.50 -7.34	6.50 -6.89
MAY	6.81 -7.33	6.51 -7.09

prb/ 2012 MKbiomon.doc.

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.

TABLE OF CONTENTS

Merrimack Station biological monitoring data is organized in the following chronological sequence, June 2011 through May 2012. 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 2011

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2011	7.51	1145	7.18	6.76	2315	96
06/02/2011	8.12	0830	7.51	6.76	0130	96
06/03/2011	7.87	0915	7.37	7.02	0515	96
06/04/2011	7.52	1015	7.13	6.63	0330	96
06/05/2011	7.51	0845	6.97	6.48	1715	96
06/06/2011	7.85	1200	7.01	6.76	1145	96
06/07/2011	7.43	0515	6.88	6.48	1800	96
06/08/2011	7.11	0430	6.56	6.13	1915	96
06/09/2011	6.65	1215	6.40	6.21	1645	96
06/10/2011	7.27	2300	6.86	6.34	0015	96
06/11/2011	7.59	1800	7.40	7.06	0230	96
06/12/2011	7.69	1100	7.62	7.50	0430	96
06/13/2011	7.84	0630	7.69	7.54	0900	96
06/14/2011	7.91	1600	7.70	7.56	0300	96
06/15/2011	8.21	1715	7.23	6.38	1015	96
06/16/2011	7.54	1030	6.90	6.24	2015	96
06/17/2011	6.67	0945	6.38	6.26	1645	96
06/18/2011	6.64	0530	6.37	6.22	0645	96
06/19/2011	6.96	0845	6.50	6.20	2145	96
06/20/2011	7.58	1000	6.76	6.13	0600	96
06/21/2011	7.03	1000	6.57	6.21	2230	96
06/22/2011	6.81	1030	6.40	6.23	0115	96
06/23/2011	7.00	1145	6.63	6.23	0130	96
06/24/2011	7.70	2245	7.19	6.57	0745	96
06/25/2011	7.84	1630	7.63	7.41	1600	96
06/26/2011	7.86	0630	7.60	7.30	1715	96
06/27/2011	7.65	1015	7.24	6.84	2400	96
06/28/2011	7.50	1030	7.04	6.71	0015	96
06/29/2011	7.38	0730	7.11	6.59	0815	96
06/30/2011	7.50	1000	7.30	6.95	2145	96
AVERAGE	7.458		7.038	6.656		
STD DEV.:	0.430		0.427	0.457		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR June 2011

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2011	7.230	1315	7.151	7.090	0400	96
06/02/2011	7.210	0800	7.185	7.130	0200	96
06/03/2011	7.220	0045	7.007	6.877	2230	96
06/04/2011	6.955	1645	6.869	6.769	0800	96
06/05/2011	7.010	1530	6.945	6.885	0745	96
06/06/2011	6.992	1530	6.912	6.791	0500	96
06/07/2011	7.040	1100	6.946	6.871	0415	96
06/08/2011	7.060	1700	6.943	6.858	0230	96
06/09/2011	7.030	1415	6.957	6.910	0230	59
06/10/2011	7.030	1715	6.946	6.870	2115	64
06/11/2011	7.040	1800	6.966	6.904	0015	96
06/12/2011	7.080	0600	7.009	6.952	0015	96
06/13/2011	7.040	0600	6.942	6.853	0930	96
06/14/2011	6.958	2115	6.920	6.878	0215	96
06/15/2011	6.983	1145	6.923	6.804	2000	96
06/16/2011	7.000	1430	6.922	6.775	1045	96
06/17/2011	6.979	1815	6.914	6.840	0500	96
06/18/2011	7.000	1430	6.954	6.902	0115	96
06/19/2011	7.020	1400	6.949	6.899	0415	96
06/20/2011	7.020	1415	6.939	6.890	0015	96
06/21/2011	7.040	1345	6.955	6.885	0130	96
06/22/2011	7.060	1330	6.949	6.874	0500	96
06/23/2011	7.030	1330	6.964	6.900	0315	96
06/24/2011	7.010	1400	6.974	6.947	1945	96
06/25/2011	7.030	0215	6.924	6.840	2345	96
06/26/2011	6.876	0230	6.833	6.785	2245	96
06/27/2011	6.838	0945	6.788	6.722	0745	96
06/28/2011	6.837	1430	6.757	6.663	0430	96
06/29/2011	6.860	1330	6.802	6.739	0330	96
06/30/2011	6.901	2000	6.824	6.775	0730	96
AVERAGE	7.013		6.936	6.863		
STD DEV.:	0.096		0.088	0.095		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2011

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2011	30.860	1700	29.847	29.050	0630	96
06/02/2011	29.940	0015	28.316	26.410	2400	96
06/03/2011	27.470	2400	26.812	26.070	0130	96
06/04/2011	30.120	1430	28.253	26.990	0615	96
06/05/2011	30.920	1700	29.046	26.490	0645	96
06/06/2011	32.240	1645	29.543	27.350	0330	96
06/07/2011	33.860	1515	31.322	28.000	0600	96
06/08/2011	35.340	1645	32.268	29.190	0600	96
06/09/2011	35.710	1515	32.646	31.040	0745	96
06/10/2011	34.280	1545	31.829	29.560	2400	96
06/11/2011	30.240	0200	28.688	27.650	2400	96
06/12/2011	27.610	0015	26.629	25.840	2400	96
06/13/2011	27.640	1445	26.659	25.040	0700	96
06/14/2011	27.780	2400	27.086	26.750	0715	96
06/15/2011	29.710	1545	28.426	27.190	0700	96
06/16/2011	31.910	2045	29.078	26.610	0700	96
06/17/2011	31.830	2000	30.304	28.920	0900	96
06/18/2011	32.300	1915	29.984	28.310	0445	96
06/19/2011	31.150	0015	29.323	27.990	0915	96
06/20/2011	31.790	2215	29.465	27.890	0630	96
06/21/2011	33.900	1730	31.423	28.660	0630	96
06/22/2011	33.150	1615	31.750	30.370	0830	96
06/23/2011	31.960	0015	29.767	28.310	2400	96
06/24/2011	28.290	0015	27.375	26.380	2400	96
06/25/2011	26.520	1845	26.225	25.840	0900	96
06/26/2011	28.990	2400	27.295	26.190	0615	96
06/27/2011	31.560	1730	29.492	27.240	0715	96
06/28/2011	32.400	1845	30.691	28.660	0445	96
06/29/2011	31.520	1715	30.576	29.460	0745	96
06/30/2011	31.350	2045	29.537	28.540	0615	96
AVERAGE	31.078		29.322	27.733		
STD DEV.:	2.371		1.785	1.448		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2011

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2011	9.12	1115	8.98	8.78	2200	96
06/02/2011	9.23	1130	8.70	8.28	2330	96
06/03/2011	9.21	1445	8.64	8.37	0515	96
06/04/2011	8.76	2015	8.63	8.47	0600	96
06/05/2011	8.86	1745	8.73	8.62	0530	96
06/06/2011	9.01	1845	8.74	8.48	1245	96
06/07/2011	8.95	1715	8.78	8.60	0615	96
06/08/2011	8.99	1500	8.71	8.43	2400	96
06/09/2011	8.59	1500	8.15	7.70	2400	96
06/10/2011	8.59	1430	8.00	7.46	0345	96
06/11/2011	8.01	1400	7.77	7.43	2400	96
06/12/2011	7.82	1115	7.32	6.92	2400	96
06/13/2011	8.39	1745	7.65	6.80	0515	96
06/14/2011	8.58	1730	8.44	8.30	0015	96
06/15/2011	8.83	1400	8.63	8.41	2330	96
06/16/2011	8.78	1800	8.50	8.23	1045	96
06/17/2011	8.46	0015	8.29	8.08	2230	96
06/18/2011	8.48	1630	8.21	7.98	0400	96
06/19/2011	8.41	1500	8.10	7.80	2400	96
06/20/2011	8.93	1745	8.28	7.62	0545	96
06/21/2011	9.21	1830	8.62	8.14	0645	96
06/22/2011	8.89	1615	8.48	8.10	0645	96
06/23/2011	8.19	0015	7.84	7.49	2400	96
06/24/2011	8.00	2400	7.71	7.47	0015	96
06/25/2011	8.54	1800	8.35	7.99	0015	96
06/26/2011	8.66	2015	8.54	8.41	0815	96
06/27/2011	8.62	0015	8.50	8.33	2330	96
06/28/2011	8.40	0030	8.19	8.04	2330	96
06/29/2011	8.06	0030	7.93	7.79	2330	96
06/30/2011	7.86	1145	7.79	7.68	2330	96
AVERAGE	8.614		8.306	8.007		
STD DEV.:	0.403		0.408	0.492		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2011

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2011	6.736	1415	6.648	6.589	0400	96
06/02/2011	7.010	1630	6.858	6.619	0900	96
06/03/2011	7.210	1430	7.065	6.989	0645	96
06/04/2011	7.110	1130	7.075	7.040	2200	96
06/05/2011	7.120	1215	7.071	7.000	2400	96
06/06/2011	7.170	1345	7.033	6.984	0415	96
06/07/2011	7.120	1615	7.053	6.986	0530	96
06/08/2011	7.160	1715	7.052	6.960	0545	96
06/09/2011	7.140	1515	7.000	6.916	0645	96
06/10/2011	7.090	1445	6.960	6.850	0615	96
06/11/2011	7.020	1515	6.967	6.914	0615	96
06/12/2011	7.000	1400	6.959	6.914	0715	96
06/13/2011	7.250	1130	7.004	6.940	0230	96
06/14/2011	7.090	1215	7.045	7.000	0045	96
06/15/2011	7.140	1330	7.079	7.010	0045	96
06/16/2011	7.170	1345	7.100	7.050	2345	96
06/17/2011	7.110	2145	7.053	7.010	0615	96
06/18/2011	7.210	1630	7.129	7.050	0700	96
06/19/2011	7.260	1600	7.101	6.986	0900	96
06/20/2011	7.260	1745	7.115	7.010	1200	96
06/21/2011	7.340	1830	7.108	6.950	0700	96
06/22/2011	7.160	1700	7.052	6.933	0715	96
06/23/2011	7.120	2045	6.977	6.906	0900	96
06/24/2011	7.000	2345	6.966	6.920	0345	96
06/25/2011	7.010	1600	6.990	6.959	1115	96
06/26/2011	7.050	1430	6.996	6.957	0415	96
06/27/2011	7.030	2100	6.980	6.939	1015	96
06/28/2011	7.010	0030	6.934	6.884	1200	96
06/29/2011	6.961	1645	6.919	6.891	2345	96
06/30/2011	6.915	1430	6.882	6.836	2315	96
AVERAGE	7.099		7.006	6.933		
STD DEV.:	0.121		0.097	0.105		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2011

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2011	21.580	2215	21.093	20.490	0930	96
06/02/2011	21.490	0015	20.581	19.360	2400	96
06/03/2011	19.340	0015	18.949	18.640	1015	96
06/04/2011	19.730	1615	19.007	18.370	0645	96
06/05/2011	19.730	1800	19.186	18.650	0700	96
06/06/2011	20.630	1815	19.935	19.170	0245	96
06/07/2011	22.070	1630	21.179	20.280	0330	96
06/08/2011	23.590	1700	22.393	21.210	0630	96
06/09/2011	24.450	1545	23.277	22.320	0745	96
06/10/2011	24.360	1545	23.482	22.770	0700	96
06/11/2011	23.240	0015	22.732	21.740	2400	96
06/12/2011	21.710	0015	20.654	19.710	2400	96
06/13/2011	19.920	1730	19.521	19.220	0900	96
06/14/2011	19.530	1215	19.317	18.800	2400	96
06/15/2011	19.630	1815	19.026	18.440	0630	96
06/16/2011	21.090	1830	20.341	19.450	0145	96
06/17/2011	21.610	1500	21.283	20.990	2400	96
06/18/2011	21.970	1745	21.291	20.800	0445	96
06/19/2011	22.430	1600	21.798	21.170	0630	96
06/20/2011	22.860	1630	22.007	21.030	0645	96
06/21/2011	23.640	1815	22.448	20.730	1000	96
06/22/2011	23.370	1800	22.895	22.340	0915	96
06/23/2011	23.100	0015	21.009	19.410	1215	96
06/24/2011	21.430	0015	20.530	19.620	2400	96
06/25/2011	19.590	0015	18.915	18.620	1115	96
06/26/2011	19.570	2130	19.118	18.750	0715	96
06/27/2011	20.990	2315	19.983	19.210	0730	96
06/28/2011	21.800	2230	21.320	20.830	0815	96
06/29/2011	22.380	2015	21.944	21.500	0900	96
06/30/2011	22.270	0015	22.085	21.910	2400	96
AVERAGE	21.637		20.910	20.184		
STD DEV.:	1.537		1.404	1.318		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2011

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
06/01/2011	22.660	1545	22.239	21.540	0945	96
06/02/2011	22.450	0045	21.580	20.180	2400	96
06/03/2011	20.370	1715	19.984	19.590	2400	96
06/04/2011	21.260	1730	20.079	19.330	0645	96
06/05/2011	21.000	1815	20.221	19.650	0600	96
06/06/2011	21.740	1700	20.841	20.000	0130	96
06/07/2011	24.300	1930	22.317	20.880	0415	96
06/08/2011	26.020	2300	23.882	22.030	0745	96
06/09/2011	26.880	1530	25.389	23.140	0745	96
06/10/2011	25.930	2145	24.631	23.440	0815	96
06/11/2011	24.240	1330	23.497	23.090	1945	96
06/12/2011	23.600	0230	21.460	20.270	2400	96
06/13/2011	20.440	1930	20.038	19.710	1015	96
06/14/2011	20.100	1515	19.838	19.430	2400	96
06/15/2011	20.530	1745	19.663	18.970	0715	96
06/16/2011	21.940	1815	20.878	19.880	0115	96
06/17/2011	23.320	1500	21.870	21.380	0530	96
06/18/2011	22.850	1945	21.794	21.120	0745	96
06/19/2011	23.060	2045	22.177	21.390	0800	96
06/20/2011	23.970	2000	22.454	21.320	0830	96
06/21/2011	24.400	1815	23.051	21.900	0945	96
06/22/2011	23.850	0945	23.291	22.920	1100	96
06/23/2011	24.160	0330	22.676	21.940	2400	96
06/24/2011	21.930	0015	21.138	20.220	2345	96
06/25/2011	20.360	0015	19.664	19.270	1215	96
06/26/2011	20.450	1800	19.998	19.610	0015	96
06/27/2011	21.610	2345	20.735	20.010	0815	96
06/28/2011	22.490	1745	21.962	21.460	0900	96
06/29/2011	23.070	1900	22.489	21.980	0945	96
06/30/2011	22.740	1815	22.578	22.340	2345	96
AVERAGE	22.724		21.747	20.933		
STD DEV.:	1.802		1.512	1.309		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2011

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2011	7.81	0815	7.38	7.00	2215	96
07/02/2011	7.39	1415	7.16	6.83	2115	96
07/03/2011	7.38	0245	7.07	6.30	0015	96
07/04/2011	7.20	1100	6.76	6.20	2100	96
07/05/2011	7.43	1015	6.77	6.42	2015	96
07/06/2011	7.35	0430	6.68	6.06	1900	96
07/07/2011	6.74	0645	6.39	6.08	1945	96
07/08/2011	7.27	0845	6.73	6.07	0500	96
07/09/2011	6.97	0300	6.75	6.51	1800	96
07/10/2011	7.17	0745	6.72	6.22	1815	96
07/11/2011	7.08	0745	6.63	6.36	2345	96
07/12/2011	6.77	0530	6.26	5.90	2115	96
07/13/2011	6.54	0600	6.16	5.90	2100	96
07/14/2011	7.31	0945	6.65	5.92	0130	96
07/15/2011	7.22	0745	6.66	5.97	1500	96
07/16/2011	6.70	0645	6.38	5.85	2315	96
07/17/2011	6.41	0600	6.10	5.85	2230	96
07/18/2011	7.11	0915	6.35	5.84	0300	96
07/19/2011	6.70	0830	6.29	5.88	2400	96
07/20/2011	6.55	0945	6.07	5.75	2345	96
07/21/2011	6.12	1000	5.82	5.66	1745	96
07/22/2011	6.35	1415	6.12	5.76	0330	96
07/23/2011	6.52	1315	6.11	5.50	2345	96
07/24/2011	5.95	1215	5.66	5.50	0215	96
07/25/2011	6.85	0945	6.33	5.81	0130	96
07/26/2011	6.53	1145	6.19	5.74	2245	96
07/27/2011	6.43	1230	5.97	5.80	0515	96
07/28/2011	6.52	0930	6.07	5.61	2015	96
07/29/2011	7.09	0915	6.47	5.70	0030	96
07/30/2011	7.07	1430	6.53	5.78	2130	96
07/31/2011	6.69	1415	6.43	6.22	1800	96
AVERAGE	6.877		6.440	5.999		
STD DEV.:	0.433		0.387	0.355		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR July 2011

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2011	6.907	1615	6.839	6.767	0145	96
07/02/2011	6.927	1500	6.857	6.778	0430	96
07/03/2011	6.917	0830	6.862	6.792	0100	96
07/04/2011	6.940	1130	6.872	6.736	2400	96
07/05/2011	6.996	1615	6.842	6.709	0115	96
07/06/2011	7.040	1300	6.879	6.682	0245	96
07/07/2011	7.060	1315	6.898	6.732	0230	96
07/08/2011	6.999	1415	6.896	6.732	0800	96
07/09/2011	7.040	0630	6.942	6.835	2215	96
07/10/2011	7.050	1415	6.957	6.808	0130	96
07/11/2011	7.100	1245	6.914	6.737	0645	96
07/12/2011	7.100	1000	6.952	6.738	0445	96
07/13/2011	7.160	1245	6.945	6.755	2300	96
07/14/2011	7.100	1030	6.889	6.789	0015	42
07/15/2011	7.100	0845	7.100	7.100	0845	1
07/18/2011	7.140	1245	7.029	6.817	0830	63
07/19/2011	7.150	1115	6.985	6.747	0230	96
07/20/2011	7.200	1345	6.981	6.738	0330	96
07/21/2011	7.230	1230	7.048	6.790	0730	96
07/22/2011	7.170	1230	7.098	6.986	0100	96
07/23/2011	7.400	1515	7.117	6.845	0515	96
07/24/2011	7.350	1415	7.085	6.876	0300	96
07/25/2011	7.260	1445	7.048	6.838	0200	96
07/26/2011	7.390	1500	7.181	7.010	2330	96
07/27/2011	7.350	1215	7.137	6.938	1400	56
07/28/2011	7.540	1500	7.298	6.976	2315	54
07/29/2011	7.250	1230	7.088	6.967	0200	96
07/30/2011	7.310	1500	7.156	6.903	2400	96
07/31/2011	7.490	1430	7.171	6.904	0030	96

AVERAGE	7.161	7.002	6.828
STD DEV.:	0.172	0.123	0.105

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2011

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2011	31.500	2145	29.712	28.330	0630	96
07/02/2011	31.330	1700	30.207	28.720	0645	96
07/03/2011	31.250	0815	30.463	29.850	0600	96
07/04/2011	34.440	2030	31.571	29.890	0730	96
07/05/2011	35.350	1930	32.193	30.010	0730	96
07/06/2011	36.590	1630	33.517	29.620	0600	96
07/07/2011	35.990	1930	34.148	32.230	0645	96
07/08/2011	35.220	0015	33.082	30.860	0800	96
07/09/2011	34.070	1600	32.631	31.350	0315	96
07/10/2011	35.370	2315	32.259	30.110	0715	96
07/11/2011	37.200	2315	34.556	30.780	0700	96
07/12/2011	38.050	1600	36.675	34.200	0700	96
07/13/2011	37.390	0015	35.773	33.470	2400	96
07/14/2011	34.740	1645	32.886	31.040	0745	96
07/15/2011	34.710	1845	32.558	30.600	0645	96
07/16/2011	35.570	1915	33.054	30.950	0645	96
07/17/2011	36.790	1930	33.947	31.700	0645	96
07/18/2011	37.260	2300	35.107	32.140	0800	96
07/19/2011	37.060	1815	35.682	33.340	0730	96
07/20/2011	37.870	1615	35.901	33.020	0700	96
07/21/2011	38.760	1800	37.546	34.600	0700	96
07/22/2011	39.510	1115	38.940	38.280	0030	96
07/23/2011	39.510	2315	37.171	35.180	0915	96
07/24/2011	39.500	0030	37.716	35.930	1045	96
07/25/2011	37.260	0015	35.109	33.690	2400	96
07/26/2011	36.470	1915	34.330	33.450	0830	96
07/27/2011	34.170	1700	33.693	33.190	0615	96
07/28/2011	36.360	1900	34.057	32.260	0745	96
07/29/2011	34.180	0015	33.338	32.870	0830	96
07/30/2011	35.870	2045	33.501	32.570	0645	96
07/31/2011	33.310	0015	31.655	29.770	2400	96
AVERAGE	35.892		33.967	32.065		
STD DEV.:	2.239		2.246	2.220		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2011

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2011	8.15	0815	7.79	7.65	0030	96
07/02/2011	8.13	1730	7.88	7.65	0400	96
07/03/2011	8.01	1545	7.76	7.52	2400	96
07/04/2011	7.99	1845	7.61	7.28	0630	96
07/05/2011	8.24	1815	7.73	7.27	0530	96
07/06/2011	8.31	1830	7.75	7.33	0615	96
07/07/2011	8.23	1930	7.67	7.18	0715	96
07/08/2011	7.83	1800	7.44	7.09	0730	96
07/09/2011	8.12	1845	7.60	7.11	0715	96
07/10/2011	8.28	1900	7.72	7.20	0645	96
07/11/2011	8.41	1845	7.77	7.21	0700	96
07/12/2011	8.12	1830	7.57	7.01	0800	96
07/13/2011	7.67	0030	7.30	6.92	0745	96
07/14/2011	7.77	1800	7.29	6.89	0630	96
07/15/2011	7.63	1745	7.21	6.77	0645	96
07/16/2011	7.74	2000	7.27	6.84	0730	96
07/17/2011	8.04	1745	7.39	6.77	0715	96
07/18/2011	7.60	1630	7.20	6.73	0815	96
07/19/2011	8.10	1830	7.33	6.67	0700	96
07/20/2011	8.31	1800	7.42	6.51	0800	96
07/21/2011	8.39	1800	7.39	6.52	0700	96
07/22/2011	8.37	1730	7.29	6.23	0730	96
07/23/2011	7.77	1730	6.82	5.90	0845	96
07/24/2011	7.49	2015	6.61	5.80	0815	96
07/25/2011	7.01	1715	6.53	5.82	0845	96
07/26/2011	7.41	1945	6.74	6.07	0900	96
07/27/2011	7.83	1930	7.04	6.26	0730	96
07/28/2011	8.56	1745	7.56	6.68	0645	96
07/29/2011	7.56	0015	6.92	6.56	0930	96
07/30/2011	7.73	1830	7.06	6.50	0700	96
07/31/2011	8.25	1815	7.37	6.55	0630	96
AVERAGE	7.969		7.356	6.790		
STD DEV.:	0.354		0.361	0.509		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2011

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2011	6.896	1700	6.849	6.788	0830	96
07/02/2011	6.927	1900	6.848	6.783	0400	96
07/03/2011	6.903	1715	6.824	6.744	0530	96
07/04/2011	6.945	1945	6.840	6.756	0715	96
07/05/2011	7.030	1915	6.881	6.761	0630	96
07/06/2011	7.110	1930	6.948	6.821	0700	96
07/07/2011	7.150	1945	6.969	6.861	0830	96
07/08/2011	7.060	1630	6.973	6.867	0730	96
07/09/2011	7.110	1845	6.993	6.896	0845	96
07/10/2011	7.160	1915	7.022	6.907	0830	96
07/11/2011	7.200	1915	7.040	6.919	0645	96
07/12/2011	7.120	1900	6.987	6.875	0730	96
07/13/2011	7.030	0030	6.915	6.832	0715	96
07/14/2011	7.030	1715	6.909	6.810	0415	96
07/15/2011	7.020	1245	6.902	6.802	0530	96
07/16/2011	6.996	1815	6.910	6.845	0645	96
07/17/2011	7.080	1715	6.904	6.742	0715	96
07/18/2011	7.010	1130	6.912	6.812	0545	96
07/19/2011	7.220	1915	7.012	6.847	0615	96
07/20/2011	7.270	2115	7.021	6.817	0700	96
07/21/2011	7.480	1815	7.090	6.850	0700	96
07/22/2011	7.580	1730	7.150	6.876	0645	96
07/23/2011	7.340	1730	7.026	6.833	1000	96
07/24/2011	7.190	2145	6.992	6.795	0815	96
07/25/2011	7.090	1430	6.966	6.819	0900	96
07/26/2011	7.230	1700	7.032	6.916	0715	96
07/27/2011	7.200	1930	7.059	6.912	0715	96
07/28/2011	7.520	1815	7.180	6.956	0645	96
07/29/2011	7.170	0015	7.059	6.995	0645	96
07/30/2011	7.270	1900	7.102	6.956	0615	96
07/31/2011	7.310	1800	7.132	7.000	0530	96
AVERAGE	7.150		6.982	6.851		
STD DEV.:	0.171		0.094	0.070		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2011

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2011	22.680	1615	22.254	21.910	0015	96
07/02/2011	23.800	1800	22.848	21.940	0530	96
07/03/2011	23.910	1630	23.371	22.830	0630	96
07/04/2011	24.490	1800	23.546	22.700	0715	96
07/05/2011	25.660	1815	24.343	23.240	0700	96
07/06/2011	26.500	1830	25.191	24.200	1045	96
07/07/2011	26.390	1900	25.565	24.440	1200	96
07/08/2011	25.810	0015	25.096	23.510	1300	96
07/09/2011	25.410	0015	25.076	24.680	1015	96
07/10/2011	26.040	1945	25.044	24.120	0800	96
07/11/2011	26.880	2000	25.735	24.800	0930	96
07/12/2011	27.470	2000	26.645	25.920	0945	96
07/13/2011	27.400	1715	26.938	26.250	2345	96
07/14/2011	27.380	1800	26.438	25.350	0830	96
07/15/2011	26.600	1715	26.079	25.290	0415	96
07/16/2011	26.810	2000	25.852	25.040	0445	96
07/17/2011	27.150	2115	26.281	25.540	0630	96
07/18/2011	26.830	0015	26.342	25.660	0845	96
07/19/2011	27.500	1845	26.243	25.010	1345	96
07/20/2011	27.270	2215	26.464	26.000	0715	96
07/21/2011	27.900	2230	26.880	26.210	0815	96
07/22/2011	29.450	1845	28.222	26.890	0900	96
07/23/2011	29.590	1645	28.777	27.970	0845	96
07/24/2011	29.650	1830	28.994	28.390	0830	96
07/25/2011	29.230	0015	28.126	27.230	2400	96
07/26/2011	27.340	1915	26.901	26.460	1015	96
07/27/2011	26.840	0015	26.436	25.980	0815	96
07/28/2011	26.830	1845	25.922	25.080	0745	96
07/29/2011	26.120	0015	25.550	25.320	2400	96
07/30/2011	26.550	1830	25.639	24.910	0730	96
07/31/2011	26.680	1845	25.847	25.080	0730	96

AVERAGE	26.715	25.892	25.095
STD DEV.:	1.606	1.560	1.567

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2011

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/2011	23.360	1830	22.739	22.230	0315	96
07/02/2011	24.950	1815	23.461	22.140	0815	96
07/03/2011	24.960	1545	23.840	23.140	0930	96
07/04/2011	25.800	1730	24.065	23.120	0845	96
07/05/2011	25.790	1930	24.629	23.590	0730	96
07/06/2011	28.180	1945	25.507	24.540	1100	96
07/07/2011	27.510	1230	26.049	25.190	0930	96
07/08/2011	26.340	0015	25.430	24.990	1200	96
07/09/2011	27.400	1700	26.032	25.220	2400	96
07/10/2011	26.790	1800	25.379	24.590	0800	96
07/11/2011	26.880	2400	25.921	25.120	0930	96
07/12/2011	28.360	1845	26.929	26.470	0815	96
07/13/2011	29.990	2115	27.541	27.000	0900	96
07/14/2011	27.750	0145	26.818	26.240	1030	96
07/15/2011	27.250	0015	26.495	26.100	1100	96
07/16/2011	26.680	2230	26.129	25.670	0800	96
07/17/2011	27.420	1900	26.562	26.000	1230	96
07/18/2011	27.290	0030	26.734	26.370	1500	96
07/19/2011	27.400	2400	26.837	26.490	0845	96
07/20/2011	29.020	1745	27.457	26.600	1145	96
07/21/2011	29.650	1600	28.234	27.170	1015	96
07/22/2011	33.960	1000	30.080	28.080	0915	96
07/23/2011	33.130	1715	31.268	29.980	0400	96
07/24/2011	33.130	1245	31.343	30.140	0130	96
07/25/2011	32.510	0345	31.392	30.540	2400	96
07/26/2011	32.260	2245	30.374	29.180	0715	96
07/27/2011	31.220	0015	29.718	28.790	1500	96
07/28/2011	30.090	1315	29.027	27.530	1645	96
07/29/2011	30.590	0130	28.915	27.990	0945	96
07/30/2011	30.540	0030	28.907	27.460	0700	96
07/31/2011	32.100	2400	29.565	27.710	0915	96
AVERAGE	28.655		27.206	26.303		
STD DEV.:	2.741		2.380	2.209		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2011

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2011	7.09	0515	6.55	6.01	2000	96
08/02/2011	6.65	1045	6.28	5.83	1615	96
08/03/2011	7.01	1415	6.69	6.27	2300	96
08/04/2011	7.30	0230	6.69	6.17	0145	96
08/05/2011	7.18	0845	6.32	5.71	2145	96
08/06/2011	6.20	0830	5.78	5.26	2030	96
08/07/2011	6.59	2115	5.89	5.22	1645	96
08/08/2011	6.77	0745	6.16	5.51	2015	96
08/09/2011	6.12	0915	5.76	5.53	2330	96
08/10/2011	6.50	0645	5.75	5.38	1800	96
08/11/2011	7.22	1245	6.45	5.58	0015	96
08/12/2011	6.61	0915	6.20	5.65	1945	96
08/13/2011	6.39	1030	6.00	5.68	0030	96
08/14/2011	6.52	2200	6.10	5.80	0815	96
08/15/2011	7.28	2315	6.27	5.04	0430	96
08/16/2011	7.32	0915	6.58	6.09	2315	96
08/17/2011	6.36	0915	5.88	5.01	2200	96
08/18/2011	6.58	1230	5.66	5.02	0015	96
08/19/2011	7.03	1300	6.13	5.60	0045	96
08/20/2011	6.58	1515	5.79	5.10	2400	96
08/21/2011	6.28	1245	5.41	5.06	1915	96
08/22/2011	6.69	1215	5.79	5.02	0215	96
08/23/2011	7.26	1230	6.60	5.93	0045	96
08/24/2011	7.42	1230	6.63	5.92	2400	96
08/25/2011	6.64	1430	6.04	5.44	0830	96
08/26/2011	7.11	1045	6.33	5.61	0315	96
08/27/2011	7.26	1230	6.59	5.78	2115	96
08/28/2011	6.91	1045	6.11	5.68	0315	96
08/29/2011	7.02	1015	6.46	6.01	0015	96
08/30/2011	7.39	1330	6.91	6.55	2015	96
08/31/2011	6.90	0700	6.48	6.12	1615	96
AVERAGE	6.845		6.203	5.631		
STD DEV.:	0.382		0.370	0.411		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR August 2011

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/11	7.590	1245	7.125	6.826	0230	96
08/02/11	7.470	1330	7.136	6.894	2400	96
08/03/11	7.500	1415	7.128	6.902	0030	96
08/04/11	7.460	1345	7.168	6.893	2330	96
08/05/11	7.530	1330	7.169	6.908	0015	96
08/06/11	7.560	1230	7.189	6.949	0145	96
08/07/11	7.490	1330	7.175	6.960	0400	96
08/08/11	7.510	1200	7.173	6.906	0630	96
08/09/11	7.470	1430	7.125	6.919	0130	96
08/10/11	7.400	1500	7.149	6.967	2400	96
08/11/11	7.450	1330	7.173	6.970	0015	96
08/12/11	7.440	1445	7.168	6.999	2400	96
08/13/11	7.490	1500	7.169	6.976	2400	96
08/14/11	7.170	1115	7.070	6.986	0045	96
08/15/11	7.140	1500	7.041	6.941	0515	96
08/16/11	7.450	1530	7.209	7.030	0100	96
08/17/11	7.520	1530	7.196	6.993	2345	96
08/18/11	7.460	1600	7.107	6.941	0300	96
08/19/11	7.220	1215	6.996	6.847	0615	64
08/22/11	7.170	1245	7.002	6.840	2230	46
08/23/11	7.250	1345	7.030	6.857	0015	96
08/24/11	7.130	1445	6.932	6.777	2230	96
08/25/11	7.130	1545	6.922	6.760	0200	96
08/26/11	7.060	1200	6.894	6.758	0700	96
08/27/11	6.978	1530	6.869	6.752	0715	96
08/28/11	6.911	0015	6.865	6.465	0945	39
08/29/11	6.800	1315	6.593	6.511	2345	44
08/30/11	6.900	1030	6.900	6.900	1030	1
08/31/11	6.300	1045	6.300	6.300	1045	1
AVERAGE	7.274		7.034	6.853		
STD DEV.:	0.294		0.200	0.168		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2011

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2011	37.560	1730	33.843	29.450	0730	96
08/02/2011	37.230	1715	35.050	33.090	0700	96
08/03/2011	36.900	1715	34.318	32.940	0715	96
08/04/2011	37.210	1815	34.793	33.220	0700	96
08/05/2011	36.830	1845	35.086	33.720	0645	96
08/06/2011	37.510	1500	35.576	33.550	0730	96
08/07/2011	37.920	2315	35.678	33.820	0830	96
08/08/2011	37.680	1600	36.461	34.730	0715	96
08/09/2011	36.870	1545	35.003	33.960	2400	96
08/10/2011	35.540	2100	33.966	33.160	0915	96
08/11/2011	33.630	0015	33.303	33.000	0745	96
08/12/2011	33.570	1700	32.892	32.030	0715	96
08/13/2011	33.650	1645	32.871	31.960	0815	96
08/14/2011	33.020	0015	32.742	32.290	2400	96
08/15/2011	32.220	0015	27.722	25.900	2400	96
08/16/2011	26.270	1915	25.606	24.890	0915	96
08/17/2011	27.460	1515	26.499	25.370	0715	96
08/18/2011	28.480	2400	27.228	26.050	0745	96
08/19/2011	29.060	1500	28.468	28.000	0745	96
08/20/2011	29.390	1515	28.751	27.950	0830	96
08/21/2011	29.190	0015	28.837	28.330	0815	96
08/22/2011	29.300	0415	28.175	26.400	2400	96
08/23/2011	27.240	1900	26.452	25.320	0745	96
08/24/2011	27.450	1515	26.722	25.740	0745	96
08/25/2011	28.430	2400	27.437	26.790	0515	96
08/26/2011	29.130	1445	28.315	27.440	0715	96
08/27/2011	28.690	2400	28.127	27.550	0815	96
08/28/2011	28.690	0015	27.619	25.600	2400	96
08/29/2011	28.130	1330	26.063	24.370	0730	96
08/30/2011	30.360	1700	27.075	24.700	0515	96
08/31/2011	30.210	1500	28.047	27.100	0730	96
AVERAGE	32.091		30.604	29.304		
STD DEV.:	3.996		3.652	3.557		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2011

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2011	7.88	1845	7.26	6.57	0700	96
08/02/2011	8.12	1900	7.19	6.55	0645	96
08/03/2011	8.00	1745	7.17	6.57	0730	96
08/04/2011	7.69	1815	7.09	6.53	0600	96
08/05/2011	7.88	1830	7.09	6.45	0800	96
08/06/2011	7.71	1900	7.03	6.48	0930	96
08/07/2011	7.43	1930	6.90	6.43	0645	96
08/08/2011	7.53	1945	6.93	6.54	0900	96
08/09/2011	7.66	1745	7.05	6.50	0600	96
08/10/2011	7.42	1800	6.95	6.54	0645	96
08/11/2011	8.12	1915	7.31	6.55	0800	96
08/12/2011	8.29	1700	7.58	6.85	0700	96
08/13/2011	8.62	1930	7.89	7.20	0700	96
08/14/2011	8.20	2330	7.74	7.26	0745	96
08/15/2011	7.90	0015	7.51	7.21	0815	96
08/16/2011	8.38	0615	6.15	3.99	2030	96
08/17/2011	5.94	1715	5.16	4.26	0115	96
08/18/2011	5.48	0045	4.76	4.47	1215	96
08/19/2011	6.92	1215	4.79	4.17	2345	96
08/20/2011	5.04	1715	4.37	3.86	0645	96
08/21/2011	4.90	1515	4.26	3.93	0715	96
08/22/2011	4.72	1800	4.26	3.94	0645	96
08/23/2011	6.17	1230	4.92	4.28	0215	96
08/24/2011	5.80	1515	5.19	4.54	2330	96
08/25/2011	5.27	0900	4.95	4.57	0215	96
08/26/2011	5.40	1615	4.97	4.50	2230	96
08/27/2011	5.24	1415	4.69	4.23	0245	96
08/28/2011	5.47	1430	4.90	4.07	0245	96
08/29/2011	5.64	2045	5.23	4.79	0630	96
08/30/2011	6.88	1000	5.80	5.10	0345	96
08/31/2011	6.31	0645	5.89	5.47	1915	96
AVERAGE	6.839		6.097	5.496		
STD DEV.:	1.254		1.214	1.225		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2011

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/11	7.210	1715	7.095	6.982	0745	96
08/02/11	7.330	1915	7.070	6.903	0830	96
08/03/11	7.350	1715	7.080	6.845	0800	96
08/04/11	7.300	1645	7.111	6.911	0700	96
08/05/11	7.250	1700	7.088	6.954	1145	96
08/06/11	7.390	2030	7.110	6.929	1130	96
08/07/11	7.290	1600	7.013	6.877	0730	96
08/08/11	7.140	0915	7.012	6.886	1045	96
08/09/11	7.280	1015	7.021	6.896	0930	96
08/10/11	7.130	1715	6.994	6.915	0830	96
08/11/11	7.220	1930	7.070	6.931	0715	96
08/12/11	7.300	1715	7.106	6.930	0630	96
08/13/11	7.400	1845	7.179	6.985	0615	96
08/14/11	7.300	2230	7.146	7.010	0845	96
08/15/11	7.170	2230	7.070	6.932	1215	96
08/16/11	7.210	1715	7.014	6.690	0315	96
08/17/11	7.240	1600	7.176	7.120	0745	96
08/18/11	7.190	0030	7.127	7.070	2315	96
08/19/11	7.150	1215	7.078	7.050	0200	96
08/20/11	7.070	1745	7.038	6.995	1045	96
08/21/11	7.070	1630	7.012	6.968	1045	96
08/22/11	7.070	1830	6.998	6.916	0900	96
08/23/11	7.130	1430	7.029	6.950	0415	96
08/24/11	7.100	1845	7.041	6.996	0915	96
08/25/11	7.030	0015	6.997	6.945	2400	96
08/26/11	6.974	2145	6.924	6.871	1045	96
08/27/11	7.040	2000	6.967	6.898	0930	96
08/28/11	7.030	0430	6.965	6.878	2030	96
08/29/11	6.958	1300	6.908	6.854	2345	96
08/30/11	6.500	1015	6.500	6.500	1015	1
08/31/11	6.300	1000	6.300	6.300	1000	1
AVERAGE	7.133		7.008	6.900		
STD DEV.:	0.231		0.177	0.156		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2011

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
08/01/2011	27.100	1430	26.246	25.690	0630	96
08/02/2011	27.330	1830	26.447	25.730	0645	96
08/03/2011	27.060	1545	26.397	25.690	0800	96
08/04/2011	26.940	1815	26.273	25.750	0745	96
08/05/2011	26.770	1700	26.139	25.640	0800	96
08/06/2011	26.970	1815	26.268	25.650	0745	96
08/07/2011	27.120	2030	26.469	25.920	1000	96
08/08/2011	27.970	1815	27.138	26.480	0730	96
08/09/2011	27.490	0015	26.979	26.540	0800	96
08/10/2011	26.660	1715	26.322	26.040	0830	96
08/11/2011	26.670	1715	26.062	25.510	0730	96
08/12/2011	26.180	1745	25.613	25.050	0700	96
08/13/2011	25.850	1830	25.368	24.950	0815	96
08/14/2011	25.350	0015	25.020	24.740	2400	96
08/15/2011	24.720	0015	24.193	23.490	2400	96
08/16/2011	23.470	0015	22.627	22.040	2215	96
08/17/2011	22.640	1700	22.252	21.870	0730	96
08/18/2011	22.910	1730	22.483	22.050	0830	96
08/19/2011	23.650	1615	23.007	22.510	0230	93
08/21/2011	27.840	1400	24.210	18.570	1330	3
08/22/2011	22.940	1015	22.078	20.910	1000	57
08/23/2011	23.800	1045	22.730	10.670	1030	95
08/24/2011	23.190	1645	22.668	21.430	1345	96
08/25/2011	22.590	0015	22.210	20.900	1800	96
08/26/2011	23.130	2130	22.387	21.010	0145	96
08/27/2011	23.330	1700	23.090	22.820	1045	96
08/28/2011	23.000	0015	22.691	22.420	2400	96
08/29/2011	22.390	0015	21.563	21.020	2330	96
08/30/2011	20.870	0015	19.896	19.540	1200	96
08/31/2011	19.840	2030	19.555	18.910	0900	73

AVERAGE	24.859	24.146	22.985
STD DEV.:	2.269	2.176	3.356

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2011

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM		DAILY AVERAGE	MINIMUM		#of INT.
	(PARAM)	TIME		(PARAM)	TIME	
08/01/2011	33.380	2045	31.438	29.900	0745	96
08/02/2011	31.910	0330	30.770	28.890	1730	96
08/03/2011	31.760	2215	30.333	29.400	1115	96
08/04/2011	31.130	1500	30.059	28.420	2000	96
08/05/2011	32.410	1815	30.702	29.380	0615	96
08/06/2011	33.320	2330	31.000	27.750	0745	96
08/07/2011	32.970	1800	30.926	28.210	2115	96
08/08/2011	33.460	0245	31.204	28.480	2145	96
08/09/2011	31.900	1245	31.034	29.860	1100	96
08/10/2011	31.510	2315	30.158	28.890	1430	96
08/11/2011	31.160	1545	30.258	28.940	0900	96
08/12/2011	30.060	2045	29.040	27.660	1000	96
08/13/2011	30.810	1730	29.198	27.930	1015	96
08/14/2011	29.450	1815	28.346	27.390	0715	96
08/15/2011	27.810	0015	25.538	23.580	2400	96
08/16/2011	23.580	0015	22.715	21.950	2400	96
08/17/2011	22.970	1630	22.328	21.870	0630	96
08/18/2011	23.260	1745	22.608	22.130	0845	96
08/19/2011	24.180	1615	23.083	22.410	0515	96
08/20/2011	25.740	1615	24.074	22.930	0645	96
08/21/2011	25.690	1515	24.685	23.790	0845	96
08/22/2011	24.930	0030	24.465	24.030	0845	96
08/23/2011	24.140	0030	23.410	22.550	2400	96
08/24/2011	23.650	1615	22.905	22.400	0800	96
08/25/2011	22.790	0015	22.443	22.290	2315	96
08/26/2011	23.520	1800	22.689	21.980	0830	96
08/27/2011	23.740	1730	23.339	23.010	0915	96
08/28/2011	23.290	0030	22.840	22.410	2400	96
08/29/2011	22.360	0015	21.657	20.930	2400	96
08/30/2011	20.900	0015	20.188	19.810	0915	96
08/31/2011	20.310	1815	20.039	19.710	0930	96
AVERAGE	27.358		26.241	25.125		
STD DEV.:	4.374		3.947	3.409		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2011

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/11	7.06	1015	6.62	6.11	0815	96
09/02/11	7.04	1400	6.66	6.39	1715	96
09/03/11	6.97	0630	6.27	5.71	1400	96
09/04/11	6.78	1300	6.10	5.43	2315	96
09/05/11	6.34	0915	5.86	5.60	0030	72
09/06/11	7.10	0045	6.41	5.87	0730	94
09/07/11	7.10	1230	6.26	5.99	1800	96
09/08/11	7.19	0830	6.26	5.94	0600	96
09/09/11	6.78	1545	6.16	5.66	0445	96
09/10/11	6.83	1615	6.20	5.84	0530	96
09/11/11	7.01	1415	6.20	5.33	2230	96
09/12/11	7.38	1615	6.50	5.44	0045	96
09/13/11	7.94	1230	7.10	6.35	0845	96
09/14/11	8.99	1945	7.72	6.42	0315	96
09/15/11	7.84	1400	6.81	5.37	2400	96
09/16/11	7.18	1230	6.08	5.36	0215	96
09/17/11	7.06	2015	6.07	5.10	0245	96
09/18/11	6.51	1515	5.80	5.16	0815	96
09/19/11	7.11	1600	6.03	5.31	0930	96
09/20/11	6.75	1100	6.16	5.46	2130	96
09/21/11	6.70	1645	5.85	5.13	0445	96
09/22/11	6.87	1145	6.35	5.71	2015	96
09/23/11	7.37	1430	6.48	5.66	2015	96
09/24/11	7.24	1000	6.56	5.90	1530	96
09/25/11	6.83	1415	6.24	5.87	2330	96
09/26/11	6.24	1230	5.80	5.61	1700	96
09/27/11	6.03	1300	5.65	5.42	0300	96
09/28/11	6.01	1645	5.46	5.22	2315	96
09/29/11	5.83	1615	5.42	5.14	0100	96
09/30/11	5.66	1145	5.35	5.11	1430	96
AVERAGE	6.925		6.214	5.620		
STD DEV.:	0.656		0.494	0.386		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2011

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2011	28.580	1615	27.709	27.010	0700	96
09/02/2011	29.380	1515	27.128	24.550	2400	96
09/03/2011	30.100	1145	27.146	24.310	0330	96
09/04/2011	29.750	1430	28.684	27.330	0015	96
09/05/2011	29.210	0100	28.997	28.710	0830	72
09/06/2011	28.830	0100	27.350	24.840	0045	94
09/07/2011	27.100	0015	24.626	22.120	1230	96
09/08/2011	23.500	1545	23.030	21.380	0830	96
09/09/2011	23.980	1545	22.735	21.450	0615	96
09/10/2011	22.590	1530	21.713	20.990	2400	96
09/11/2011	21.990	1400	20.845	20.250	2300	96
09/12/2011	23.710	1500	21.458	20.270	0700	96
09/13/2011	23.430	1300	22.026	20.940	0700	96
09/14/2011	24.820	1700	22.723	21.260	0615	96
09/15/2011	22.690	0045	21.609	19.980	2400	96
09/16/2011	21.680	1245	20.436	19.000	0645	96
09/17/2011	21.760	1715	20.358	19.200	0715	96
09/18/2011	20.750	1515	19.838	19.080	2400	96
09/19/2011	22.220	1430	19.729	18.390	0800	96
09/20/2011	20.590	1545	19.624	18.850	0530	96
09/21/2011	21.770	1400	19.688	18.650	0800	96
09/22/2011	21.050	1215	20.062	19.690	2015	96
09/23/2011	21.700	1345	20.318	19.600	2115	96
09/24/2011	21.720	2115	20.931	20.130	0200	96
09/25/2011	23.590	2400	21.600	20.440	0645	96
09/26/2011	31.170	1530	27.818	23.780	0015	96
09/27/2011	31.780	1330	29.375	26.740	2215	96
09/28/2011	30.830	0430	28.526	26.510	1930	96
09/29/2011	31.060	0430	28.655	25.950	2345	96
09/30/2011	30.510	1400	29.994	26.810	0015	96
AVERAGE	25.395		23.824	22.274		
STD DEV.:	3.904		3.674	3.168		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2011

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2011	6.67	1045	6.07	5.70	2130	96
09/02/2011	6.41	0830	5.93	5.50	2245	96
09/03/2011	6.08	0245	5.61	5.39	1345	96
09/04/2011	6.18	2000	5.91	5.55	0130	96
09/05/2011	6.71	1930	5.96	5.51	0415	96
09/06/2011	6.40	1300	5.57	5.09	2100	96
09/07/2011	6.55	1345	6.03	5.26	0645	96
09/08/2011	6.90	1715	6.11	5.66	0100	96
09/09/2011	7.08	1415	6.30	5.72	2230	96
09/10/2011	7.57	1000	6.34	5.63	2215	96
09/11/2011	6.69	1130	6.05	5.43	2345	96
09/12/2011	7.40	1130	6.25	5.42	0730	96
09/13/2011	6.70	1645	6.24	5.53	0815	96
09/14/2011	6.45	0015	5.93	5.44	1945	96
09/15/2011	6.94	1300	6.04	5.24	0600	96
09/16/2011	7.28	1315	6.65	6.02	0100	96
09/17/2011	7.52	1400	6.89	6.42	0100	96
09/18/2011	7.40	1215	6.93	6.57	2245	96
09/19/2011	7.68	1445	6.83	6.17	2230	96
09/20/2011	7.08	0530	6.51	5.82	1830	96
09/21/2011	7.04	1645	6.43	5.92	1500	96
09/22/2011	7.03	1700	6.43	5.92	0045	96
09/23/2011	7.09	1700	6.64	6.25	0045	96
09/24/2011	7.89	1700	6.81	6.04	0645	96
09/25/2011	6.94	0130	6.16	5.47	1745	96
09/26/2011	6.76	1730	6.07	5.51	2300	96
09/27/2011	6.58	1645	5.93	5.51	2230	96
09/28/2011	6.69	1630	5.99	5.48	0915	96
09/29/2011	6.58	2200	5.81	5.47	1430	96
09/30/2011	7.46	1300	5.92	5.27	1915	96
AVERAGE	6.924		6.212	5.664		
STD DEV.:	0.453		0.366	0.358		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2011

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2011	6.645	2130	6.620	6.300	0930	54
09/02/2011	6.732	2200	6.688	6.638	0030	96
09/03/2011	6.751	1745	6.730	6.708	1045	96
09/04/2011	7.770	2045	6.803	6.693	1545	96
09/05/2011	7.223	1600	7.013	6.769	0015	96
09/06/2011	7.160	0315	6.893	6.835	0500	96
09/07/2011	6.979	1430	6.937	6.882	0030	96
09/08/2011	7.020	1045	6.989	6.946	0530	96
09/09/2011	7.010	2000	6.963	6.899	0645	96
09/10/2011	7.040	1230	6.973	6.754	0930	96
09/11/2011	7.000	0030	6.978	6.934	1000	96
09/12/2011	6.999	0045	6.971	6.935	1630	96
09/13/2011	6.987	0045	6.930	6.896	1645	96
09/14/2011	6.941	1515	6.910	6.864	0900	96
09/15/2011	6.938	0600	6.908	6.874	2000	96
09/16/2011	7.010	1730	6.957	6.906	1100	96
09/17/2011	7.070	1915	7.034	6.988	0115	96
09/18/2011	7.060	1830	7.034	7.010	1215	96
09/19/2011	7.090	1800	7.061	7.030	0200	96
09/20/2011	7.100	0800	7.072	7.050	1715	96
09/21/2011	7.100	1845	7.072	7.050	0200	96
09/22/2011	7.120	1315	7.082	7.050	0300	96
09/23/2011	7.090	1615	7.050	7.030	2245	96
09/24/2011	7.110	1830	7.067	7.030	0015	96
09/25/2011	7.120	1830	7.077	7.040	1030	96
09/26/2011	7.110	0015	7.090	7.060	2245	96
09/27/2011	7.090	0515	7.069	7.050	0830	96
09/28/2011	7.090	1900	7.056	7.010	1330	96
09/29/2011	7.080	0630	7.011	6.872	2400	96
09/30/2011	7.040	2300	6.933	6.838	0600	96
AVERAGE	7.049		6.966	6.898		
STD DEV.:	0.185		0.120	0.164		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2011

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2011	19.980	2045	19.677	19.350	0800	96
09/02/2011	20.360	2030	19.913	19.530	0815	96
09/03/2011	21.230	2400	20.386	19.910	0900	96
09/04/2011	22.510	2400	21.736	21.220	0630	96
09/05/2011	22.680	1900	22.474	22.260	0930	77
09/06/2011	22.730	0215	22.036	21.830	1030	88
09/07/2011	21.840	0015	20.914	20.320	2400	96
09/08/2011	20.330	0015	19.864	19.490	2400	96
09/09/2011	19.590	2000	19.330	19.060	0745	96
09/10/2011	19.860	1915	19.427	19.050	0715	96
09/11/2011	19.800	1930	19.464	19.070	0845	96
09/12/2011	20.320	2200	19.783	19.290	0730	96
09/13/2011	21.090	2200	20.512	19.940	0745	96
09/14/2011	21.430	2145	21.017	20.610	0845	96
09/15/2011	21.360	0015	20.774	19.830	2400	96
09/16/2011	19.810	0015	19.079	18.630	2345	96
09/17/2011	18.640	1730	18.422	18.130	2400	96
09/18/2011	18.290	1815	18.057	17.710	1015	96
09/19/2011	18.270	1900	17.928	17.620	0900	96
09/20/2011	17.900	0445	17.776	17.630	2400	96
09/21/2011	18.400	1945	17.890	17.490	0830	96
09/22/2011	18.790	1730	18.572	18.180	0100	96
09/23/2011	18.900	1530	18.758	18.640	0100	96
09/24/2011	19.300	1745	18.972	18.730	0015	96
09/25/2011	19.720	2215	19.269	18.920	0645	96
09/26/2011	20.310	1845	19.975	19.650	0830	96
09/27/2011	20.580	1745	20.311	19.980	0845	96
09/28/2011	20.860	1815	20.637	20.400	0845	96
09/29/2011	20.750	0315	20.367	19.850	2400	96
09/30/2011	19.830	0015	19.541	19.290	0900	96

AVERAGE	20.182		19.762	19.387	
STD DEV.:	1.317		1.211	1.177	

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2011

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
09/01/2011	20.510	1800	20.194	19.860	0700	96
09/02/2011	20.870	1645	20.471	20.090	0745	96
09/03/2011	21.730	2345	21.038	20.380	0600	96
09/04/2011	23.170	1600	22.418	21.690	0030	96
09/05/2011	23.380	1500	23.128	22.900	0715	76
09/06/2011	23.010	0200	22.442	20.140	0145	90
09/07/2011	22.200	0015	21.035	20.220	2315	96
09/08/2011	20.210	0015	19.817	19.420	2345	96
09/09/2011	19.550	1915	19.315	19.030	0815	96
09/10/2011	19.690	2015	19.410	19.000	0745	96
09/11/2011	19.660	1530	19.419	19.040	0830	96
09/12/2011	20.250	1515	19.781	19.220	0700	96
09/13/2011	21.140	1600	20.521	19.850	0715	96
09/14/2011	21.450	1615	21.052	20.580	0800	96
09/15/2011	21.210	0015	20.778	19.750	2400	96
09/16/2011	19.720	0015	19.078	18.440	2400	96
09/17/2011	18.870	1445	18.411	18.080	0645	96
09/18/2011	18.400	1330	17.989	17.740	2400	96
09/19/2011	18.410	1415	17.832	17.340	0815	96
09/20/2011	17.850	1615	17.650	17.440	2400	96
09/21/2011	18.510	1430	17.879	17.340	0745	96
09/22/2011	18.920	1600	18.499	18.040	0245	96
09/23/2011	19.070	1000	18.660	18.530	2330	96
09/24/2011	19.150	1815	18.824	18.530	0015	96
09/25/2011	19.560	1700	19.160	18.760	0800	96
09/26/2011	20.690	1645	20.130	19.560	0015	96
09/27/2011	21.000	1715	20.574	20.250	0915	96
09/28/2011	21.220	1600	20.858	20.580	0030	96
09/29/2011	20.920	0630	20.554	19.870	2400	96
09/30/2011	19.890	0015	19.666	19.390	0800	96
AVERAGE	20.340		19.886	19.369		
STD DEV.:	1.455		1.397	1.265		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2011

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2011	7.28	1845	6.36	5.52	0400	96
10/02/2011	6.91	0145	6.37	5.99	0915	96
10/03/2011	6.53	2330	5.99	5.63	1645	96
10/04/2011	6.70	0115	6.15	5.86	1845	96
10/05/2011	8.03	1600	6.88	5.80	0445	96
10/06/2011	7.63	1245	7.28	6.74	0645	96
10/07/2011	7.61	1615	7.23	6.71	0645	96
10/08/2011	7.36	1500	6.98	6.42	1000	96
10/09/2011	7.32	1615	6.80	6.10	0930	96
10/10/2011	7.36	1545	6.70	6.03	0915	96
10/11/2011	7.41	1545	6.82	6.32	1800	96
10/12/2011	7.92	0800	7.49	6.94	0745	96
10/13/2011	7.76	0800	7.15	6.44	1615	96
10/14/2011	7.35	1715	7.20	6.96	1145	96
10/15/2011	7.40	1545	7.18	6.93	1915	96
10/16/2011	7.59	1500	7.04	6.70	2345	96
10/17/2011	7.61	1345	6.93	6.58	0515	96
10/18/2011	7.04	1400	6.55	6.32	2330	96
10/19/2011	6.48	1545	6.26	6.13	0645	96
10/20/2011	7.79	1545	6.82	5.88	0745	96
10/21/2011	7.59	1245	7.10	6.81	2330	96
10/22/2011	7.19	1145	6.89	6.72	0945	96
10/23/2011	7.61	1245	7.00	6.75	0645	96
10/24/2011	7.69	1600	7.12	6.82	0100	96
10/25/2011	7.77	1130	7.08	6.78	2045	96
10/26/2011	7.04	1500	6.80	6.28	0615	96
10/27/2011	7.89	1000	7.29	6.69	0015	96
10/28/2011	8.09	1200	7.63	7.13	2345	96
10/29/2011	7.54	1500	7.14	6.78	0300	75
10/30/2011	9.35	1600	8.35	7.64	2130	34
10/31/2011	8.93	1400	8.26	7.44	0645	96
AVERAGE	7.541		6.994	6.511		
STD DEV.:	0.588		0.515	0.507		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR October 2011

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM		DAILY AVERAGE	MINIMUM		#of INT.
	(PARAM)	TIME		(PARAM)	TIME	
10/03/2011	6.840	0900	6.743	6.735	1800	62
10/04/2011	6.739	0200	6.732	6.728	1300	96
10/05/2011	6.735	1315	6.730	6.724	2200	96
10/06/2011	6.736	1245	6.727	6.720	2230	96
10/07/2011	6.740	1500	6.728	6.718	0430	96
10/08/2011	6.755	1400	6.736	6.722	0515	96
10/09/2011	6.759	1345	6.740	6.728	0500	96
10/10/2011	6.751	1300	6.742	6.733	0500	96
10/11/2011	6.753	1300	6.744	6.708	1700	96
10/12/2011	6.752	1000	6.747	6.739	0400	96
10/13/2011	6.750	0030	6.749	6.747	0945	96
10/14/2011	6.753	1200	6.749	6.748	0015	96
10/15/2011	6.751	1445	6.745	6.740	0615	96
10/16/2011	6.749	1400	6.746	6.742	0300	96
10/17/2011	6.749	1015	6.745	6.740	2330	96
10/18/2011	6.749	1315	6.743	6.739	0100	96
10/19/2011	6.748	1115	6.742	6.739	0115	96
10/20/2011	6.749	1615	6.744	6.740	0115	96
10/21/2011	6.748	1230	6.742	6.738	2345	96
10/22/2011	6.747	1400	6.741	6.737	2215	96
10/23/2011	6.744	0900	6.741	6.736	0700	96
10/24/2011	6.748	1345	6.740	6.733	0545	96
10/25/2011	6.745	1030	6.740	6.733	2315	96
10/26/2011	6.737	0130	6.734	6.732	0045	96
10/27/2011	6.735	0015	6.732	6.730	1830	96
10/28/2011	6.741	1500	6.733	6.728	0330	96
10/29/2011	6.748	1830	6.725	6.720	1615	76
10/31/2011	6.746	1300	6.735	6.728	1245	46
AVERAGE	6.750		6.739	6.732		
STD DEV.:	0.019		0.007	0.009		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2011

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2011	29.290	0015	26.083	21.810	2400	96
10/02/2011	21.770	0015	20.497	19.740	1545	96
10/03/2011	19.820	1400	19.318	17.940	2315	96
10/04/2011	18.560	0745	18.190	17.280	1130	96
10/05/2011	17.960	1300	17.367	16.460	0745	96
10/06/2011	16.920	1430	16.274	15.560	0700	96
10/07/2011	18.210	1615	16.306	14.910	0715	96
10/08/2011	19.340	1615	16.797	15.220	0745	96
10/09/2011	19.600	1715	17.196	15.420	0745	96
10/10/2011	18.270	1545	17.102	15.840	0745	96
10/11/2011	18.710	1445	16.956	16.100	2115	96
10/12/2011	24.500	2400	21.742	16.320	0015	96
10/13/2011	25.220	2400	24.916	24.510	0015	96
10/14/2011	25.490	1830	25.322	25.120	0645	96
10/15/2011	25.440	0015	24.944	24.500	2330	96
10/16/2011	24.590	1430	24.277	24.010	0715	96
10/17/2011	24.590	1415	24.192	23.890	0800	96
10/18/2011	24.550	1615	24.167	23.810	0630	96
10/19/2011	24.040	0015	23.738	23.590	0900	96
10/20/2011	24.540	1515	23.982	23.640	0115	96
10/21/2011	24.100	1545	23.700	23.100	0830	96
10/22/2011	23.970	1400	23.513	23.170	0700	96
10/23/2011	23.850	1500	23.457	23.080	0715	96
10/24/2011	23.560	1615	23.179	22.740	0830	96
10/25/2011	23.460	0015	23.028	22.310	2215	96
10/26/2011	23.080	1300	22.890	22.430	0045	96
10/27/2011	22.850	0015	22.252	21.400	2400	96
10/28/2011	21.650	1415	21.038	19.290	2400	96
10/29/2011	19.180	0015	14.890	9.640	1915	79
10/30/2011	10.380	1930	10.174	9.750	1600	33
10/31/2011	10.960	1430	9.924	8.370	0745	95
AVERAGE	21.563		20.562	19.385		
STD DEV.:	4.132		4.322	4.789		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2011

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2011	7.37	2030	6.26	5.85	1400	96
10/02/2011	7.96	2145	7.20	6.31	0215	96
10/03/2011	8.41	1730	7.64	7.04	0730	96
10/04/2011	8.39	1115	7.64	6.82	2300	96
10/05/2011	9.69	0915	8.21	6.83	0215	96
10/06/2011	9.05	2330	8.49	7.89	0945	96
10/07/2011	9.38	1630	8.58	7.69	1115	96
10/08/2011	9.03	1745	8.28	7.52	1245	96
10/09/2011	8.87	1315	8.32	7.46	1930	96
10/10/2011	8.77	0100	7.96	6.98	1930	96
10/11/2011	8.40	0115	7.28	6.69	0815	96
10/12/2011	8.26	1130	7.06	6.55	0630	50
10/13/2011	7.69	1645	7.17	6.72	2345	42
10/14/2011	7.21	2245	6.59	6.10	1500	96
10/15/2011	9.04	1700	7.82	6.13	2115	96
10/16/2011	8.88	0945	8.16	7.48	2345	96
10/17/2011	9.47	1445	8.35	7.57	2000	96
10/18/2011	9.00	1645	7.86	7.05	1315	96
10/19/2011	8.67	2215	7.98	7.27	2015	96
10/20/2011	8.84	1700	7.54	6.95	1530	96
10/21/2011	8.59	1400	7.79	7.17	1815	96
10/22/2011	8.66	1130	8.00	7.34	2115	96
10/23/2011	9.19	1345	8.07	7.38	2300	96
10/24/2011	9.08	0800	8.24	7.63	2330	96
10/25/2011	8.72	1245	8.10	7.11	2330	96
10/26/2011	7.95	1630	7.27	6.73	0615	96
10/27/2011	8.16	1000	7.12	5.82	2030	96
10/28/2011	9.23	2215	7.38	6.38	0045	96
10/29/2011	9.59	1330	9.02	8.17	0100	96
10/30/2011	9.96	1315	9.38	8.70	0115	96
10/31/2011	9.94	0030	9.27	8.30	2115	96
AVERAGE	8.756		7.873	7.084		
STD DEV.:	0.681		0.709	0.694		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2011

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2011	7.050	1230	7.027	6.991	1800	96
10/02/2011	7.070	0945	7.039	6.998	2330	96
10/03/2011	7.020	0145	6.996	6.948	2330	96
10/04/2011	6.988	0230	6.938	6.865	2230	96
10/05/2011	6.989	1915	6.925	6.851	0430	96
10/06/2011	7.030	1915	6.996	6.963	0800	96
10/07/2011	7.060	2300	7.020	6.982	0215	96
10/08/2011	7.060	0015	7.025	6.982	0615	96
10/09/2011	7.050	0030	6.995	6.955	1500	96
10/10/2011	7.010	0030	6.988	6.954	1530	96
10/11/2011	7.010	0145	6.991	6.950	0115	96
10/12/2011	7.040	0315	7.017	6.932	1230	50
10/13/2011	7.060	2000	7.008	6.903	1345	42
10/14/2011	7.000	0615	6.987	6.960	2245	96
10/15/2011	7.100	2215	6.956	6.856	0900	96
10/16/2011	7.130	1800	7.084	7.050	1500	96
10/17/2011	7.110	0100	6.994	6.894	1445	96
10/18/2011	6.948	1900	6.916	6.859	1645	96
10/19/2011	6.948	2230	6.920	6.886	0730	96
10/20/2011	6.963	0345	6.931	6.801	1645	96
10/21/2011	7.050	2345	6.990	6.921	1115	96
10/22/2011	7.080	2315	7.040	6.990	1130	96
10/23/2011	7.110	1630	7.080	7.010	1345	96
10/24/2011	7.120	1830	7.084	7.040	0830	96
10/25/2011	7.110	1715	7.084	7.050	1115	96
10/26/2011	7.110	0200	7.077	7.040	1330	96
10/27/2011	7.100	1530	7.072	7.030	0515	96
10/28/2011	7.160	2115	7.108	7.060	0130	96
10/29/2011	7.210	2330	7.170	7.120	0730	96
10/30/2011	7.310	1815	7.249	7.200	0015	96
10/31/2011	7.310	0100	7.282	7.250	2045	96
AVERAGE	7.074		7.032	6.977		
STD DEV.:	0.088		0.087	0.099		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2011

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
10/01/2011	19.610	0100	19.121	18.660	2400	96
10/02/2011	18.660	0030	17.913	17.230	2400	96
10/03/2011	17.210	0015	16.769	16.530	2000	96
10/04/2011	16.600	0015	15.947	15.480	2345	95
10/05/2011	15.480	0015	15.148	14.770	1345	96
10/06/2011	14.910	0015	14.545	14.250	2400	96
10/07/2011	14.240	0015	13.794	13.590	1145	96
10/08/2011	13.940	2330	13.636	13.310	1015	96
10/09/2011	14.400	2230	14.027	13.670	0945	96
10/10/2011	15.040	2330	14.509	14.050	0900	96
10/11/2011	15.240	1830	14.934	14.570	0945	96
10/12/2011	15.120	0015	14.849	14.610	0915	96
10/13/2011	14.650	0045	14.494	14.110	0930	96
10/14/2011	14.630	1815	14.479	14.300	0130	96
10/15/2011	14.700	1615	14.583	14.490	0815	96
10/16/2011	14.550	0015	14.067	13.730	2400	96
10/17/2011	13.720	0015	13.463	13.280	2400	96
10/18/2011	13.270	0015	12.821	12.620	2330	96
10/19/2011	12.600	0015	12.246	11.950	2300	96
10/20/2011	12.410	1645	12.113	11.890	0630	96
10/21/2011	12.150	2245	11.985	11.780	0830	96
10/22/2011	12.140	0015	11.906	11.780	2045	96
10/23/2011	11.800	0015	11.579	11.430	2400	96
10/24/2011	11.430	0015	11.218	11.110	1400	96
10/25/2011	11.340	1600	11.164	11.020	0830	96
10/26/2011	11.120	0015	10.676	10.470	2215	96
10/27/2011	10.500	0145	10.308	10.120	1945	96
10/28/2011	10.100	0015	9.547	9.280	1945	96
10/29/2011	9.360	0015	8.693	7.420	2400	95
10/30/2011	7.710	0315	7.157	6.490	2245	32
10/31/2011	7.070	0045	6.565	6.393	1100	96

AVERAGE	13.410		13.041	12.722	
STD DEV.:	2.849		2.841	2.856	

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2011

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM		DAILY AVERAGE	MINIMUM		#of INT.
	(PARAM)	TIME		(PARAM)	TIME	
10/01/2011	19.650	0030	19.100	18.550	2330	96
10/02/2011	18.610	2030	18.554	18.510	0645	96
10/03/2011	18.600	0015	18.175	17.690	2400	96
10/04/2011	17.680	0015	17.233	16.820	2145	96
10/05/2011	16.920	0030	16.733	16.100	2400	96
10/06/2011	16.040	0015	15.201	14.810	1330	96
10/07/2011	15.460	0300	15.186	14.780	2345	96
10/08/2011	14.770	0015	14.503	14.280	1115	96
10/09/2011	14.890	2330	14.644	14.430	1100	96
10/10/2011	15.350	2400	15.019	14.750	1015	96
10/11/2011	15.540	2215	15.401	15.250	1215	96
10/12/2011	15.650	1915	15.577	15.520	1300	96
10/13/2011	15.620	0015	15.527	15.450	2100	96
10/14/2011	15.530	2345	15.426	15.350	1030	96
10/15/2011	15.550	0330	15.501	15.450	2400	96
10/16/2011	15.450	0015	15.329	15.250	1445	96
10/17/2011	15.350	0015	15.182	15.050	1530	96
10/18/2011	15.070	0015	14.818	14.630	2345	96
10/19/2011	14.630	0015	14.391	14.160	2345	96
10/20/2011	14.150	0015	13.992	13.910	1400	96
10/21/2011	13.990	0015	13.851	13.770	1430	96
10/22/2011	13.800	0145	13.717	13.650	2300	96
10/23/2011	13.640	0015	13.489	13.380	2345	96
10/24/2011	13.370	0015	13.176	13.050	2345	96
10/25/2011	13.050	0015	12.993	12.940	1315	96
10/26/2011	12.970	0015	12.776	12.610	2345	96
10/27/2011	12.610	0015	12.426	12.210	2400	96
10/28/2011	12.210	0015	11.901	11.600	2400	96
10/29/2011	11.590	0015	11.075	8.560	2045	85
10/30/2011	9.720	1800	9.604	9.194	1645	30
10/31/2011	9.480	0015	9.181	8.960	2345	96
AVERAGE	14.740		14.506	14.215		
STD DEV.:	2.303		2.275	2.396		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2011

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2011	8.78	1500	8.22	7.68	0830	96
11/02/2011	9.08	1415	8.49	7.62	0845	96
11/03/2011	9.32	1015	8.73	8.03	0715	96
11/04/2011	9.99	1630	9.32	8.19	2200	96
11/05/2011	9.82	0730	9.00	8.19	2300	96
11/06/2011	9.64	0945	9.02	8.42	2145	96
11/07/2011	9.95	1015	8.99	8.09	1400	96
11/08/2011	9.45	1200	8.63	7.94	0045	96
11/09/2011	9.42	1330	8.84	7.89	0615	96
11/10/2011	9.81	1115	8.98	8.12	1300	96
11/11/2011	9.89	1130	9.21	8.42	0115	96
11/12/2011	9.78	1630	9.33	8.67	0015	96
11/13/2011	10.04	1500	9.58	9.22	2345	96
11/14/2011	9.65	2345	9.11	8.65	1545	96
11/15/2011	9.96	0600	9.59	9.25	2345	96
11/16/2011	10.05	1330	9.50	8.99	0645	96
11/17/2011	9.70	0245	9.35	8.94	2315	96
11/18/2011	9.88	1230	9.50	8.98	0030	96
11/19/2011	9.47	0215	9.15	8.82	2315	96
11/20/2011	9.26	0345	8.84	8.53	1915	96
11/21/2011	9.48	1545	9.04	8.47	0400	96
11/22/2011	10.32	2300	9.63	8.90	0730	96
11/23/2011	10.26	0300	10.05	9.70	1900	96
11/24/2011	10.53	1715	10.26	9.99	0315	96
11/25/2011	10.62	0930	10.45	10.32	1100	96
11/26/2011	10.62	0200	10.32	9.95	0445	96
11/27/2011	10.46	0300	10.25	10.06	2230	96
11/28/2011	11.27	1530	10.61	10.09	0100	96
11/29/2011	10.89	1145	10.79	10.29	2400	96
11/30/2011	10.60	0400	10.13	9.36	1815	96
AVERAGE	9.933		9.430	8.859		
STD DEV.:	0.560		0.663	0.810		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR November 2011

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM		DAILY AVERAGE	MINIMUM		#of INT.
	(PARAM)	TIME		(PARAM)	TIME	
11/01/2011	6.744	1300	6.733	6.727	0315	96
11/02/2011	6.744	1145	6.730	6.723	0700	96
11/03/2011	6.736	1115	6.728	6.721	0230	91
11/04/2011	6.838	1300	6.725	6.717	2400	96
11/05/2011	6.734	1130	6.725	6.718	0015	96
11/06/2011	6.731	1300	6.723	6.715	0515	96
11/07/2011	6.739	1515	6.727	6.716	0200	96
11/08/2011	6.737	1600	6.726	6.720	0530	96
11/09/2011	6.743	1445	6.728	6.719	0245	96
11/10/2011	6.732	1045	6.728	6.724	0600	96
11/11/2011	6.729	1445	6.722	6.717	2100	96
11/12/2011	6.730	1330	6.722	6.716	0030	96
11/13/2011	6.732	1115	6.725	6.716	0015	96
11/14/2011	6.740	1215	6.732	6.724	0700	96
11/15/2011	6.740	1300	6.735	6.730	2145	96
11/16/2011	6.738	1145	6.732	6.692	1015	96
11/17/2011	6.733	0245	6.730	6.728	1600	96
11/18/2011	6.737	1215	6.732	6.728	0015	96
11/19/2011	6.738	1400	6.732	6.728	0115	96
11/20/2011	6.738	1300	6.732	6.728	0345	96
11/21/2011	6.734	0100	6.731	6.727	1800	96
11/22/2011	6.737	1245	6.731	6.728	0100	96
11/23/2011	6.730	0045	6.728	6.727	0345	96
11/24/2011	6.731	1245	6.727	6.724	0745	96
11/25/2011	6.737	1315	6.728	6.723	0400	96
11/26/2011	6.730	1230	6.725	6.722	0630	96
11/27/2011	6.730	1245	6.725	6.721	0400	96
11/28/2011	6.731	1200	6.726	6.722	0730	96
11/29/2011	6.731	1515	6.727	6.723	0730	96
11/30/2011	6.730	0830	6.728	6.726	1615	96
AVERAGE	6.738		6.728	6.722		
STD DEV.:	0.019		0.003	0.007		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2011

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM		DAILY AVERAGE	MINIMUM		#of INT.
	(PARAM)	TIME		(PARAM)	TIME	
11/01/2011	11.270	1515	9.852	8.210	0945	96
11/02/2011	10.730	1415	9.219	7.930	0915	96
11/03/2011	10.240	1545	8.643	7.550	0815	96
11/04/2011	9.180	0015	7.887	6.703	1330	96
11/05/2011	8.690	2115	7.796	6.973	0730	96
11/06/2011	9.110	1345	7.889	7.030	0715	96
11/07/2011	9.590	2000	7.771	6.672	0730	96
11/08/2011	9.640	1600	8.301	7.540	0645	96
11/09/2011	10.430	1415	8.750	7.930	0100	96
11/10/2011	9.780	1300	9.040	8.400	0015	96
11/11/2011	9.710	1645	9.215	8.960	0845	96
11/12/2011	9.040	0015	8.666	8.290	2400	96
11/13/2011	10.540	2400	8.334	7.940	0800	96
11/14/2011	19.120	2015	15.239	10.860	0015	96
11/15/2011	21.380	1215	19.926	18.700	0145	96
11/16/2011	21.110	2345	20.714	19.180	1315	96
11/17/2011	21.110	0130	20.632	19.710	1345	96
11/18/2011	20.500	0015	19.684	17.580	1330	96
11/19/2011	19.790	1445	19.609	19.090	0745	96
11/20/2011	20.100	2000	19.786	19.500	0345	96
11/21/2011	19.960	0015	19.084	16.180	1715	96
11/22/2011	18.870	0015	18.512	18.170	2400	96
11/23/2011	18.150	0015	17.623	17.300	1800	96
11/24/2011	17.420	0015	16.745	16.330	2400	96
11/25/2011	16.340	0045	15.736	15.420	0915	96
11/26/2011	16.090	1445	15.807	15.540	0330	96
11/27/2011	16.560	1430	16.055	15.810	0430	96
11/28/2011	16.690	1930	16.140	15.240	1600	96
11/29/2011	17.360	1700	16.877	16.440	0030	96
11/30/2011	18.150	2245	17.402	16.270	1700	96
AVERAGE	14.888		13.898	12.915		
STD DEV.:	4.709		4.960	4.932		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2011

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2011	9.82	1030	9.21	8.39	0100	96
11/02/2011	10.19	1515	9.28	8.48	0645	96
11/03/2011	10.22	0900	9.13	8.43	2345	96
11/04/2011	9.39	1415	8.72	8.16	2345	96
11/05/2011	10.00	2200	8.92	7.81	0200	96
11/06/2011	10.73	1045	9.79	9.02	0030	96
11/07/2011	10.64	1415	9.86	9.13	1845	96
11/08/2011	9.94	0245	9.48	8.79	0415	96
11/09/2011	12.04	1430	9.65	8.45	1100	96
11/10/2011	10.60	0015	9.96	9.24	2200	96
11/11/2011	12.47	1630	10.51	9.05	1600	96
11/12/2011	12.45	1330	12.25	12.01	0200	96
11/13/2011	12.98	1615	12.67	12.35	0015	96
11/14/2011	13.04	1315	12.89	12.78	0300	96
11/15/2011	12.79	0015	12.65	12.44	2300	96
11/16/2011	12.67	1045	12.42	12.31	1815	96
11/17/2011	13.56	1515	12.29	11.99	2230	96
11/18/2011	12.34	2015	12.16	11.99	0030	96
11/19/2011	12.63	1730	12.47	12.29	0045	96
11/20/2011	12.66	0345	12.56	12.43	2215	96
11/21/2011	12.72	1645	12.59	12.49	0900	96
11/22/2011	12.84	2130	12.69	12.54	0015	96
11/23/2011	12.92	1700	12.77	12.61	2000	96
11/24/2011	13.06	2315	12.86	12.59	0115	96
11/25/2011	13.39	0015	13.21	12.52	0030	96
11/26/2011	13.31	0500	13.25	13.12	2315	96
11/27/2011	13.35	1645	13.22	13.11	0830	96
11/28/2011	13.43	1515	13.20	12.86	1900	96
11/29/2011	13.53	0215	12.92	12.59	0045	96
11/30/2011	12.70	0030	12.23	11.63	1445	96
AVERAGE	12.080		11.526	11.053		
STD DEV.:	1.338		1.621	1.916		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2011

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2011	7.300	0100	7.272	7.240	2115	96
11/02/2011	7.280	1845	7.254	7.210	1000	96
11/03/2011	7.300	1530	7.269	7.230	0900	96
11/04/2011	7.310	2245	7.276	7.240	1230	96
11/05/2011	7.310	0015	7.274	7.210	1200	96
11/06/2011	7.290	0245	7.260	7.200	1515	96
11/07/2011	7.270	0030	7.248	7.210	1515	96
11/08/2011	7.270	0315	7.229	7.190	1615	96
11/09/2011	7.250	1445	7.203	7.130	1400	96
11/10/2011	7.230	0115	7.197	7.150	1145	96
11/11/2011	7.210	0230	7.147	6.963	1630	96
11/12/2011	7.140	2030	7.113	7.090	0300	96
11/13/2011	7.120	0015	7.088	7.040	1530	96
11/14/2011	7.100	0300	7.055	7.030	1315	96
11/15/2011	7.050	0030	7.021	7.000	2300	96
11/16/2011	7.540	2200	7.092	6.989	1030	96
11/17/2011	7.370	0015	7.038	6.636	2130	96
11/18/2011	6.654	1800	6.635	6.610	1030	96
11/19/2011	6.665	0300	6.636	6.608	1030	96
11/20/2011	6.642	0100	6.620	6.594	2345	96
11/21/2011	6.608	0400	6.587	6.568	2330	96
11/22/2011	6.584	0500	6.570	6.552	1145	96
11/23/2011	6.586	0545	6.572	6.555	1445	96
11/24/2011	6.610	1930	6.590	6.570	0915	96
11/25/2011	6.615	0045	6.583	6.548	0015	96
11/26/2011	6.585	0445	6.571	6.560	1315	96
11/27/2011	6.585	1830	6.573	6.562	2315	96
11/28/2011	6.600	1430	6.567	6.547	2330	96
11/29/2011	6.571	0615	6.546	6.526	0530	96
11/30/2011	6.930	2400	6.670	6.510	1145	96
AVERAGE	6.986		6.925	6.869		
STD DEV.:	0.330		0.303	0.296		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2011

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2011	6.520	0030	6.309	6.087	1100	96
11/02/2011	7.360	1400	6.846	6.295	0800	81
11/03/2011	7.570	2345	7.281	7.020	0945	96
11/04/2011	7.620	0645	7.423	7.130	1115	86
11/05/2011	7.610	0045	7.371	7.150	1100	96
11/06/2011	7.580	0030	7.182	7.000	1115	96
11/07/2011	7.240	2400	6.999	6.764	1115	96
11/08/2011	7.770	2400	7.407	7.160	0800	96
11/09/2011	8.470	2400	8.156	7.780	0015	96
11/10/2011	9.330	2345	8.871	8.490	0015	96
11/11/2011	9.350	0030	9.096	8.930	2400	96
11/12/2011	8.910	0015	8.568	8.360	2400	96
11/13/2011	8.350	0015	8.049	7.920	0930	96
11/14/2011	8.600	2400	8.191	7.910	0800	96
11/15/2011	9.230	1600	8.962	8.620	0015	96
11/16/2011	9.230	1530	9.127	9.010	0800	96
11/17/2011	9.110	0030	8.914	8.620	2400	96
11/18/2011	8.600	0015	8.085	7.700	2230	96
11/19/2011	7.730	0045	7.443	7.290	2100	96
11/20/2011	7.510	1545	7.326	7.100	0815	96
11/21/2011	7.540	1330	7.434	7.210	2330	96
11/22/2011	7.270	0130	7.048	6.860	2330	96
11/23/2011	6.867	0015	6.351	5.783	2400	96
11/24/2011	5.813	0230	5.502	4.999	2400	93
11/25/2011	4.789	0100	3.468	3.155	0800	24
11/26/2011	3.877	2400	3.569	3.444	0100	24
11/27/2011	4.150	2300	3.850	3.766	0100	24
11/28/2011	3.877	0100	3.821	3.766	0200	12
AVERAGE	7.424		7.095	6.833		
STD DEV.:	1.617		1.674	1.661		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2011

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/2011	8.950	0015	8.741	8.570	2345	96
11/02/2011	8.560	0015	8.461	8.360	2345	96
11/03/2011	8.360	0015	8.291	8.250	1500	96
11/04/2011	9.790	1400	8.257	8.040	1430	96
11/05/2011	8.180	1145	8.126	8.060	2345	96
11/06/2011	8.060	0015	7.953	7.860	2400	96
11/07/2011	7.850	0015	7.741	7.680	1700	96
11/08/2011	7.940	2400	7.809	7.750	0015	96
11/09/2011	8.360	2330	8.124	7.940	0015	96
11/10/2011	8.770	2345	8.548	8.370	0015	96
11/11/2011	9.030	1845	8.950	8.780	0015	96
11/12/2011	9.010	0015	8.829	8.520	2215	96
11/13/2011	8.570	0015	8.406	8.310	2330	96
11/14/2011	8.880	2400	8.506	8.300	0045	96
11/15/2011	9.580	2100	9.301	8.890	0015	96
11/16/2011	9.900	2400	9.749	9.580	0015	96
11/17/2011	9.920	0200	9.852	9.770	1600	96
11/18/2011	9.800	0015	9.570	9.310	2345	96
11/19/2011	9.300	0015	9.179	9.040	2400	96
11/20/2011	9.050	1600	8.976	8.860	0830	96
11/21/2011	9.060	1615	8.971	8.860	2400	96
11/22/2011	8.940	1315	8.783	8.570	0815	96
11/23/2011	8.720	0015	8.467	8.220	2400	96
11/24/2011	8.220	0015	7.978	7.760	2345	96
11/25/2011	7.760	0015	7.634	7.560	2245	96
11/26/2011	7.560	0015	7.519	7.490	1100	96
11/27/2011	7.530	1615	7.508	7.480	1230	96
11/28/2011	7.500	0015	7.468	7.440	0945	59
AVERAGE	8.684		8.489	8.344		
STD DEV.:	0.734		0.675	0.632		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2011

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
12/01/2011	10.07	0415	9.57	9.11	2000	96
12/02/2011	10.69	1245	10.01	9.47	1515	96
12/03/2011	10.53	1345	10.16	9.69	0915	96
12/04/2011	10.57	1415	10.20	9.79	0730	96
12/05/2011	10.46	0245	10.14	9.62	2245	96
12/06/2011	10.26	1115	9.74	9.14	1915	96
12/07/2011	9.80	0315	9.36	9.00	2345	96
12/08/2011	10.12	0500	9.32	8.91	1745	92
12/09/2011	10.58	1230	9.78	9.22	0115	96
12/10/2011	10.14	1145	9.72	9.49	2100	96
12/11/2011	10.51	1530	9.99	9.57	0045	96
12/12/2011	10.82	0845	10.05	9.14	2400	96
12/13/2011	9.46	1400	8.83	8.52	2030	96
12/14/2011	9.27	1415	8.65	8.42	0730	96
12/15/2011	9.08	1130	8.73	8.41	1930	96
12/16/2011	9.23	1215	8.41	7.83	2000	96
12/17/2011	8.98	1430	8.32	7.82	0430	96
12/18/2011	8.53	1500	8.11	7.74	2345	96
12/19/2011	8.88	1415	8.11	7.50	0615	96
12/20/2011	9.43	0745	8.48	7.74	1915	96
12/21/2011	9.25	1145	7.85	7.09	0745	96
12/22/2011	9.99	1130	8.83	7.73	0800	96
12/23/2011	9.80	1900	9.29	9.08	2200	96
12/24/2011	9.49	0015	9.12	8.93	0345	96
12/25/2011	9.68	1315	9.16	8.91	0630	96
12/26/2011	10.69	2345	9.70	9.07	0330	96
12/27/2011	11.36	2400	10.95	10.69	0015	96
12/28/2011	11.51	0130	11.23	11.04	0700	34
AVERAGE	9.971		9.351	8.881		
STD DEV.:	0.753		0.852	0.931		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR December 2011

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
12/01/2011	6.732	0930	6.729	6.725	0030	96
12/02/2011	6.735	1045	6.730	6.724	2330	96
12/03/2011	6.735	1215	6.728	6.721	0600	96
12/04/2011	6.737	1145	6.730	6.724	0300	96
12/05/2011	6.737	1245	6.732	6.728	0045	96
12/06/2011	6.739	1330	6.734	6.730	0015	96
12/07/2011	6.734	0045	6.728	6.723	1915	96
12/08/2011	6.836	1300	6.733	6.710	1045	45
12/09/2011	6.800	1030	6.774	6.730	1115	7
12/12/2011	6.676	1415	6.624	6.600	1030	4
12/13/2011	6.600	1400	6.600	6.600	1400	1
12/14/2011	6.732	2015	6.672	6.560	1415	57
12/15/2011	6.783	1945	6.731	6.701	1200	96
12/16/2011	6.787	1330	6.753	6.719	0200	96
12/17/2011	6.824	2400	6.772	6.728	0430	96
12/18/2011	6.846	1615	6.830	6.809	2330	96
12/19/2011	6.817	0315	6.794	6.725	2215	96
12/20/2011	6.827	1630	6.801	6.744	0330	96
12/21/2011	6.803	1245	6.780	6.747	2300	96
12/22/2011	6.841	1015	6.765	6.741	2345	96
12/23/2011	6.810	2045	6.774	6.734	0030	96
12/24/2011	6.864	1900	6.838	6.803	0015	96
12/25/2011	6.846	0730	6.832	6.816	2345	96
12/26/2011	6.919	2400	6.819	6.782	2030	96
12/27/2011	6.985	0815	6.929	6.825	2145	96
12/28/2011	6.867	2400	6.819	6.791	1100	96
12/29/2011	6.934	0945	6.908	6.870	0015	96
12/30/2011	6.880	0215	6.850	6.811	2245	96
12/31/2011	6.814	0045	6.773	6.742	1745	96
AVERAGE	6.801		6.768	6.737		
STD DEV.:	0.080		0.072	0.067		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2011

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
12/01/2011	19.230	1400	18.134	16.740	2200	96
12/02/2011	17.000	1400	16.618	14.570	2400	96
12/03/2011	16.510	1345	15.601	14.010	0515	96
12/04/2011	15.980	0030	15.752	15.590	0845	96
12/05/2011	17.310	2330	15.951	15.440	0800	96
12/06/2011	18.150	2100	17.744	17.320	0015	96
12/07/2011	18.250	0445	14.237	11.600	2400	96
12/08/2011	12.120	1300	10.491	9.200	0615	94
12/09/2011	10.110	1130	9.819	9.110	1515	96
12/10/2011	9.450	0015	9.208	9.020	2330	96
12/11/2011	9.050	0045	8.665	8.270	2230	96
12/12/2011	11.050	2400	8.663	8.060	0830	96
12/13/2011	11.970	1715	11.497	10.980	0930	96
12/14/2011	13.040	0415	12.531	11.700	0015	96
12/15/2011	14.830	2400	12.948	12.230	0030	96
12/16/2011	15.650	1300	15.338	14.840	0015	96
12/17/2011	15.900	0600	15.517	14.640	2400	96
12/18/2011	14.780	1545	14.467	14.090	0915	96
12/19/2011	14.600	1930	14.308	14.000	0615	96
12/20/2011	13.970	0100	13.223	12.920	1515	96
12/21/2011	13.560	1500	13.281	12.970	0100	96
12/22/2011	14.070	1915	13.711	13.310	0845	96
12/23/2011	14.250	1530	14.027	13.550	2400	96
12/24/2011	13.510	0015	12.935	12.670	2345	96
12/25/2011	12.670	0015	12.440	12.330	0900	96
12/26/2011	12.460	1945	11.921	8.230	2400	96
12/27/2011	12.690	2400	7.755	6.217	0800	96
12/28/2011	14.460	1215	14.131	12.850	0015	96
12/29/2011	14.060	0015	13.529	13.200	2345	96
12/30/2011	13.230	1815	13.120	12.980	1030	96
12/31/2011	13.790	2400	13.517	13.180	0015	96
AVERAGE	14.119		13.261	12.446		
STD DEV.:	2.485		2.604	2.695		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2011

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
12/01/11	12.88	2100	12.75	12.54	1615	96
12/02/11	12.88	0015	12.80	12.70	1830	96
12/03/11	12.98	1900	12.86	12.75	0630	96
12/04/11	13.02	1315	12.96	12.89	0115	96
12/05/11	13.01	0400	12.90	12.75	1830	96
12/06/11	13.33	1400	12.59	12.35	2400	96
12/07/11	12.36	0015	10.60	9.11	1300	96
12/08/11	12.49	1930	11.22	9.52	0200	96
12/09/11	13.18	2400	12.88	12.40	0045	96
12/10/11	13.30	0200	11.91	10.72	0945	96
12/11/11	11.68	1215	11.27	10.56	0345	96
12/12/11	12.08	1200	11.11	10.57	1730	96
12/13/11	15.51	1215	11.47	2.80	1300	96
12/14/11	12.17	0145	11.06	6.00	0115	96
12/15/11	11.30	1130	10.72	10.22	2200	96
12/16/11	11.24	1315	10.55	10.00	1945	96
12/17/11	11.01	1530	10.42	9.83	0200	96
12/18/11	10.89	2200	10.51	10.21	0215	96
12/19/11	11.40	0515	10.53	9.82	2145	96
12/20/11	11.34	0845	10.26	9.60	1730	96
12/21/11	11.11	1630	10.04	9.54	1315	96
12/22/11	12.90	1215	9.80	9.15	1800	96
12/23/11	10.77	2000	9.72	8.94	0115	96
12/24/11	11.03	2115	10.39	9.90	0300	96
12/25/11	11.55	1930	10.62	9.67	1230	96
12/26/11	13.09	1745	11.53	10.02	0345	96
12/27/11	12.77	0030	12.39	12.07	2130	96
12/28/11	12.10	0015	11.71	11.40	1215	49
AVERAGE	12.263		11.342	10.287		
STD DEV.:	1.062		1.058	2.151		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2011

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
12/01/2011	6.970	0730	6.932	6.886	2345	96
12/02/2011	6.903	0015	6.803	6.748	2045	96
12/03/2011	6.786	2300	6.760	6.735	0415	96
12/04/2011	6.836	2130	6.809	6.768	0145	96
12/05/2011	6.861	1630	6.840	6.818	0845	96
12/06/2011	6.895	1615	6.862	6.825	1400	96
12/07/2011	7.060	0630	6.983	6.866	0015	96
12/08/2011	7.040	0130	6.932	6.782	1445	96
12/09/2011	6.890	0345	6.827	6.781	1430	96
12/10/2011	7.040	0900	6.914	6.781	0830	96
12/11/2011	7.020	2345	6.986	6.948	0515	96
12/12/2011	7.050	1345	7.021	6.970	1200	96
12/13/2011	7.220	1215	6.838	6.548	2000	96
12/14/2011	6.639	0930	6.617	6.572	0045	96
12/15/2011	6.645	1315	6.620	6.543	0945	96
12/16/2011	6.682	1745	6.633	6.553	1330	96
12/17/2011	6.710	2400	6.670	6.625	1115	96
12/18/2011	6.728	1315	6.710	6.669	0445	96
12/19/2011	6.737	0400	6.701	6.586	1545	96
12/20/2011	6.675	0015	6.633	6.544	0845	96
12/21/2011	6.686	1915	6.659	6.606	1600	96
12/22/2011	6.712	1245	6.636	6.558	1145	96
12/23/2011	6.729	2100	6.687	6.635	1915	96
12/24/2011	6.825	2300	6.774	6.682	0115	96
12/25/2011	6.849	0915	6.817	6.779	1845	96
12/26/2011	6.922	0345	6.795	6.649	1730	96
12/27/2011	6.733	1715	6.716	6.687	0015	96
12/28/2011	6.831	2400	6.743	6.696	1000	96
12/29/2011	6.912	0915	6.880	6.834	0115	96
12/30/2011	6.913	0700	6.875	6.828	2245	96
12/31/2011	6.836	0200	6.788	6.762	2000	96
AVERAGE	6.850		6.789	6.718		
STD DEV.:	0.145		0.117	0.123		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR January 2012

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
01/01/2012	6.762	0130	6.733	6.711	2045	96
01/02/2012	6.759	2145	6.733	6.708	0230	96
01/03/2012	6.861	2400	6.805	6.756	0145	96
01/04/2012	6.910	0715	6.769	6.617	2315	96
01/05/2012	6.690	1630	6.647	6.601	0430	96
01/06/2012	6.655	0015	6.639	6.622	2115	96
01/07/2012	6.638	0215	6.600	6.571	2000	96
01/08/2012	6.619	1445	6.598	6.572	0015	96
01/09/2012	6.674	1645	6.625	6.597	1330	96
01/10/2012	6.665	1515	6.632	6.611	2345	96
01/11/2012	6.651	1345	6.633	6.611	0045	96
01/12/2012	6.660	1430	6.639	6.616	0815	96
01/13/2012	6.668	1845	6.640	6.625	0730	96
01/14/2012	6.739	2315	6.711	6.671	0015	96
01/15/2012	6.787	1830	6.753	6.723	1245	96
01/16/2012	6.726	0015	6.667	6.641	1600	96
01/17/2012	6.698	1045	6.647	6.630	0845	96
01/18/2012	6.760	1915	6.709	6.647	0015	96
01/19/2012	6.733	0015	6.694	6.634	1245	93
01/20/2012	6.738	1600	6.699	6.668	0800	96
01/21/2012	6.736	1415	6.697	6.638	0545	96
01/22/2012	6.708	1430	6.682	6.655	0100	72
01/23/2012	6.700	1030	6.700	6.700	1030	1
01/24/2012	6.900	1400	6.850	6.800	1015	2
01/25/2012	6.800	0800	6.800	6.800	0800	2
01/26/2012	6.800	0800	6.800	6.800	0800	2
01/27/2012	6.783	1115	6.738	6.700	1045	54
01/28/2012	6.737	0745	6.716	6.690	2015	96
01/29/2012	6.736	1330	6.711	6.673	2345	96
01/30/2012	6.677	1715	6.655	6.634	2400	96
01/31/2012	6.636	0230	6.617	6.596	2345	96
AVERAGE	6.729		6.695	6.662		
STD DEV.:	0.073		0.065	0.064		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR January 2012

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
01/01/2012	14.450	2345	14.102	13.700	0230	96
01/02/2012	14.920	1315	14.744	14.450	0015	96
01/03/2012	14.700	0045	14.027	13.030	2400	96
01/04/2012	20.540	2315	17.031	12.540	0715	96
01/05/2012	21.290	1430	20.985	20.570	0015	96
01/06/2012	21.870	2400	21.446	20.820	0130	96
01/07/2012	22.460	1430	22.102	21.780	0845	96
01/08/2012	22.150	0015	21.997	21.720	2400	96
01/09/2012	22.110	1415	21.821	21.540	0330	96
01/10/2012	22.870	2400	22.352	21.970	0630	96
01/11/2012	23.200	1345	22.868	22.610	0730	96
01/12/2012	23.010	0045	22.655	22.360	2215	96
01/13/2012	22.900	1415	22.383	21.410	2400	96
01/14/2012	21.370	0015	21.020	20.290	2400	96
01/15/2012	20.810	1430	20.376	19.760	0345	96
01/16/2012	22.520	1415	21.644	20.510	0015	96
01/17/2012	23.360	1245	22.584	22.260	0015	96
01/18/2012	22.470	0200	21.709	20.990	2130	96
01/19/2012	22.550	1445	21.882	21.140	0015	93
01/20/2012	22.210	0400	21.991	21.750	1700	96
01/21/2012	21.820	0115	20.077	18.800	1800	96
01/22/2012	19.740	0015	19.126	18.490	0930	96
01/23/2012	20.260	1315	19.140	16.420	2400	96
01/24/2012	18.460	1415	17.296	16.300	0700	96
01/25/2012	19.380	2245	18.069	15.770	0230	96
01/26/2012	20.150	1430	19.452	18.730	2345	96
01/27/2012	18.740	2030	18.585	18.390	1300	96
01/28/2012	19.630	1500	18.705	17.750	0745	96
01/29/2012	19.250	0030	18.898	18.430	0915	96
01/30/2012	19.300	2400	18.911	18.400	2045	96
01/31/2012	19.780	1445	19.463	19.270	0330	96
AVERAGE	20.589		19.917	19.095		
STD DEV.:	2.430		2.504	2.892		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR January 2012

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
01/01/2012	6.773	0100	6.738	6.707	2245	96
01/02/2012	6.729	2400	6.703	6.685	0730	96
01/03/2012	6.876	2400	6.792	6.720	0030	96
01/04/2012	7.040	0530	6.796	6.714	2315	96
01/05/2012	6.788	0830	6.751	6.709	1330	96
01/06/2012	6.759	0430	6.736	6.707	1515	96
01/07/2012	6.735	0045	6.711	6.693	1300	96
01/08/2012	6.731	2145	6.711	6.684	1215	96
01/09/2012	6.811	1045	6.749	6.714	0730	96
01/10/2012	6.759	0145	6.742	6.720	1500	96
01/11/2012	6.753	0730	6.721	6.690	1800	96
01/12/2012	6.718	2400	6.700	6.686	0315	96
01/13/2012	6.738	2330	6.712	6.687	1615	96
01/14/2012	6.798	2230	6.748	6.725	0215	96
01/15/2012	6.907	0415	6.829	6.737	0545	96
01/16/2012	6.827	0100	6.734	6.676	2300	96
01/17/2012	6.740	1530	6.712	6.676	0315	96
01/18/2012	6.739	2015	6.719	6.705	1200	96
01/19/2012	6.739	0545	6.717	6.693	1530	96
01/20/2012	6.753	0800	6.723	6.692	2400	96
01/21/2012	6.771	0215	6.741	6.691	0015	96
01/22/2012	6.814	1030	6.775	6.754	0445	96
01/23/2012	6.781	1200	6.758	6.710	2330	96
01/24/2012	6.764	1645	6.709	6.689	0730	96
01/25/2012	6.755	2315	6.726	6.710	1500	96
01/26/2012	6.770	0730	6.756	6.736	1215	96
01/27/2012	6.779	0645	6.749	6.708	2145	96
01/28/2012	6.795	0145	6.762	6.698	0315	96
01/29/2012	6.812	0145	6.760	6.679	2400	96
01/30/2012	6.727	1730	6.676	6.597	1500	96
01/31/2012	6.666	0345	6.597	6.522	1230	96
AVERAGE	6.779		6.734	6.694		
STD DEV.:	0.067		0.041	0.042		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR February 2012

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
02/01/2012	6.599	0030	6.589	6.577	1945	96
02/02/2012	6.641	1115	6.600	6.576	0830	96
02/03/2012	6.697	1545	6.664	6.624	2400	96
02/04/2012	6.716	1245	6.673	6.578	0400	96
02/05/2012	6.714	1615	6.683	6.659	0500	96
02/06/2012	6.712	1545	6.681	6.655	1015	96
02/07/2012	6.736	2400	6.683	6.641	1015	96
02/08/2012	6.736	0015	6.708	6.674	1415	96
02/09/2012	6.739	1630	6.695	6.654	0915	96
02/10/2012	6.728	1830	6.696	6.671	0430	96
02/11/2012	6.732	1830	6.703	6.671	0200	96
02/12/2012	6.841	1745	6.800	6.730	0015	96
02/13/2012	7.100	2030	6.741	6.681	2015	82
02/14/2012	7.070	1045	6.752	6.641	1100	54
02/15/2012	6.873	1415	6.716	6.701	1015	96
02/16/2012	6.826	2400	6.727	6.690	0700	96
02/17/2012	7.070	2245	7.014	6.847	0015	96
02/18/2012	7.100	0215	7.046	6.979	1400	96
02/19/2012	7.130	1930	7.058	6.973	1400	96
02/20/2012	7.180	1815	7.135	7.100	0015	96
02/21/2012	7.210	0300	7.146	7.010	1230	96
02/22/2012	7.150	0015	7.017	6.888	2245	96
02/23/2012	6.896	0015	6.839	6.808	0900	96
02/24/2012	6.851	2215	6.830	6.814	0645	96
02/25/2012	6.866	2345	6.841	6.808	0830	96
02/26/2012	6.915	1300	6.879	6.840	2230	96
02/27/2012	6.862	1315	6.833	6.812	2200	96
02/28/2012	6.878	1515	6.840	6.804	0145	96
02/29/2012	6.853	1600	6.831	6.814	2300	96
AVERAGE	6.877		6.808	6.756		
STD DEV.:	0.176		0.156	0.138		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR February 2012

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM		DAILY AVERAGE	MINIMUM		#of INT.
	(PARAM)	TIME		(PARAM)	TIME	
02/01/2012	20.470	1630	19.959	19.440	0015	96
02/02/2012	20.290	1045	20.142	19.870	2315	96
02/03/2012	20.350	2400	19.770	19.190	0830	96
02/04/2012	20.560	0100	17.709	14.640	0815	96
02/05/2012	19.260	1515	18.578	18.090	0530	96
02/06/2012	19.390	1530	18.785	18.260	0830	96
02/07/2012	19.150	1545	18.863	16.980	1115	96
02/08/2012	21.060	1415	20.172	18.850	0015	96
02/09/2012	21.200	1515	20.851	20.430	1015	96
02/10/2012	21.760	2400	21.255	20.660	0800	96
02/11/2012	21.860	1645	21.653	20.740	2400	96
02/12/2012	21.770	2400	19.801	19.320	2100	96
02/13/2012	21.800	0015	20.213	16.540	2400	96
02/14/2012	16.360	0015	14.556	13.840	0700	96
02/15/2012	17.430	1815	16.929	15.910	0015	96
02/16/2012	17.820	1900	16.384	8.320	2400	96
02/17/2012	7.710	0015	3.698	2.611	0745	96
02/18/2012	3.948	1400	3.395	2.756	0500	96
02/19/2012	3.740	1445	3.263	2.820	0630	96
02/20/2012	3.255	1515	2.698	2.251	0900	96
02/21/2012	2.848	2345	2.614	2.224	0700	96
02/22/2012	12.440	2400	6.854	2.836	0030	96
02/23/2012	15.800	1900	15.157	12.740	0015	96
02/24/2012	15.420	0015	15.220	14.890	2315	96
02/25/2012	14.930	0015	14.681	14.190	2400	96
02/26/2012	14.600	1530	14.098	13.520	0800	96
02/27/2012	14.610	1645	14.226	13.830	0745	96
02/28/2012	14.630	1615	14.201	13.820	0900	96
02/29/2012	14.650	1545	14.377	14.170	0530	96
AVERAGE	15.831		14.831	13.577		
STD DEV.:	6.046		6.258	6.382		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR February 2012

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
02/01/2012	6.595	0715	6.529	6.494	2400	96
02/02/2012	6.543	1430	6.510	6.483	0045	96
02/03/2012	6.575	1115	6.521	6.498	0815	96
02/04/2012	6.552	0700	6.527	6.505	1245	96
02/05/2012	6.586	0945	6.537	6.511	1500	96
02/06/2012	6.574	1000	6.508	6.465	1930	96
02/07/2012	6.530	2400	6.486	6.447	1245	96
02/08/2012	6.577	0900	6.531	6.504	1545	96
02/09/2012	6.592	1045	6.516	6.474	1715	81
02/10/2012	6.534	1345	6.510	6.486	1830	50
02/11/2012	6.559	2400	6.505	6.482	1400	96
02/12/2012	6.694	2400	6.631	6.553	0015	96
02/13/2012	6.684	0045	6.608	6.552	1615	96
02/14/2012	6.620	2145	6.587	6.563	2215	96
02/15/2012	7.200	2315	6.859	6.570	0300	96
02/16/2012	7.250	1130	6.953	6.651	1045	96
02/17/2012	7.200	2015	6.960	6.712	0845	96
02/18/2012	7.140	0015	7.042	6.897	1515	93
02/19/2012	6.984	0130	6.947	6.667	1100	96
02/20/2012	6.962	0945	6.919	6.820	1545	96
02/21/2012	6.936	1700	6.818	6.639	1230	96
02/22/2012	6.694	2215	6.680	6.652	0200	96
02/23/2012	6.688	0015	6.656	6.628	1015	96
02/24/2012	6.644	0115	6.620	6.581	1015	96
02/25/2012	6.670	1445	6.622	6.549	2200	96
02/26/2012	6.636	0915	6.595	6.549	0100	48
02/27/2012	7.020	1530	6.966	6.940	2345	35
02/28/2012	6.977	1515	6.954	6.926	0615	96
02/29/2012	6.993	1345	6.866	6.713	2130	96
AVERAGE	6.766		6.688	6.604		
STD DEV.:	0.236		0.187	0.141		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR March 2012

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
03/01/12	11.80	1145	11.39	11.10	0615	96
03/02/12	11.80	1330	11.62	11.50	0015	96
03/03/12	11.70	1530	11.54	11.40	0145	96
03/04/12	11.80	1445	11.58	11.30	2145	96
03/05/12	11.80	1330	11.50	11.20	0015	96
03/06/12	11.90	1145	11.70	11.50	0100	96
03/07/12	11.80	0130	11.34	11.10	0800	96
03/08/12	11.20	0045	11.00	10.70	2115	96
03/09/12	10.70	0015	9.91	8.80	2230	96
03/10/12	9.20	0015	8.82	8.60	0700	96
03/11/12	9.60	1245	9.06	8.60	1800	96
03/12/12	8.90	0930	8.69	8.50	0030	96
03/13/12	9.50	1045	8.71	8.10	2315	96
03/14/12	9.00	1200	8.11	7.70	0645	96
03/15/12	10.10	1845	8.88	7.50	0400	96
03/16/12	9.90	1000	9.70	9.30	2130	96
03/17/12	9.80	1400	9.44	9.00	1115	96
03/18/12	9.90	1745	9.19	8.80	0545	96
03/19/12	9.70	1315	8.97	7.70	0900	96
03/20/12	9.60	1445	8.99	8.50	0800	96
03/21/12	9.70	1615	9.30	8.80	0545	96
03/22/12	9.30	0015	8.91	8.60	1245	96
03/23/12	9.50	1430	8.84	8.30	0330	96
03/24/12	9.30	1230	8.60	7.50	0000	96
03/25/12	8.00	1415	7.29	6.50	2330	96
03/26/12	10.20	1545	8.91	6.20	0400	96
03/27/12	10.30	1400	9.71	8.60	2345	96
03/28/12	9.80	1200	8.99	8.30	0700	96
03/29/12	10.10	1745	9.25	8.20	2300	96
03/30/12	10.60	0930	9.64	8.70	0645	96
03/31/12	9.70	1330	9.10	8.40	0715	96
AVERAGE	10.200		9.634	9.000		
STD DEV.:	1.048		1.197	1.487		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR March 2012

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
03/01/12	6.700	1445	6.646	6.600	2145	96
03/02/12	6.700	1145	6.639	6.600	0015	96
03/03/12	6.700	0145	6.643	6.600	0015	96
03/04/12	6.700	0015	6.690	6.600	2145	96
03/05/12	6.800	1500	6.658	6.600	0015	96
03/06/12	6.800	1300	6.598	6.500	2315	96
03/07/12	6.800	1100	6.645	6.600	0015	96
03/08/12	6.800	1100	6.640	6.600	0100	96
03/09/12	6.700	0030	6.633	6.600	0015	96
03/10/12	6.600	0015	6.568	6.500	0915	96
03/11/12	6.600	1200	6.501	6.500	0015	96
03/12/12	6.700	1030	6.502	6.500	0015	84
03/13/12	6.700	1045	6.503	6.500	0015	68
03/14/12	6.600	1100	6.501	6.500	0015	96
03/15/12	6.700	1030	6.505	6.500	0015	79
03/16/12	6.500	1030	6.500	6.500	1030	34
03/19/12	6.600	1015	6.600	6.600	1015	1
03/21/12	6.900	1100	6.761	6.700	1245	46
03/22/12	6.800	0015	6.778	6.700	0730	96
03/23/12	6.800	1230	6.744	6.600	0245	96
03/24/12	6.900	1345	6.835	6.700	0615	96
03/25/12	6.900	0015	6.894	6.800	0445	96
03/26/12	7.000	1415	6.939	6.600	1130	96
03/27/12	7.000	0015	6.748	6.500	0730	96
03/28/12	6.700	0015	6.599	6.500	1700	96
03/29/12	6.700	1030	6.578	6.500	0015	96
03/30/12	6.700	1215	6.647	6.600	0015	96
03/31/12	6.700	0030	6.548	6.500	0730	96
AVERAGE	6.743		6.644	6.575		
STD DEV.:	0.120		0.120	0.080		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR March 2012

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
03/01/12	15.000	0015	14.560	14.200	0000	96
03/02/12	14.800	1515	14.390	14.000	0600	96
03/03/12	15.000	1730	14.554	13.100	0000	96
03/04/12	14.400	2300	12.489	11.300	1800	96
03/05/12	14.300	0015	12.315	11.400	1245	96
03/06/12	13.400	1400	12.409	11.500	0730	96
03/07/12	12.300	0015	7.663	5.600	0615	96
03/08/12	9.800	2300	8.533	7.400	0615	96
03/09/12	12.900	2315	10.220	9.300	0630	96
03/10/12	15.000	1645	14.119	13.000	0015	96
03/11/12	14.900	1615	13.935	13.100	0700	96
03/12/12	16.000	1445	14.402	13.300	0530	96
03/13/12	16.600	1600	15.583	14.600	0015	96
03/14/12	17.400	1300	16.417	16.000	0245	96
03/15/12	16.400	0015	16.013	15.500	0000	96
03/16/12	15.500	0015	15.214	15.100	0515	96
03/17/12	15.600	1430	15.231	14.900	0615	96
03/18/12	17.900	1545	15.856	14.700	0615	96
03/19/12	18.900	1445	16.889	15.700	0545	96
03/20/12	19.100	1330	17.752	16.700	0645	96
03/21/12	20.000	1445	18.602	17.500	0615	96
03/22/12	21.600	1400	19.468	18.100	0645	96
03/23/12	18.600	0015	16.575	13.900	0000	96
03/24/12	13.900	0015	12.394	11.000	2330	96
03/25/12	11.300	1400	11.004	10.800	0315	96
03/26/12	11.200	1500	10.581	9.600	2345	96
03/27/12	9.700	0015	9.015	8.300	0730	96
03/28/12	9.700	1545	9.096	8.600	0500	96
03/29/12	9.100	0015	8.764	8.400	0745	96
03/30/12	9.500	1545	8.671	7.700	0900	96
03/31/12	11.300	1715	9.610	8.900	0645	96
AVERAGE	14.552		13.301	12.361		
STD DEV.:	3.337		3.286	3.277		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR March 2012

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
03/01/12	13.00	1115	12.05	11.10	0030	96
03/02/12	12.80	1145	12.67	12.50	0830	96
03/03/12	12.90	0345	12.58	12.30	2400	96
03/04/12	12.30	0015	12.22	12.00	2045	96
03/05/12	12.10	0800	11.98	11.80	2130	96
03/06/12	11.90	0615	11.83	11.70	2115	96
03/07/12	12.80	1330	12.14	11.60	1300	96
03/08/12	12.50	1045	12.29	11.90	2230	96
03/09/12	11.90	0015	10.33	7.30	2300	96
03/10/12	9.10	1845	8.15	7.10	0030	96
03/11/12	8.90	1315	8.08	7.40	0245	96
03/12/12	9.80	0730	8.77	8.00	1645	96
03/13/12	9.40	1215	8.29	7.30	2145	96
03/14/12	8.40	0645	7.80	7.10	0200	96
03/15/12	11.60	0800	10.01	7.60	0200	95
03/16/12	11.39	1145	10.46	9.35	1130	96
03/17/12	10.68	0345	10.03	8.98	2015	96
03/18/12	10.68	1545	9.90	8.96	0215	96
03/19/12	10.64	1500	9.84	9.18	0300	96
03/20/12	10.77	0945	10.11	9.33	2330	96
03/21/12	12.60	0900	10.10	9.45	0215	96
03/22/12	11.01	2000	9.99	9.48	1130	96
03/23/12	10.88	0145	9.96	8.92	2315	96
03/24/12	10.39	1200	9.47	8.32	0600	96
03/25/12	9.63	0515	9.03	8.56	0445	96
03/26/12	9.33	1430	8.81	8.55	0630	96
03/27/12	11.91	1000	10.18	8.61	0145	96
03/28/12	10.78	0030	10.30	9.54	2200	96
03/29/12	10.90	0700	9.76	8.90	1345	96
03/30/12	9.90	1030	9.37	8.68	2300	96
03/31/12	9.60	0115	9.02	8.40	2215	96
AVERAGE	10.984		10.178	9.352		
STD DEV.:	1.319		1.413	1.673		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR March 2012

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
03/01/12	6.774	1545	6.740	6.705	0315	96
03/02/12	6.780	1600	6.756	6.740	0630	88
03/03/12	7.160	1730	7.044	6.884	1815	9
03/04/12	7.180	1100	6.872	6.556	0445	29
03/05/12	6.800	1130	6.800	6.800	1130	1
03/06/12	7.150	1545	6.839	6.549	1900	40
03/07/12	7.150	2315	6.876	6.523	0015	62
03/08/12	7.300	1200	7.095	6.900	1030	97
03/09/12	7.150	1515	7.062	6.900	1300	97
03/10/12	7.200	0530	7.148	7.080	0015	24
03/11/12	7.220	1745	7.162	7.120	2330	28
03/12/12	7.160	0815	7.101	6.800	1000	97
03/13/12	7.190	2400	7.094	6.800	1100	97
03/14/12	7.220	0230	7.144	6.800	1030	14
03/15/12	7.210	1100	7.114	6.800	0945	11
03/16/12	7.300	1245	7.257	6.800	1000	56
03/17/12	7.300	2200	7.266	7.240	0030	96
03/18/12	7.310	0930	7.267	7.230	1830	96
03/19/12	7.320	2330	7.266	7.230	1515	96
03/20/12	7.350	0645	7.322	7.200	1130	96
03/21/12	7.320	0100	7.216	6.900	1045	96
03/22/12	7.200	0000	6.950	6.780	1800	96
03/23/12	6.840	2315	6.807	6.780	1430	96
03/24/12	6.880	0615	6.839	6.800	1015	96
03/25/12	6.940	1345	6.891	6.810	0000	96
03/26/12	7.110	2115	7.003	6.890	0015	96
03/27/12	7.250	0715	6.928	6.580	1000	96
03/28/12	6.820	2200	6.786	6.740	0230	96
03/29/12	6.890	1815	6.844	6.800	1100	96
03/30/12	6.950	2130	6.913	6.880	0000	96
03/31/12	6.930	0000	6.930	6.930	0000	1
AVERAGE	7.108		7.011	6.856		
STD DEV.:	0.187		0.176	0.195		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR March 2012

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
03/13/12	6.700	2345	6.409	5.800	1245	45
03/14/12	7.000	1300	6.768	6.600	0830	96
03/15/12	6.700	0015	6.144	6.000	1315	96
03/16/12	6.100	0015	5.894	5.700	2045	96
03/17/12	5.600	0015	5.414	5.300	0715	96
03/18/12	6.700	2315	5.819	5.200	0600	96
03/19/12	7.500	1845	7.009	6.600	0345	96
03/20/12	8.600	2100	7.714	7.100	0745	96
03/21/12	9.200	2215	8.571	8.200	0715	96
03/22/12	10.300	2345	9.280	8.700	0745	96
03/23/12	11.200	2200	10.629	10.300	0015	96
03/24/12	11.200	0015	10.879	10.800	0745	96
03/25/12	10.900	0015	10.736	10.700	0515	96
03/26/12	10.700	0015	10.519	9.900	2345	96
03/27/12	9.800	0015	8.881	8.600	1015	96
03/28/12	8.700	0015	8.357	8.000	2330	96
03/29/12	8.000	0015	7.820	7.700	1615	96
03/30/12	7.900	1330	7.715	7.500	0700	96
03/31/12	8.300	1500	8.056	7.800	0015	96
AVERAGE	8.479		8.032	7.711		
STD DEV.:	1.802		1.771	1.790		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR March 2012

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
03/13/12	8.200	1730	7.930	7.700	1430	40
03/14/12	8.700	1315	8.201	8.000	0145	96
03/15/12	8.000	0015	7.431	7.200	1730	96
03/16/12	7.300	0145	7.131	6.900	0745	96
03/17/12	7.200	0030	7.000	6.800	0515	96
03/18/12	8.000	1530	7.358	6.600	0315	96
03/19/12	8.800	1445	8.333	7.700	0745	96
03/20/12	9.500	2030	8.845	8.300	0700	96
03/21/12	10.100	2215	9.685	9.300	0615	96
03/22/12	10.900	1600	10.358	9.800	0600	96
03/23/12	11.300	1445	10.891	10.500	0215	96
03/24/12	11.100	0045	10.538	10.200	1915	96
03/25/12	10.300	0015	10.118	10.000	1900	96
03/26/12	10.300	1345	9.782	8.900	2315	96
03/27/12	8.900	0030	8.136	7.600	2145	96
03/28/12	7.800	0200	7.685	7.400	0000	96
03/29/12	7.400	0015	7.167	6.800	2245	96
03/30/12	7.900	1300	7.155	6.600	0515	96
03/31/12	8.100	1430	7.371	6.900	0045	96
AVERAGE	8.937		8.480	8.063		
STD DEV.:	1.354		1.328	1.321		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2012

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/12	9.82	1415	8.88	7.92	2345	96
04/02/12	10.66	1245	9.17	7.60	0400	96
04/03/12	10.57	2200	9.50	8.01	0515	94
04/04/12	10.35	1545	9.46	8.29	0815	96
04/05/12	10.14	1130	9.11	7.71	0430	96
04/06/12	10.10	1530	8.88	7.62	0730	96
04/07/12	10.17	1300	9.12	7.87	0745	96
04/08/12	9.60	1000	8.76	7.97	0345	96
04/09/12	10.00	1700	9.07	8.03	0100	96
04/10/12	9.59	1530	8.93	8.11	0445	96
04/11/12	9.73	1130	8.82	7.64	0930	96
04/12/12	10.00	1115	9.01	7.78	0800	96
04/13/12	9.98	1330	8.97	7.77	0830	96
04/14/12	9.74	1500	8.99	7.77	0945	96
04/15/12	9.89	1130	9.11	8.23	0845	96
04/16/12	10.50	0945	9.57	8.70	2330	96
04/17/12	8.71	0015	8.21	7.53	2045	96
04/18/12	9.74	2015	8.45	6.92	0830	96
04/19/12	10.28	1815	9.63	9.08	0130	96
04/20/12	10.39	1400	9.89	9.23	0115	96
04/21/12	10.16	1415	9.86	9.33	0730	96
04/22/12	9.74	2015	9.41	9.17	0930	96
04/23/12	9.72	1845	9.43	9.09	0615	96
04/24/12	9.64	1800	9.48	9.25	0615	96
04/25/12	10.08	1930	9.75	9.37	0415	96
04/26/12	10.54	1245	10.13	9.83	0715	96
04/27/12	10.30	1630	10.13	9.93	0600	96
04/28/12	10.62	1615	10.16	9.90	1115	96
04/29/12	10.37	1745	10.17	9.95	0800	96
04/30/12	10.54	0745	10.08	9.87	1000	96
AVERAGE	10.056		9.338	8.515		
STD DEV.:	0.418		0.525	0.895		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR April 2012

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/12	6.568	1500	6.543	6.524	1145	96
04/02/12	6.652	2045	6.584	6.532	0945	96
04/03/12	6.705	1845	6.651	6.587	0830	94
04/04/12	6.683	0545	6.620	6.568	0000	96
04/05/12	6.684	1830	6.602	6.512	0700	96
04/06/12	6.716	2000	6.674	6.632	1015	96
04/07/12	6.734	1800	6.681	6.616	1000	96
04/08/12	6.745	0000	6.694	6.615	0900	96
04/09/12	6.755	1800	6.709	6.658	1115	96
04/10/12	6.715	0015	6.666	6.635	1915	96
04/11/12	6.701	0745	6.624	6.576	2345	96
04/12/12	6.643	1230	6.589	6.529	0600	96
04/13/12	6.664	1230	6.610	6.570	0845	96
04/14/12	6.609	1300	6.568	6.529	2200	96
04/15/12	6.608	0115	6.559	6.516	0745	96
04/16/12	6.627	1745	6.571	6.505	0315	61
04/17/12	6.625	1615	6.562	6.508	0815	96
04/18/12	6.774	0845	6.589	6.502	2300	62
04/19/12	6.887	1815	6.714	6.502	0830	62
04/20/12	6.833	1345	6.714	6.565	0115	96
04/21/12	6.766	1445	6.693	6.601	0645	96
04/22/12	6.823	2145	6.640	6.557	0915	96
04/23/12	6.800	0015	6.745	6.696	1430	96
04/24/12	6.736	0015	6.676	6.626	0645	96
04/25/12	6.936	1830	6.780	6.628	0400	96
04/26/12	6.872	0030	6.783	6.674	2045	96
04/27/12	6.756	1330	6.680	6.543	2345	96
04/28/12	6.694	2030	6.605	6.511	0145	96
04/29/12	6.673	1615	6.633	6.575	1030	96
04/30/12	6.641	0745	6.593	6.550	1930	96
AVERAGE	6.721		6.645	6.571		
STD DEV.:	0.089		0.066	0.056		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2012

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/12	10.470	1345	9.410	8.380	0645	96
04/02/12	10.400	1630	9.495	8.740	0630	96
04/03/12	10.660	1730	9.620	8.540	0815	94
04/04/12	12.420	1615	10.699	8.560	0245	96
04/05/12	11.140	0015	10.151	9.190	0815	96
04/06/12	11.230	1730	10.215	9.240	0615	96
04/07/12	11.420	1445	10.696	9.890	0915	96
04/08/12	11.040	0015	10.729	10.350	0715	96
04/09/12	11.560	1500	10.682	10.010	0615	96
04/10/12	12.950	1615	11.217	9.990	0615	96
04/11/12	13.520	1215	11.817	10.280	0630	96
04/12/12	12.790	1745	12.284	11.270	1145	96
04/13/12	13.770	1545	12.526	11.170	0630	96
04/14/12	16.220	1500	13.821	11.980	0700	96
04/15/12	17.110	1730	15.409	13.330	0630	96
04/16/12	23.630	2300	18.285	15.170	0715	96
04/17/12	25.680	1530	24.559	23.520	0000	96
04/18/12	23.430	0015	21.072	18.860	0000	96
04/19/12	21.160	1415	18.832	17.650	0630	96
04/20/12	20.040	1230	18.660	17.390	0500	96
04/21/12	20.660	1615	19.102	17.590	0715	96
04/22/12	19.110	0015	17.867	16.570	0000	96
04/23/12	16.970	1745	15.858	14.840	1430	96
04/24/12	16.250	0015	15.000	14.640	0900	96
04/25/12	17.000	1645	15.689	13.970	0515	96
04/26/12	17.070	1230	15.417	14.660	2015	96
04/27/12	15.810	1330	14.899	13.050	0000	96
04/28/12	14.050	1830	12.833	11.660	0700	96
04/29/12	14.530	1545	13.458	12.760	1000	96
04/30/12	14.020	1700	12.748	11.100	0945	93
AVERAGE	15.537		14.102	12.812		
STD DEV.:	4.295		3.859	3.695		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2012

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/12	9.12	0645	8.52	7.76	1915	96
04/02/12	8.73	0230	8.24	7.37	1215	49
04/03/12	8.15	0745	7.73	7.00	1745	68
04/04/12	11.51	1045	8.43	7.30	0615	96
04/05/12	9.96	1300	8.81	7.96	1930	96
04/06/12	10.00	1445	8.93	8.08	0015	91
04/07/12	9.87	0945	9.11	8.18	2215	96
04/08/12	8.98	0845	8.32	7.70	2130	96
04/09/12	8.63	1315	7.96	7.34	2100	96
04/10/12	7.87	1245	7.28	6.76	2145	96
04/11/12	13.39	0845	9.44	6.59	0530	96
04/12/12	10.59	1045	9.91	9.41	1915	96
04/13/12	9.94	1330	9.20	8.59	2315	96
04/14/12	9.70	1230	8.90	8.37	2345	96
04/15/12	9.56	1230	8.59	7.95	0000	96
04/16/12	9.71	1300	8.26	7.63	0000	96
04/17/12	14.92	1400	10.42	7.40	0445	82
04/18/12	11.95	0315	11.02	10.20	0500	96
04/19/12	12.01	1330	10.68	9.47	2215	96
04/20/12	11.39	1315	10.43	9.31	0000	96
04/21/12	9.74	1615	9.24	8.21	0000	96
04/22/12	8.62	0215	7.91	7.18	1815	96
04/23/12	7.58	1030	7.30	6.89	0645	95
04/24/12	7.75	0000	7.46	7.14	0330	96
04/25/12	8.30	1730	8.03	7.68	0215	96
04/26/12	12.13	1230	10.51	8.04	0045	96
04/27/12	11.55	1100	11.06	5.98	1300	96
04/28/12	11.42	1315	11.06	10.58	1830	96
04/29/12	11.40	1445	10.95	10.32	2315	96
04/30/12	11.76	0830	10.76	10.13	0045	96
AVERAGE	10.208		9.149	8.084		
STD DEV.:	1.764		1.238	1.188		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2012

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/12	7.133	2300	7.077	7.024	0030	96
04/02/12	7.182	1130	7.152	6.976	1215	49
04/03/12	7.281	1315	7.249	7.214	1530	68
04/04/12	7.301	0545	6.869	6.501	2145	96
04/05/12	6.789	2130	6.636	6.507	0130	96
04/06/12	6.839	0000	6.779	6.664	1000	42
04/07/12	7.061	2345	7.051	7.040	0000	2
04/08/12	7.205	0000	7.088	7.012	0115	96
04/09/12	7.318	0000	7.244	6.779	1200	96
04/10/12	7.345	0345	7.298	7.248	0915	96
04/11/12	7.423	0830	7.071	6.916	2030	96
04/12/12	7.105	2345	7.023	6.919	0015	96
04/13/12	7.209	1200	7.150	6.901	0000	49
04/16/12	7.000	1000	7.000	7.000	1000	1
04/17/12	6.900	1330	6.900	6.900	1330	1
04/18/12	7.243	1545	7.061	6.887	0930	67
04/19/12	7.226	0815	6.881	6.500	2030	83
04/20/12	7.257	1345	6.998	6.543	0815	63
04/21/12	7.140	1345	6.883	6.663	0730	96
04/22/12	6.763	1545	6.691	6.604	0715	96
04/23/12	6.846	1245	6.648	6.595	1130	89
04/24/12	6.960	1215	6.687	6.591	0615	95
04/25/12	7.117	1245	6.670	6.504	2315	96
04/26/12	7.173	0715	6.626	6.515	2330	72
04/27/12	7.049	0800	6.710	6.500	0445	94
04/28/12	7.065	0730	6.881	6.787	0500	96
04/29/12	7.200	0615	6.873	6.786	0445	96
04/30/12	7.226	0730	6.919	6.801	0515	96
AVERAGE	7.120		6.933	6.781		
STD DEV.:	0.174		0.200	0.227		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2012

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/12	8.340	1230	8.021	7.776	0415	96
04/02/12	8.950	1700	8.448	7.888	0045	96
04/03/12	9.900	0815	8.788	8.410	0800	94
04/04/12	10.170	1715	9.426	8.760	0030	96
04/05/12	10.140	1245	9.727	9.420	0000	96
04/06/12	9.970	1400	9.532	9.220	0530	96
04/07/12	10.790	1400	9.964	9.250	0415	96
04/08/12	10.460	1045	10.038	9.690	0000	96
04/09/12	10.190	1445	9.692	9.410	0500	96
04/10/12	10.550	1345	9.866	9.220	0515	96
04/11/12	11.270	1215	10.526	9.760	0530	96
04/12/12	11.680	1245	11.025	10.430	0530	96
04/13/12	12.320	1315	11.508	10.660	0545	96
04/14/12	13.260	1315	12.292	11.140	0530	96
04/15/12	14.610	1715	13.498	12.160	0600	96
04/16/12	16.380	1700	15.270	13.850	0515	96
04/17/12	17.710	1645	16.911	15.850	0600	96
04/18/12	17.550	1145	16.657	14.170	1345	92
04/19/12	15.830	0015	14.956	13.940	0000	94
04/20/12	15.690	1645	14.572	13.390	0600	96
04/21/12	16.590	1715	15.470	14.430	0615	96
04/22/12	15.850	0015	15.164	14.450	0000	96
04/23/12	14.410	0015	13.056	12.490	1500	95
04/24/12	12.790	0015	12.209	11.210	0000	96
04/25/12	11.160	0015	9.624	8.850	0000	96
04/26/12	9.440	0000	8.722	8.180	0700	96
04/27/12	9.900	1300	9.565	9.380	0630	96
04/28/12	9.430	0015	9.074	8.580	0730	96
04/29/12	9.630	1530	9.333	9.000	0645	96
04/30/12	10.430	1700	9.741	8.970	0645	96
AVERAGE	12.180		11.423	10.664		
STD DEV.:	2.847		2.681	2.342		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2012

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
04/01/12	8.320	1230	7.548	6.806	0700	96
04/02/12	8.820	1500	7.884	7.161	0515	96
04/03/12	9.170	1400	8.236	7.411	0630	94
04/04/12	9.830	1615	8.958	7.956	0545	96
04/05/12	10.210	1415	9.234	8.560	0000	96
04/06/12	10.180	1430	8.986	8.250	0645	96
04/07/12	10.400	1500	9.262	8.180	0630	96
04/08/12	9.780	1545	9.370	8.910	0700	96
04/09/12	9.840	1600	9.087	8.510	0600	96
04/10/12	10.330	1530	9.294	8.480	0630	96
04/11/12	11.120	1400	9.940	8.800	0600	96
04/12/12	11.050	1330	10.404	9.770	0630	96
04/13/12	12.320	1530	10.964	9.780	0600	96
04/14/12	13.060	1530	11.735	10.270	0630	96
04/15/12	14.350	1730	13.202	11.710	0615	96
04/16/12	16.590	2045	15.199	13.560	0600	96
04/17/12	18.300	1615	17.040	15.980	0630	96
04/18/12	17.300	1600	16.524	15.530	0700	96
04/19/12	17.470	1615	16.155	14.950	0700	96
04/20/12	22.580	1415	15.861	10.000	1400	95
04/21/12	16.850	1630	15.828	14.860	0645	96
04/22/12	16.440	0015	15.333	14.660	0000	96
04/23/12	18.910	0915	13.073	7.390	0745	91
04/24/12	12.560	0145	12.385	11.890	0000	96
04/25/12	11.850	0015	10.667	10.060	2345	96
04/26/12	10.310	1400	9.913	9.430	0630	96
04/27/12	10.780	1315	10.309	9.860	0000	96
04/28/12	9.970	1415	9.703	9.280	0800	96
04/29/12	10.440	1445	9.935	9.630	0645	96
04/30/12	10.790	1500	10.187	9.490	0600	96
AVERAGE	12.664		11.407	10.237		
STD DEV.:	3.655		2.895	2.669		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2012

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/12	10.14	0015	9.95	9.82	2345	96
05/02/12	11.59	1300	10.23	9.51	0500	96
05/03/12	10.57	0030	10.32	10.14	0900	96
05/04/12	10.35	2215	10.24	10.14	0830	96
05/05/12	10.57	2330	10.35	10.12	0730	96
05/06/12	10.57	0045	10.31	10.04	0700	96
05/07/12	10.38	0115	10.16	10.01	0730	96
05/08/12	10.18	0030	9.99	9.78	2215	96
05/09/12	10.18	0945	9.86	9.76	1900	96
05/10/12	10.10	1630	9.99	9.83	0030	96
05/11/12	10.37	0700	10.09	9.86	0015	96
05/12/12	10.37	1115	10.06	9.94	1430	96
05/13/12	10.18	0015	9.99	9.86	0800	96
05/14/12	10.11	0030	9.86	9.62	0830	96
05/15/12	10.29	0730	9.56	9.21	2045	96
05/16/12	9.72	2000	9.49	9.21	0730	96
05/17/12	9.77	0200	9.54	9.43	1300	96
05/18/12	9.54	0615	9.11	8.68	1215	96
05/19/12	9.13	1045	8.77	8.55	0800	96
05/20/12	8.77	0130	8.46	8.18	2230	96
05/21/12	8.81	0045	8.26	7.88	1945	96
05/22/12	8.35	0115	7.88	7.61	0000	96
05/23/12	8.31	0845	7.97	7.63	0600	96
05/24/12	8.28	0945	7.94	7.46	2345	96
05/25/12	9.03	2315	8.09	7.49	0130	96
05/26/12	9.21	1530	8.69	8.24	0000	96
05/27/12	8.37	0115	8.06	7.72	0000	96
05/28/12	8.36	1400	7.91	7.49	0315	96
05/29/12	7.75	0015	5.92	4.87	0330	96
05/30/12	6.95	1445	5.97	4.87	0600	96
05/31/12	7.81	1715	7.07	6.12	0315	96
AVERAGE	9.487		9.035	8.679		
STD DEV.:	1.076		1.262	1.486		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR May 2012

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/12	6.575	1530	6.549	6.505	2245	96
05/02/12	6.766	1515	6.659	6.517	0000	96
05/03/12	6.730	0030	6.674	6.645	1230	96
05/04/12	6.704	0400	6.661	6.629	1845	96
05/05/12	6.747	2130	6.683	6.631	0515	96
05/06/12	6.761	0145	6.704	6.617	0600	96
05/07/12	6.738	2145	6.674	6.598	1315	96
05/08/12	6.760	1645	6.709	6.620	0400	96
05/09/12	6.798	0900	6.729	6.616	0945	96
05/10/12	6.763	1645	6.745	6.725	0545	96
05/11/12	6.769	1915	6.739	6.697	0700	96
05/12/12	6.773	1915	6.739	6.706	0815	96
05/13/12	6.787	1815	6.737	6.692	1430	96
05/14/12	6.746	0015	6.699	6.654	1215	96
05/15/12	6.697	0030	6.661	6.572	0800	96
05/16/12	7.094	0730	6.678	6.607	0745	96
05/17/12	6.748	1915	6.713	6.656	0430	96
05/18/12	6.811	2030	6.731	6.696	1000	96
05/19/12	6.749	0030	6.690	6.658	1200	96
05/20/12	6.689	0030	6.644	6.585	2330	96
05/21/12	6.766	0730	6.626	6.548	2145	96
05/22/12	6.634	2015	6.587	6.530	0600	96
05/23/12	6.636	1615	6.591	6.520	2345	96
05/24/12	6.911	1915	6.773	6.511	0030	96
05/25/12	6.875	0015	6.802	6.740	1230	96
05/26/12	6.916	1845	6.812	6.725	0245	96
05/27/12	6.942	1945	6.871	6.812	0230	96
05/28/12	6.935	1830	6.834	6.742	0630	96
05/29/12	6.871	2330	6.770	6.701	0900	96
05/30/12	6.956	2345	6.839	6.704	1000	96
05/31/12	6.966	0015	6.886	6.803	1430	96
AVERAGE	6.794		6.716	6.644		
STD DEV.:	0.112		0.081	0.084		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2012

STATION: Zero

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/12	12.080	0045	10.957	10.120	2300	96
05/02/12	11.950	1230	10.819	9.230	0145	96
05/03/12	11.600	1430	10.994	10.250	0030	96
05/04/12	11.670	2215	11.151	10.790	0645	96
05/05/12	13.160	1700	11.671	11.030	0930	96
05/06/12	14.260	1745	12.510	10.890	0115	96
05/07/12	15.470	1300	13.530	12.080	0030	96
05/08/12	13.730	0515	12.893	12.300	1945	96
05/09/12	13.340	1015	12.596	12.130	0815	96
05/10/12	13.490	1515	12.893	12.130	0630	96
05/11/12	13.880	1900	12.719	11.630	0700	96
05/12/12	15.930	1745	13.631	12.030	0345	96
05/13/12	16.290	1830	14.514	13.230	0500	96
05/14/12	16.090	1415	14.627	13.840	2100	96
05/15/12	15.430	1145	14.579	13.490	0845	96
05/16/12	16.010	1230	15.151	14.420	2145	96
05/17/12	16.630	1830	15.388	14.230	0845	96
05/18/12	16.920	1345	15.708	14.570	0600	96
05/19/12	18.060	1745	16.609	15.440	0745	96
05/20/12	19.870	1215	17.652	16.290	0815	96
05/21/12	19.790	1230	18.182	17.330	0500	96
05/22/12	19.090	1815	18.465	18.130	2345	96
05/23/12	20.670	1430	19.168	18.170	0545	96
05/24/12	20.040	0945	19.410	19.030	2130	96
05/25/12	19.510	1900	19.181	18.950	0445	96
05/26/12	22.640	1845	20.356	18.890	0600	96
05/27/12	22.420	1515	20.715	19.530	0715	96
05/28/12	23.070	1500	21.023	20.010	0500	96
05/29/12	20.710	1445	20.213	19.410	2330	96
05/30/12	21.540	1500	20.004	19.190	0645	96
05/31/12	21.920	1715	20.650	19.550	0500	96
AVERAGE	17.008		15.741	14.784		
STD DEV.:	3.611		3.454	3.495		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2012

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/12	10.86	0045	9.56	8.46	0000	96
05/02/12	8.51	0130	8.24	7.84	0000	96
05/03/12	11.27	1115	9.81	5.48	0915	96
05/04/12	11.17	0400	10.86	10.37	2115	96
05/05/12	10.95	1745	10.71	10.41	0530	96
05/06/12	10.88	1015	10.61	10.19	2330	96
05/07/12	10.57	0015	10.17	1.06	0715	95
05/08/12	10.25	0630	9.92	9.37	2100	96
05/09/12	10.20	2300	9.86	9.46	0445	96
05/10/12	10.65	1045	10.34	9.94	2345	96
05/11/12	11.20	2245	10.65	9.80	0100	96
05/12/12	11.17	0845	11.00	10.79	0000	96
05/13/12	10.88	0015	10.57	10.21	0000	96
05/14/12	10.33	0215	10.13	9.86	2100	96
05/15/12	10.22	1015	9.81	9.40	0745	96
05/16/12	9.84	2245	9.62	9.42	0215	96
05/17/12	10.08	0815	9.91	9.70	0100	96
05/18/12	10.22	1300	10.07	9.93	0245	96
05/19/12	10.05	0045	9.80	9.43	2130	96
05/20/12	9.59	0015	9.28	8.93	2300	96
05/21/12	9.05	0900	8.84	8.50	2330	96
05/22/12	8.72	1000	8.45	8.19	2300	96
05/23/12	8.62	1700	8.29	8.04	0330	96
05/24/12	8.73	1400	8.24	7.84	0445	70
05/25/12	8.49	1200	8.20	7.83	0530	96
05/26/12	8.65	1015	8.15	7.69	2330	96
05/27/12	8.56	1530	8.03	7.54	0300	96
05/28/12	8.49	1630	7.95	7.13	0430	96
05/29/12	8.10	0115	7.68	7.30	1730	92
05/30/12	8.42	1530	7.85	7.25	0130	90
05/31/12	8.61	1530	8.37	7.98	0230	91
AVERAGE	9.785		9.385	8.559		
STD DEV.:	1.058		1.051	1.865		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2012

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/12	6.843	1730	6.812	6.783	0600	96
05/02/12	6.923	1145	6.844	6.801	0200	96
05/03/12	6.995	0915	6.844	6.806	2200	96
05/04/12	6.862	1430	6.821	6.792	0815	90
05/07/12	7.036	0900	6.838	6.767	2330	66
05/08/12	6.779	0030	6.750	6.726	0445	96
05/09/12	6.954	0945	6.762	6.736	0800	96
05/10/12	6.874	1100	6.734	6.685	0730	96
05/11/12	6.854	1030	6.707	6.597	2330	96
05/12/12	7.256	0700	6.693	6.605	0345	96
05/13/12	6.930	0700	6.691	6.612	1045	96
05/14/12	6.734	1230	6.671	6.648	0545	96
05/15/12	6.732	1015	6.680	6.621	0945	96
05/16/12	7.015	0715	6.697	6.672	2145	96
05/17/12	6.727	1600	6.702	6.669	0500	96
05/18/12	7.330	0615	6.697	6.651	1530	85
05/19/12	6.808	0645	6.654	6.606	1200	96
05/20/12	6.801	0645	6.605	6.501	1230	96
05/21/12	6.962	2245	6.611	6.532	1200	91
05/22/12	6.759	1600	6.729	6.586	0915	60
05/23/12	6.781	0645	6.719	6.549	0945	96
05/24/12	6.791	1400	6.768	6.741	0015	70
05/25/12	6.938	1200	6.779	6.752	0900	86
05/28/12	6.800	1100	6.800	6.800	1100	1
05/29/12	6.857	1530	6.825	6.782	2300	60
05/30/12	6.858	1830	6.822	6.777	0745	90
05/31/12	6.850	0815	6.808	6.777	1230	91
AVERAGE	6.891		6.743	6.688		
STD DEV.:	0.145		0.071	0.093		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2012

STATION: N10

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/12	10.550	0330	10.123	9.500	0000	96
05/02/12	9.480	0015	9.394	9.290	2215	96
05/03/12	9.420	0400	9.293	9.210	1930	96
05/04/12	9.500	2315	9.348	9.190	0645	96
05/05/12	10.710	2315	10.019	9.500	0015	96
05/06/12	11.680	2330	11.161	10.560	0615	96
05/07/12	12.740	2345	12.136	11.450	0645	96
05/08/12	12.870	0415	12.552	12.130	0000	96
05/09/12	12.700	2200	12.365	12.080	0715	96
05/10/12	12.610	0015	12.227	11.760	0000	96
05/11/12	11.720	0015	11.189	10.940	0930	96
05/12/12	12.420	2215	11.576	10.840	0615	96
05/13/12	13.340	2230	12.719	12.160	0545	96
05/14/12	13.450	1915	13.273	13.010	0800	96
05/15/12	14.320	2230	13.847	13.300	0545	96
05/16/12	20.030	2345	14.774	14.050	0730	96
05/17/12	20.000	0015	16.055	12.630	0845	94
05/18/12	14.650	1900	14.279	13.830	0645	96
05/19/12	15.590	2230	14.795	14.050	0600	96
05/20/12	16.940	2200	16.099	15.260	0530	96
05/21/12	17.570	0000	16.961	16.360	0615	96
05/22/12	17.590	0145	17.355	17.200	2230	96
05/23/12	18.210	2345	17.738	17.220	0015	96
05/24/12	18.580	1430	18.368	18.170	0745	96
05/25/12	18.470	0045	18.191	17.030	0945	96
05/26/12	19.390	1600	18.729	17.950	0315	96
05/27/12	20.370	1545	19.838	19.270	0015	96
05/28/12	20.790	1545	20.272	19.870	0530	96
05/29/12	20.190	0615	19.949	19.320	0000	96
05/30/12	19.640	2300	19.247	18.880	0915	96
05/31/12	20.060	1800	19.571	19.130	0900	96
AVERAGE	15.341		14.627	14.037		
STD DEV.:	3.829		3.603	3.540		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2012

STATION: S4

PARAMETER: Temperature (Deg. C)

DAY	MAXIMUM		DAILY AVERAGE	MINIMUM		#of INT.
	(PARAM)	TIME		(PARAM)	TIME	
05/01/12	10.490	0415	10.287	9.800	0000	96
05/02/12	9.790	0015	9.631	9.450	2345	96
05/03/12	9.690	1245	9.545	9.430	0145	96
05/04/12	9.700	1745	9.558	9.450	0045	96
05/05/12	10.740	0000	10.196	9.650	0115	96
05/06/12	11.910	1530	11.323	10.730	0600	96
05/07/12	12.890	1545	12.249	11.590	0345	96
05/08/12	12.750	0530	12.583	12.270	0000	96
05/09/12	12.520	0000	12.290	12.140	0400	96
05/10/12	12.530	0015	12.288	11.970	0000	96
05/11/12	11.930	0015	11.322	11.130	0930	96
05/12/12	12.430	2315	11.649	10.900	0615	96
05/13/12	13.390	2015	12.846	12.240	0600	96
05/14/12	13.630	1545	13.387	13.140	0815	96
05/15/12	14.300	2300	13.919	13.380	0645	96
05/16/12	14.550	1630	14.384	14.220	0530	96
05/17/12	14.940	2000	14.614	14.190	0600	96
05/18/12	14.860	1415	14.633	14.180	0645	96
05/19/12	15.780	2330	15.137	14.360	0600	96
05/20/12	17.030	1530	16.403	15.540	0600	96
05/21/12	17.810	1400	17.284	16.680	0545	96
05/22/12	17.790	1315	17.662	17.430	0000	96
05/23/12	18.890	1430	18.179	17.390	0115	96
05/24/12	19.290	1515	18.809	18.400	0100	96
05/25/12	18.680	0015	18.493	17.540	0915	96
05/26/12	19.770	1545	18.928	18.030	0500	96
05/27/12	20.900	1345	20.041	19.200	0130	96
05/28/12	21.410	1500	20.526	19.850	0415	96
05/29/12	20.350	1245	19.976	19.150	0000	96
05/30/12	19.350	0000	19.081	18.820	0800	96
05/31/12	19.770	1845	19.443	19.180	0500	96
AVERAGE	15.157		14.731	14.240		
STD DEV.:	3.697		3.607	3.489		