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of New Hampshire**

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December 18, 2013

D32376

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William H. Smagula, P.E.
Vice President - Generation

DEC 20 2013

Reference: NPDES Permit No. NH0001465, Merrimack Station, Public Service Company of New Hampshire, Issued on June 25, 1992, Modified on October 2, 1992

Dear Mr. Stewart:

Merrimack Station
Biological 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 Part 1, item 13 of the referenced permit, submits the biological monitoring program annual report for its, Merrimack Station, Bow, New Hampshire. The report covers the period June 1, 2012 through May 31, 2013. 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. Allan Palmer, Senior Engineer PSNH Generation at (603) 634-2439.

Very truly yours,

William H. Smagula, P.E.
Vice President-Generation

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ANNUAL REPORT

2012-2013

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE

MERRIMACK GENERATING STATION

BIOLOGICAL MONITORING PROGRAM

(NPDES PERMIT NO. NH0001465)

DEC 20 2013

PSNH Merrimack Station 2012-2013
Biological Monitoring Report
NPDES Permit No. NH0001465

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I. EXECUTIVE SUMMARY

PSNH operates four (4) biological 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, the 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 2012 through May 2013.

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 Probabilistic 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.

Please refer to past annual reports for the history of the program.

In April 2012 new Campbell Scientific CR1000 data loggers, Tripp-Lite UPS, Tele-Design radios systems and Rosemount 644R Smart temperature transmitters during its history for continued reliability.

It is evident that the Biological 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
- Rosemount temperature transmitter 644R (Smart)
- Tripp-Lite Uninterruptable Power Supply (UPS)
- Tele-Design radio
- Campbell Scientific CR1000 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 18" inches below the water surface of the river on river buoys which are anchored to the bottom of the river.

The radio transmitter provides a signal to a Tele-Design radio base station which interfaces with an INVENSYS (Foxboro) IA-DCS computer in the control room at the power station. The CR1000 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 CR1000 data logger
 - * Tripp-Lite Uninterruptable Power Supply (UPS)

Station N-5

- Field Probes
 - * Rosemount Model 499A D.O. probe
 - * Rosemount Analytical Model 3900-02 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 during periods of normal plant operation. The probes are mounted to a floating buoy and submerged approximately 18" inches below the water surface. 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 dissolved oxygen river conditions and intercept river flow. The CR1000 data logger is used for data storage.

Station S-0

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

- S-0 instrument panel enclosure
 - * Tele-Design radio system
 - * Rosemount temperature transmitter 644R (Smart)
 - * Rosemount Model 1056 D.O. analyzer (Duel Input)
 - * Rosemount Analytical Model 5081 pH analyzer
 - * Campbell Scientific CR1000 data logger
 - * Tripp-Lite Uninterruptable Power Supply (UPS)
- Field probes
 - * Rosemount Model 499A D.O. probe
 - * Rosemount Analytical Model 3900-02 pH probe
 - * 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 18" inches below the water surface. The CR1000 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 18" inches below the water surface.
 2. Inspect pH probe. Clean electrodes. Check to insure the probe is approximately 18" inches below the water surface. Check % slope output on the pH probe.
 3. Check battery voltage reading of the CR 1000 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 18" inches 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 18" inches 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.

- Stations N-10 & S-4 continued:
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 2012 and 2013 one or possibly 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.

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. Tripp-Lite uninterruptable power supplies (UPS) have been installed at the stations four river monitoring locations.

Auxiliary sources of data were enlisted to maintain monitoring program continuity during most extended data outages. 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 maintained and utilized by maintenance personnel as required 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 equipment. Instrument repair and parts replacement on these units is sometimes more challenging.

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

TABLE 1. SUMMARY OF MONTHLY AVERAGE DATA

ANNUAL REPORT

PUBLIC SERVICE OF COMPANY NEW HAMPSHIRE

MERRIMACK GENERATING STATION

BIOLOGICAL MONITORING PROGRAM

| | <u>Month</u> | N-10 | N-5 | | S-0 | | | S-4 |
|-------------------|--------------|--------------|-------------|-----------|--------------|-------------|-----------|--------------|
| | | <u>Temp.</u> | <u>D.O.</u> | <u>pH</u> | <u>Temp.</u> | <u>D.O.</u> | <u>pH</u> | <u>Temp.</u> |
| First Quarter | June | 19.4 | 8.0 | 6.8 | 21.2 | 7.3 | 6.9 | 19.4 |
| | July | 25.1 | 6.4 | 6.9 | 32.9 | 5.4 | 7.3 | 27.6 |
| | August | 24.7 | 5.7 | 7.0 | 27.9 | 6.9 | 7.1 | 25.8 |
| Second Quarter | Sept | 19.6 | 7.2 | 6.9 | 20.2 | 7.9 | 6.9 | 19.2 |
| | Oct | 12.4 | 8.0 | 6.8 | 13.0 | 9.0 | 6.7 | 12.0 |
| | Nov | 6.7 | 8.9 | 7.0 | 13.2 | 9.7 | 7.0 | 6.9 |
| Third Quarter | Dec | NA | NA | 7.0 | 12.0 | 12.8 | 7.0 | NA |
| | Jan | NA | NA | 7.0 | 13.0 | NA | 6.8 | NA |
| | Feb | NA | NA | 7.1 | 13.4 | NA | 7.0 | NA |
| Fourth Quarter | March | NA | NA | 6.9 | 12.8 | NA | 7.0 | NA |
| | April | 8.3 | 11.5 | 6.9 | 8.5 | 11.0 | 6.9 | 7.7 |
| | May | 14.8 | 10.2 | 6.9 | 15.8 | 9.4 | 6.9 | 14.6 |

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Temperature Units = Degrees Centigrade

Dissolved Oxygen Units - mg/liter

pH units - Standard Units

NA - Station not in service during winter months

TABLE 2. SUMMARY OF MAJOR EQUIPMENT MALFUNCTIONS

| <u>DATE</u> | <u>STATION</u> | <u>PARAMETERS</u> | <u>CAUSE/REMEDIAL ACTIONS</u> |
|-------------|----------------|-------------------|---|
| 6/4 | N5 | pH | Unit #2 out of service with no water flow at the screen house. Out of range pH data collected. |
| 6/16-6/18 | N5 | pH | Unit #2 out of service with no water flow at the screen house. Out of range pH data collected. |
| 7/4-7/9 | N5 | pH | Unit #2 out of service with no water flow at the screen house. Out of range pH data collected. |
| 7/22-7/23 | N5 | pH | Off scale data collected. pH analyzer reads full scale. Reboot pH analyzer, re-program Inspected probe voltages. Placed in operation. |
| 7/26-7/27 | N5 | pH | Off scale data collected. pH analyzer reads full scale. Reboot pH analyzer, re-program Inspected probe voltages. Placed in operation. |
| 7/30-7/31 | N5 | pH | Off scale data collected. Reset pH loop and replaced surge protection devices. Calibrated pH analyzer. Placed in operation. |
| 8/11-8/13 | N5 | pH | Unit #2 out of service with no water flow at the screen house. Out of range pH data collected. |
| 8/27-8/30 | S0 | All | Station upgrade maintenance. New control cable, all grounding connections, new temperature probe. All terminations were confirmed. AC power restored on 8/30. All parameters operational. |
| 9/4-9/5 | N5 | pH | Unit #2 out of service with no water flow at the screen house. Out of range pH data collected. |
| 9/8-9/10 | N5 | pH | Unit #2 out of service with no water flow at the screen house. Out of range pH data collected. |
| 9/19-9/20 | N5 | pH | Unit #2 out of service with no water flow at the screen house. Out of range pH data collected. |
| 10/21-10/22 | N5 | pH | Unit #2 out of service with no water flow at the screen house. Out of 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> |
|-------------|----------------|-------------------|---|
| 10/27-10/30 | N5 | pH | Unit #2 out of service with no water flow at the screen house. Out of range pH data collected. |
| 10/28 | S0 | pH | pH analyzer reads full scale. Reboot and reprogrammed analyzer and checked factory defaults. Checked probe voltages. Calibrated and placed in operation. |
| 11/10-11/13 | N5 | pH | Probe cable damaged at the sensor. Reading is 0.00. Replaced cable and calibrated. |
| 12/2-12/7 | N5 | pH | pH probe out of the water. pH analyzer at full scale. Calibrated 4-20 output and re-ranged pH transmitter. pH transmitter wiring upgraded. |
| 1/21 | S0 | pH | Unknown cause for off scale data. pH analyzer required a reboot and was reprogrammed. Placed in operation. |
| 1/22 | N5 | pH | Thawed probe body due to ice buildup and standardized with buffer solutions. Placed in operation. Water 0.1 degrees centigrade. |
| 2/4-2/5 | N5 | pH | Probe body encased in ice. Thawed and standardized with buffer solution. Placed in operation. Water 0.0 degrees centigrade. |
| 3/11-3/12 | N5 | pH | Unknown Cause. Rebooted and re-programmed the analyzer. Placed in operation. |
| 3/22-3/26 | N5 | pH | Off scale data. Unit #2 cycling to reserve status. Cycling power to analyzer. No water flow to the screen house. |
| 3/30-4/1 | S0 | pH | Unit #1 and Unit #2 in reserve status with no water flow to the canal. Reboot analyzer and re-program. Placed in operation. |
| 4/2 | N5 | pH | Unit #2 cycling to reserve status with no water flow at the screen house. Out of range pH data collected. |
| 4/18 | N5 | pH | Unit #2 in reserve status with no water flow at the screen house. Adding new protective sleeve to probe. Adding wiring to connect to the ADH computer. Placed in operation. |

TABLE 2. SUMMARY OF MAJOR EQUIPMENT MALFUNCTIONS

| <u>DATE</u> | <u>STATION</u> | <u>PARAMETERS</u> | <u>CAUSE/REMEDIAL ACTIONS</u> |
|-------------|----------------|-------------------|--|
| 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 program failure. Unit reads full scale. Re-initialized program and returned to service. |
| 5/25-5/29 | N5 | pH | pH analyzer program 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. |

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TABLE 3. SUMMARY OF pH DATA

Throughout the year, pH values fell below the specified lower limit of 6.5 SU. These occurrences were caused by the natural reduction of the pH due to the seasonal ambient conditions on 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 -7.25 | 6.66 -7.41 |
| JULY | 6.64 -7.67 | 6.75 -7.80 |
| AUGUST | 6.71 -7.70 | 6.46 -8.20 |
| SEPTEMBER | 6.59 -7.32 | 6.63 -7.46 |
| OCTOBER | 6.59 -7.26 | 6.46 -7.14 |
| NOVEMBER | 6.53 -7.22 | 6.67 -7.34 |
| DECEMBER | 6.65 -7.18 | 6.53 -7.39 |
| JANUARY | 6.61 -7.15 | 6.59 -7.20 |
| FEBRUARY | 6.74 -7.34 | 6.83 -7.22 |
| MARCH | 6.68 -7.21 | 6.69 -7.23 |
| APRIL | 6.70 -7.11 | 6.59 -7.14 |
| MAY | 6.79 -7.20 | 6.58 -7.29 |

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On average, the differential between stations N-5 and S-0 is typically 0.3 SU or less. Occasionally the differential drifts slightly higher, usually due to probe fouling. The fouling process is aggravated during the year by various events such as river temperature increases, and spring run-off.

To date, the quality of data collected has not been significantly affected by probe fouling. PSNH has improved the equipment inspection schedule and the efficiency of data processing to lessen the impact of fouling and detect discrepancies.

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 activity 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 21, 2012 when the ambient river temperature fell below 40° F. Station S-4 was removed from service on November 21, 2012.

Station S-4 was installed on April 9, 2013 and Station N-10 was installed on April 9, 2013. The ambient river temperature was 43.7 °Fahrenheit.

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

V. Annual Summary continued

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 November 21, 2012 after ambient river temperature fell below 40°Fahrenheit. Station S-0 probe was removed from service on December 5, 2012.

The probe was installed at S-0 on April 11, 2013, and the probe was installed at N-5 on April 10, 2013. The average ambient river temperature on April 11, 2013 was 43.9 ° Fahrenheit.

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 March 29, 2013 Unit # 1 was placed in reserve outage status at 2353 and on March 29, 2013 Unit # 2 was placed in reserve outage status at 2336. Unit # 1 was placed in service on April 2, 2013 at 0407 and Unit # 2 was placed in service on April 21, 2013 at 1500.

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Merrimack Station biological monitoring data is organized in the following chronological sequence, June 2012 through May 2013. 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 2012

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 06/01/12 | 7.86 | 1215 | 7.49 | 7.12 | 2330 | 96 |
| 06/02/12 | 7.29 | 0000 | 7.12 | 6.98 | 2200 | 96 |
| 06/03/12 | 7.87 | 2115 | 7.59 | 7.17 | 0100 | 96 |
| 06/04/12 | 7.83 | 0730 | 7.47 | 7.17 | 2315 | 96 |
| 06/05/12 | 7.60 | 0815 | 7.16 | 7.03 | 1030 | 96 |
| 06/06/12 | 8.45 | 1400 | 7.45 | 6.87 | 0745 | 96 |
| 06/07/12 | 8.21 | 1500 | 7.83 | 7.43 | 0300 | 96 |
| 06/08/12 | 8.08 | 0800 | 7.86 | 7.63 | 0115 | 96 |
| 06/09/12 | 8.18 | 1400 | 7.94 | 7.72 | 0430 | 96 |
| 06/10/12 | 8.11 | 1715 | 7.83 | 7.57 | 2000 | 96 |
| 06/11/12 | 8.11 | 0730 | 7.86 | 7.65 | 0130 | 96 |
| 06/12/12 | 7.98 | 1130 | 7.82 | 7.66 | 0715 | 96 |
| 06/13/12 | 7.77 | 0045 | 7.47 | 7.24 | 1345 | 96 |
| 06/14/12 | 8.00 | 2145 | 7.70 | 7.39 | 0815 | 96 |
| 06/15/12 | 8.29 | 1930 | 7.81 | 7.37 | 0945 | 96 |
| 06/16/12 | 8.06 | 1315 | 7.54 | 7.10 | 2215 | 96 |
| 06/17/12 | 7.77 | 1400 | 7.31 | 6.80 | 0000 | 96 |
| 06/18/12 | 8.01 | 1730 | 7.35 | 6.44 | 0515 | 96 |
| 06/19/12 | 8.09 | 2100 | 7.48 | 6.89 | 0345 | 96 |
| 06/20/12 | 7.67 | 0030 | 7.19 | 6.73 | 1415 | 96 |
| 06/21/12 | 7.03 | 0030 | 6.37 | 5.95 | 2045 | 96 |
| 06/22/12 | 6.36 | 0700 | 6.12 | 5.86 | 1815 | 96 |
| 06/23/12 | 7.76 | 0900 | 7.11 | 6.34 | 0015 | 96 |
| 06/24/12 | 6.87 | 0830 | 6.80 | 6.72 | 2330 | 96 |
| 06/25/12 | 7.46 | 1045 | 7.10 | 6.77 | 0215 | 96 |
| 06/26/12 | 7.32 | 1130 | 6.86 | 6.67 | 1915 | 96 |
| 06/27/12 | 7.65 | 1915 | 7.28 | 6.85 | 0130 | 96 |
| 06/28/12 | 8.04 | 2000 | 7.32 | 6.91 | 1400 | 96 |
| 06/29/12 | 7.38 | 1130 | 7.02 | 6.77 | 2315 | 96 |
| 06/30/12 | 6.87 | 0015 | 6.74 | 6.54 | 0745 | 96 |
| AVERAGE | 7.732 | | 7.333 | 6.977 | | |
| STD DEV.: | 0.481 | | 0.447 | 0.475 | | |

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

STATION: Zero

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 06/01/12 | 6.948 | 1600 | 6.867 | 6.787 | 2315 | 96 |
| 06/02/12 | 6.853 | 1315 | 6.810 | 6.767 | 2215 | 96 |
| 06/03/12 | 6.900 | 1645 | 6.848 | 6.781 | 0115 | 96 |
| 06/04/12 | 6.879 | 1615 | 6.859 | 6.831 | 2330 | 96 |
| 06/05/12 | 6.845 | 0015 | 6.814 | 6.788 | 2130 | 96 |
| 06/06/12 | 6.813 | 2230 | 6.765 | 6.702 | 1315 | 96 |
| 06/07/12 | 6.877 | 1645 | 6.772 | 6.706 | 0700 | 96 |
| 06/08/12 | 6.860 | 2245 | 6.782 | 6.692 | 0115 | 96 |
| 06/09/12 | 6.911 | 1815 | 6.836 | 6.716 | 0015 | 96 |
| 06/10/12 | 6.899 | 1730 | 6.850 | 6.745 | 1230 | 96 |
| 06/11/12 | 6.879 | 1930 | 6.819 | 6.753 | 0715 | 96 |
| 06/12/12 | 6.862 | 0215 | 6.804 | 6.730 | 2300 | 96 |
| 06/13/12 | 6.876 | 1830 | 6.814 | 6.741 | 0100 | 96 |
| 06/14/12 | 6.977 | 0930 | 6.908 | 6.839 | 0030 | 96 |
| 06/15/12 | 6.952 | 1800 | 6.901 | 6.841 | 0815 | 96 |
| 06/16/12 | 6.945 | 1345 | 6.898 | 6.824 | 2330 | 96 |
| 06/17/12 | 6.882 | 1530 | 6.811 | 6.758 | 1015 | 96 |
| 06/18/12 | 6.850 | 1645 | 6.795 | 6.729 | 0845 | 96 |
| 06/19/12 | 6.804 | 1500 | 6.736 | 6.666 | 0930 | 96 |
| 06/20/12 | 7.372 | 1915 | 6.973 | 6.725 | 0030 | 96 |
| 06/21/12 | 7.362 | 1430 | 7.298 | 7.232 | 0445 | 96 |
| 06/22/12 | 7.377 | 1230 | 7.296 | 7.180 | 0230 | 96 |
| 06/23/12 | 7.372 | 0815 | 7.105 | 6.887 | 2345 | 96 |
| 06/24/12 | 7.008 | 1900 | 6.902 | 6.819 | 0415 | 96 |
| 06/25/12 | 6.849 | 0045 | 6.791 | 6.725 | 2215 | 96 |
| 06/26/12 | 6.982 | 1430 | 6.856 | 6.725 | 0045 | 96 |
| 06/27/12 | 6.969 | 2145 | 6.890 | 6.843 | 0600 | 96 |
| 06/28/12 | 7.126 | 2000 | 6.960 | 6.849 | 0815 | 96 |
| 06/29/12 | 7.311 | 2015 | 7.009 | 6.774 | 1000 | 96 |
| 06/30/12 | 7.409 | 1130 | 7.291 | 7.195 | 0545 | 96 |
| AVERAGE | 6.998 | | 6.902 | 6.812 | | |
| STD DEV.: | 0.199 | | 0.154 | 0.143 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2012

STATION: Zero

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 06/01/12 | 21.970 | 1500 | 20.751 | 19.850 | 0000 | 96 |
| 06/02/12 | 19.840 | 0015 | 18.900 | 17.270 | 0000 | 96 |
| 06/03/12 | 17.540 | 0045 | 16.901 | 16.260 | 0615 | 96 |
| 06/04/12 | 17.300 | 0315 | 16.812 | 16.330 | 0730 | 96 |
| 06/05/12 | 16.740 | 0030 | 16.368 | 15.580 | 0815 | 96 |
| 06/06/12 | 16.650 | 1630 | 15.977 | 15.370 | 0545 | 96 |
| 06/07/12 | 17.990 | 1200 | 16.280 | 15.380 | 0730 | 96 |
| 06/08/12 | 19.800 | 1330 | 17.607 | 15.870 | 0815 | 96 |
| 06/09/12 | 20.820 | 1915 | 18.645 | 16.480 | 0815 | 96 |
| 06/10/12 | 21.860 | 1730 | 19.167 | 17.620 | 0745 | 96 |
| 06/11/12 | 20.420 | 1530 | 19.322 | 18.440 | 0345 | 96 |
| 06/12/12 | 21.180 | 1400 | 19.685 | 18.510 | 0445 | 96 |
| 06/13/12 | 20.280 | 1615 | 19.447 | 18.960 | 0915 | 96 |
| 06/14/12 | 22.350 | 1715 | 20.103 | 18.730 | 0715 | 96 |
| 06/15/12 | 20.990 | 1715 | 20.317 | 19.700 | 0730 | 96 |
| 06/16/12 | 21.070 | 1400 | 20.418 | 19.820 | 0515 | 96 |
| 06/17/12 | 21.640 | 1245 | 20.587 | 19.910 | 0630 | 96 |
| 06/18/12 | 20.540 | 1630 | 20.049 | 19.640 | 0615 | 96 |
| 06/19/12 | 21.260 | 2045 | 20.261 | 19.460 | 0530 | 96 |
| 06/20/12 | 27.480 | 1415 | 23.378 | 20.040 | 0400 | 96 |
| 06/21/12 | 33.680 | 2015 | 30.841 | 26.630 | 0015 | 96 |
| 06/22/12 | 34.750 | 1530 | 32.694 | 30.590 | 0630 | 96 |
| 06/23/12 | 31.550 | 0015 | 24.922 | 22.840 | 0730 | 96 |
| 06/24/12 | 25.470 | 1600 | 24.538 | 23.640 | 0700 | 96 |
| 06/25/12 | 24.510 | 0030 | 23.833 | 23.250 | 0000 | 96 |
| 06/26/12 | 23.240 | 0015 | 22.602 | 21.900 | 0000 | 96 |
| 06/27/12 | 22.340 | 1515 | 21.658 | 21.150 | 0745 | 96 |
| 06/28/12 | 23.630 | 1815 | 21.903 | 20.720 | 0800 | 96 |
| 06/29/12 | 27.820 | 1500 | 23.848 | 21.370 | 0845 | 96 |
| 06/30/12 | 30.710 | 1600 | 28.480 | 25.520 | 0015 | 96 |
| AVERAGE | 22.847 | | 21.210 | 19.894 | | |
| STD DEV.: | 4.797 | | 4.069 | 3.551 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2012

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 06/01/12 | 8.85 | 1215 | 8.60 | 8.38 | 0015 | 96 |
| 06/02/12 | 8.62 | 1230 | 8.47 | 8.34 | 2300 | 96 |
| 06/03/12 | 8.99 | 1700 | 8.60 | 8.25 | 1845 | 96 |
| 06/04/12 | 9.02 | 2100 | 8.73 | 8.31 | 0045 | 96 |
| 06/05/12 | 9.14 | 1715 | 8.94 | 8.72 | 0100 | 96 |
| 06/06/12 | 9.80 | 0530 | 9.57 | 9.10 | 0015 | 96 |
| 06/07/12 | 9.54 | 0015 | 9.31 | 9.01 | 2315 | 96 |
| 06/08/12 | 9.14 | 0015 | 8.87 | 8.61 | 1715 | 96 |
| 06/09/12 | 8.72 | 0815 | 8.55 | 8.35 | 2145 | 96 |
| 06/10/12 | 8.57 | 1145 | 8.37 | 8.19 | 0815 | 96 |
| 06/11/12 | 8.41 | 0645 | 8.22 | 7.95 | 1945 | 96 |
| 06/12/12 | 8.27 | 1315 | 8.06 | 7.72 | 2230 | 96 |
| 06/13/12 | 8.08 | 1330 | 7.89 | 7.68 | 0015 | 96 |
| 06/14/12 | 8.34 | 2100 | 8.07 | 7.71 | 1400 | 96 |
| 06/15/12 | 8.34 | 0345 | 8.20 | 7.95 | 2345 | 96 |
| 06/16/12 | 8.13 | 1215 | 7.97 | 7.75 | 2315 | 96 |
| 06/17/12 | 8.00 | 1330 | 7.81 | 7.55 | 2230 | 96 |
| 06/18/12 | 7.89 | 1500 | 7.67 | 7.46 | 2215 | 96 |
| 06/19/12 | 7.98 | 1530 | 7.73 | 7.37 | 0430 | 96 |
| 06/20/12 | 8.15 | 1130 | 7.77 | 7.32 | 0415 | 96 |
| 06/21/12 | 7.99 | 1030 | 7.71 | 7.35 | 0000 | 96 |
| 06/22/12 | 7.84 | 1315 | 7.44 | 7.00 | 2330 | 96 |
| 06/23/12 | 7.71 | 1530 | 7.15 | 6.63 | 0400 | 96 |
| 06/24/12 | 7.75 | 1315 | 6.98 | 6.32 | 0000 | 96 |
| 06/25/12 | 7.46 | 1545 | 6.65 | 6.09 | 0445 | 96 |
| 06/26/12 | 7.73 | 1545 | 7.12 | 6.34 | 0530 | 96 |
| 06/27/12 | 7.89 | 1200 | 7.08 | 6.37 | 0430 | 96 |
| 06/28/12 | 7.89 | 1245 | 7.16 | 6.34 | 0015 | 96 |
| 06/29/12 | 7.91 | 1430 | 7.30 | 6.80 | 2330 | 96 |
| 06/30/12 | 8.20 | 1315 | 7.38 | 6.63 | 0215 | 96 |
| AVERAGE | 8.345 | | 7.979 | 7.586 | | |
| STD DEV.: | 0.580 | | 0.726 | 0.861 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2012

STATION: N5

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 06/01/12 | 6.818 | 0015 | 6.714 | 6.639 | 1645 | 96 |
| 06/02/12 | 6.675 | 1200 | 6.646 | 6.617 | 2315 | 96 |
| 06/03/12 | 6.681 | 1015 | 6.637 | 6.594 | 0215 | 64 |
| 06/04/12 | 6.766 | 1815 | 6.745 | 6.719 | 0815 | 68 |
| 06/05/12 | 6.751 | 0015 | 6.672 | 6.634 | 1115 | 96 |
| 06/06/12 | 6.897 | 0700 | 6.683 | 6.642 | 0945 | 94 |
| 06/07/12 | 6.757 | 1215 | 6.715 | 6.599 | 1045 | 96 |
| 06/08/12 | 6.853 | 0715 | 6.725 | 6.651 | 1015 | 96 |
| 06/09/12 | 6.777 | 0715 | 6.746 | 6.729 | 1045 | 96 |
| 06/10/12 | 6.802 | 0730 | 6.743 | 6.664 | 1230 | 96 |
| 06/11/12 | 6.886 | 0645 | 6.743 | 6.697 | 0815 | 96 |
| 06/12/12 | 6.788 | 0445 | 6.764 | 6.744 | 2245 | 96 |
| 06/13/12 | 6.937 | 1200 | 6.759 | 6.741 | 1245 | 96 |
| 06/14/12 | 6.827 | 1330 | 6.794 | 6.761 | 0045 | 94 |
| 06/15/12 | 6.957 | 0715 | 6.804 | 6.762 | 1200 | 96 |
| 06/16/12 | 6.853 | 0715 | 6.829 | 6.792 | 1000 | 41 |
| 06/18/12 | 6.796 | 2100 | 6.766 | 6.743 | 1115 | 67 |
| 06/19/12 | 6.820 | 0830 | 6.786 | 6.758 | 2100 | 96 |
| 06/20/12 | 6.886 | 0945 | 6.740 | 6.687 | 1130 | 96 |
| 06/21/12 | 6.781 | 0715 | 6.735 | 6.693 | 2245 | 96 |
| 06/22/12 | 7.074 | 1200 | 6.722 | 6.651 | 0000 | 96 |
| 06/23/12 | 6.857 | 1500 | 6.758 | 6.649 | 0145 | 96 |
| 06/24/12 | 6.962 | 1700 | 6.813 | 6.707 | 0430 | 96 |
| 06/25/12 | 6.953 | 1330 | 6.821 | 6.728 | 0630 | 96 |
| 06/26/12 | 6.893 | 2200 | 6.795 | 6.680 | 0700 | 96 |
| 06/27/12 | 7.055 | 1200 | 6.877 | 6.787 | 0615 | 96 |
| 06/28/12 | 7.038 | 1445 | 6.902 | 6.749 | 0930 | 96 |
| 06/29/12 | 7.135 | 0930 | 6.935 | 6.862 | 0015 | 96 |
| 06/30/12 | 7.250 | 1630 | 7.012 | 6.841 | 0500 | 96 |
| AVERAGE | 6.880 | | 6.772 | 6.708 | | |
| STD DEV.: | 0.133 | | 0.083 | 0.068 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2012

STATION: N10

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 06/01/12 | 19.360 | 0015 | 18.218 | 17.920 | 0830 | 96 |
| 06/02/12 | 17.990 | 0015 | 17.146 | 16.450 | 0000 | 96 |
| 06/03/12 | 16.450 | 0015 | 16.231 | 15.710 | 0000 | 96 |
| 06/04/12 | 15.680 | 0015 | 14.853 | 14.070 | 0000 | 96 |
| 06/05/12 | 14.050 | 0015 | 13.756 | 13.250 | 0930 | 91 |
| 06/06/12 | 14.760 | 2230 | 14.175 | 13.690 | 0600 | 96 |
| 06/07/12 | 15.530 | 2130 | 14.929 | 11.960 | 1245 | 96 |
| 06/08/12 | 16.510 | 2115 | 15.911 | 15.320 | 0530 | 80 |
| 06/09/12 | 17.500 | 1730 | 16.920 | 16.220 | 0515 | 96 |
| 06/10/12 | 18.340 | 1715 | 17.709 | 16.960 | 0615 | 96 |
| 06/11/12 | 18.820 | 1645 | 18.251 | 17.700 | 0700 | 96 |
| 06/12/12 | 19.370 | 2315 | 18.804 | 18.200 | 0545 | 96 |
| 06/13/12 | 19.370 | 0015 | 18.887 | 18.670 | 2330 | 96 |
| 06/14/12 | 19.580 | 1900 | 19.002 | 18.500 | 0700 | 96 |
| 06/15/12 | 20.010 | 2100 | 19.498 | 18.970 | 0630 | 96 |
| 06/16/12 | 20.500 | 1600 | 20.034 | 19.500 | 0700 | 96 |
| 06/17/12 | 20.390 | 1615 | 19.980 | 19.480 | 0745 | 96 |
| 06/18/12 | 20.100 | 0015 | 19.624 | 19.210 | 0000 | 96 |
| 06/19/12 | 19.860 | 1600 | 19.452 | 19.080 | 0800 | 96 |
| 06/20/12 | 21.590 | 1615 | 20.690 | 19.680 | 0200 | 96 |
| 06/21/12 | 23.260 | 1545 | 22.503 | 21.550 | 0015 | 96 |
| 06/22/12 | 24.550 | 1515 | 23.718 | 22.940 | 0215 | 96 |
| 06/23/12 | 25.230 | 1500 | 24.264 | 23.570 | 0330 | 96 |
| 06/24/12 | 24.970 | 1615 | 24.141 | 23.300 | 0530 | 96 |
| 06/25/12 | 23.910 | 0015 | 23.538 | 22.910 | 0000 | 96 |
| 06/26/12 | 22.860 | 0015 | 22.145 | 21.300 | 0000 | 96 |
| 06/27/12 | 21.330 | 1415 | 21.056 | 20.630 | 0000 | 96 |
| 06/28/12 | 21.580 | 1700 | 20.984 | 20.320 | 0430 | 96 |
| 06/29/12 | 22.810 | 1645 | 21.892 | 21.100 | 0200 | 96 |
| 06/30/12 | 23.650 | 1700 | 22.839 | 21.950 | 0530 | 96 |
| AVERAGE | 19.997 | | 19.372 | 18.670 | | |
| STD DEV.: | 3.093 | | 3.020 | 3.102 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR June 2012

STATION: S4

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 06/01/12 | 19.390 | 0015 | 18.215 | 17.780 | 2330 | 96 |
| 06/02/12 | 17.770 | 0015 | 17.007 | 16.180 | 0000 | 96 |
| 06/03/12 | 16.220 | 1130 | 16.014 | 15.600 | 0000 | 96 |
| 06/04/12 | 15.590 | 0015 | 14.764 | 14.000 | 0000 | 96 |
| 06/05/12 | 13.970 | 0015 | 13.623 | 13.500 | 1030 | 96 |
| 06/06/12 | 14.550 | 2300 | 13.996 | 13.540 | 0545 | 96 |
| 06/07/12 | 15.320 | 2300 | 14.800 | 14.250 | 0630 | 96 |
| 06/08/12 | 16.290 | 2315 | 15.772 | 15.160 | 0530 | 96 |
| 06/09/12 | 17.350 | 1615 | 16.770 | 16.020 | 0545 | 96 |
| 06/10/12 | 18.220 | 1630 | 17.573 | 16.840 | 0600 | 96 |
| 06/11/12 | 18.680 | 1715 | 18.102 | 17.600 | 0730 | 96 |
| 06/12/12 | 19.500 | 1300 | 18.646 | 18.070 | 0530 | 96 |
| 06/13/12 | 19.090 | 0030 | 18.754 | 18.440 | 0000 | 96 |
| 06/14/12 | 19.300 | 1915 | 18.836 | 18.330 | 0700 | 96 |
| 06/15/12 | 19.710 | 1530 | 19.300 | 18.770 | 0600 | 80 |
| 06/16/12 | 20.410 | 1530 | 19.861 | 19.320 | 0600 | 96 |
| 06/17/12 | 20.280 | 1615 | 19.801 | 19.390 | 0800 | 96 |
| 06/18/12 | 19.690 | 0015 | 19.435 | 18.990 | 0000 | 96 |
| 06/19/12 | 19.890 | 1645 | 19.322 | 18.780 | 0500 | 96 |
| 06/20/12 | 22.040 | 1745 | 20.799 | 19.390 | 0445 | 96 |
| 06/21/12 | 25.710 | 1630 | 23.536 | 21.620 | 0045 | 96 |
| 06/22/12 | 28.350 | 1815 | 25.507 | 23.960 | 0930 | 96 |
| 06/23/12 | 25.700 | 0015 | 24.263 | 23.190 | 0745 | 96 |
| 06/24/12 | 25.170 | 1530 | 24.112 | 23.120 | 0645 | 96 |
| 06/25/12 | 23.890 | 0015 | 23.265 | 22.850 | 0000 | 96 |
| 06/26/12 | 22.810 | 0015 | 22.017 | 21.180 | 0000 | 96 |
| 06/27/12 | 21.430 | 1430 | 20.904 | 20.450 | 0000 | 96 |
| 06/28/12 | 21.610 | 1515 | 20.889 | 20.000 | 0545 | 96 |
| 06/29/12 | 23.290 | 1500 | 21.893 | 20.790 | 0545 | 96 |
| 06/30/12 | 24.420 | 1630 | 23.139 | 22.080 | 0530 | 96 |
| AVERAGE | 20.188 | | 19.364 | 18.640 | | |
| STD DEV.: | 3.608 | | 3.212 | 2.985 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2012

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 07/01/12 | 6.60 | 0015 | 6.38 | 6.11 | 1945 | 96 |
| 07/02/12 | 6.47 | 1315 | 6.23 | 6.02 | 0000 | 96 |
| 07/03/12 | 6.46 | 2200 | 6.10 | 5.84 | 0600 | 96 |
| 07/04/12 | 6.34 | 2330 | 6.02 | 5.70 | 0730 | 96 |
| 07/05/12 | 6.35 | 2330 | 6.04 | 5.71 | 0715 | 96 |
| 07/06/12 | 6.38 | 0030 | 5.80 | 5.53 | 0000 | 96 |
| 07/07/12 | 6.04 | 1815 | 5.58 | 5.29 | 1245 | 96 |
| 07/08/12 | 6.25 | 0800 | 5.67 | 5.23 | 1915 | 96 |
| 07/09/12 | 6.03 | 1030 | 5.61 | 5.22 | 1730 | 96 |
| 07/10/12 | 5.96 | 0030 | 5.48 | 5.26 | 0645 | 96 |
| 07/11/12 | 6.20 | 0345 | 5.82 | 5.53 | 1000 | 96 |
| 07/12/12 | 6.36 | 1830 | 5.90 | 5.36 | 1145 | 96 |
| 07/13/12 | 6.00 | 0315 | 5.59 | 5.18 | 1915 | 96 |
| 07/14/12 | 5.50 | 2245 | 5.40 | 5.04 | 0000 | 96 |
| 07/15/12 | 5.54 | 0015 | 5.20 | 4.86 | 1945 | 96 |
| 07/16/12 | 5.60 | 0915 | 5.08 | 4.80 | 0000 | 96 |
| 07/17/12 | 5.41 | 2045 | 5.29 | 5.15 | 0400 | 96 |
| 07/18/12 | 5.37 | 0330 | 5.00 | 4.82 | 1145 | 96 |
| 07/19/12 | 5.90 | 0545 | 5.34 | 5.01 | 0845 | 96 |
| 07/20/12 | 5.47 | 1345 | 5.32 | 5.15 | 2000 | 96 |
| 07/21/12 | 5.50 | 1000 | 5.30 | 5.08 | 1945 | 96 |
| 07/22/12 | 5.44 | 0845 | 5.24 | 5.02 | 1930 | 96 |
| 07/23/12 | 5.57 | 0845 | 5.01 | 4.58 | 1930 | 96 |
| 07/24/12 | 5.04 | 0800 | 4.89 | 4.77 | 1945 | 96 |
| 07/25/12 | 5.54 | 1030 | 4.94 | 4.81 | 2130 | 96 |
| 07/26/12 | 4.94 | 0830 | 4.84 | 4.69 | 2000 | 96 |
| 07/27/12 | 4.96 | 1130 | 4.86 | 4.72 | 0045 | 96 |
| 07/28/12 | 5.09 | 1015 | 4.93 | 4.79 | 1700 | 96 |
| 07/29/12 | 5.07 | 1200 | 4.94 | 4.86 | 0145 | 96 |
| 07/30/12 | 5.60 | 1015 | 5.10 | 4.82 | 1900 | 96 |
| 07/31/12 | 5.28 | 1215 | 5.10 | 4.96 | 2045 | 96 |
| AVERAGE | 5.750 | | 5.419 | 5.158 | | |
| STD DEV.: | 0.503 | | 0.444 | 0.402 | | |

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

STATION: Zero

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 07/01/12 | 7.306 | 0330 | 7.155 | 7.014 | 1230 | 96 |
| 07/02/12 | 7.332 | 0315 | 7.018 | 6.846 | 2315 | 96 |
| 07/03/12 | 7.430 | 2345 | 7.051 | 6.850 | 0530 | 96 |
| 07/04/12 | 7.375 | 0015 | 7.131 | 6.874 | 0845 | 96 |
| 07/05/12 | 7.443 | 0145 | 7.155 | 6.921 | 1000 | 96 |
| 07/06/12 | 7.279 | 0200 | 6.963 | 6.827 | 2315 | 96 |
| 07/07/12 | 6.904 | 0045 | 6.822 | 6.755 | 1415 | 96 |
| 07/08/12 | 7.396 | 1315 | 7.229 | 6.768 | 0045 | 96 |
| 07/09/12 | 7.230 | 0000 | 6.937 | 6.791 | 0845 | 96 |
| 07/10/12 | 7.343 | 0115 | 7.032 | 6.921 | 0815 | 96 |
| 07/11/12 | 7.474 | 1715 | 7.172 | 6.960 | 1215 | 96 |
| 07/12/12 | 7.350 | 0630 | 7.142 | 6.930 | 1130 | 96 |
| 07/13/12 | 7.596 | 0930 | 7.387 | 7.234 | 0015 | 96 |
| 07/14/12 | 7.546 | 1515 | 7.385 | 7.300 | 0345 | 96 |
| 07/15/12 | 7.516 | 1230 | 7.387 | 7.285 | 0445 | 96 |
| 07/16/12 | 7.519 | 1345 | 7.426 | 7.340 | 0915 | 96 |
| 07/17/12 | 7.615 | 1445 | 7.440 | 7.311 | 0515 | 96 |
| 07/18/12 | 7.591 | 1400 | 7.456 | 7.339 | 0515 | 96 |
| 07/19/12 | 7.677 | 1345 | 7.487 | 7.359 | 0530 | 96 |
| 07/20/12 | 7.732 | 1415 | 7.520 | 7.400 | 0545 | 96 |
| 07/21/12 | 7.726 | 1500 | 7.516 | 7.392 | 2100 | 96 |
| 07/22/12 | 7.704 | 1315 | 7.514 | 7.390 | 2215 | 96 |
| 07/23/12 | 7.731 | 1300 | 7.532 | 7.392 | 0015 | 96 |
| 07/24/12 | 7.698 | 1230 | 7.532 | 7.412 | 0030 | 96 |
| 07/25/12 | 7.799 | 1230 | 7.565 | 7.414 | 2245 | 96 |
| 07/26/12 | 7.646 | 1430 | 7.512 | 7.409 | 0100 | 96 |
| 07/27/12 | 7.616 | 1630 | 7.505 | 7.413 | 0000 | 96 |
| 07/28/12 | 7.597 | 1345 | 7.449 | 7.376 | 0545 | 96 |
| 07/29/12 | 7.563 | 1400 | 7.440 | 7.369 | 0730 | 96 |
| 07/30/12 | 7.620 | 1330 | 7.484 | 7.391 | 0345 | 96 |
| 07/31/12 | 7.694 | 1415 | 7.530 | 7.434 | 0030 | 96 |
| AVERAGE | 7.518 | | 7.318 | 7.175 | | |
| STD DEV.: | 0.192 | | 0.220 | 0.253 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2012

STATION: Zero

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 07/01/12 | 33.380 | 1715 | 30.613 | 27.660 | 0015 | 96 |
| 07/02/12 | 33.040 | 1615 | 31.897 | 28.550 | 0030 | 96 |
| 07/03/12 | 33.130 | 1300 | 31.475 | 28.260 | 2200 | 96 |
| 07/04/12 | 32.790 | 1030 | 31.163 | 28.470 | 0000 | 96 |
| 07/05/12 | 33.090 | 1200 | 31.184 | 28.470 | 0015 | 96 |
| 07/06/12 | 35.950 | 1845 | 33.868 | 28.640 | 0115 | 96 |
| 07/07/12 | 35.210 | 0015 | 34.275 | 33.880 | 2345 | 96 |
| 07/08/12 | 33.860 | 0015 | 29.609 | 27.700 | 2145 | 96 |
| 07/09/12 | 34.680 | 1530 | 33.154 | 28.220 | 0000 | 96 |
| 07/10/12 | 34.430 | 1630 | 32.539 | 27.910 | 0045 | 96 |
| 07/11/12 | 33.810 | 1100 | 30.273 | 26.710 | 0400 | 96 |
| 07/12/12 | 35.570 | 1315 | 31.266 | 27.990 | 0445 | 96 |
| 07/13/12 | 35.080 | 1900 | 32.544 | 29.030 | 0230 | 96 |
| 07/14/12 | 36.060 | 1930 | 34.191 | 33.260 | 0800 | 96 |
| 07/15/12 | 36.680 | 2145 | 34.914 | 33.400 | 0645 | 96 |
| 07/16/12 | 37.040 | 1815 | 35.661 | 34.010 | 0700 | 96 |
| 07/17/12 | 37.410 | 1845 | 35.702 | 33.930 | 0700 | 96 |
| 07/18/12 | 37.450 | 2045 | 36.016 | 34.410 | 0615 | 96 |
| 07/19/12 | 36.180 | 0015 | 33.504 | 32.910 | 0715 | 96 |
| 07/20/12 | 32.930 | 0015 | 32.461 | 32.020 | 0645 | 96 |
| 07/21/12 | 33.320 | 1700 | 32.346 | 31.460 | 0630 | 96 |
| 07/22/12 | 33.880 | 2330 | 32.608 | 31.500 | 0630 | 96 |
| 07/23/12 | 36.510 | 1815 | 34.362 | 32.490 | 0815 | 96 |
| 07/24/12 | 36.020 | 1500 | 34.772 | 33.780 | 0745 | 96 |
| 07/25/12 | 34.560 | 1645 | 34.277 | 33.750 | 1200 | 96 |
| 07/26/12 | 35.210 | 1945 | 34.545 | 33.920 | 0700 | 96 |
| 07/27/12 | 34.950 | 0015 | 33.841 | 32.150 | 0000 | 96 |
| 07/28/12 | 32.660 | 1500 | 31.968 | 31.510 | 0815 | 96 |
| 07/29/12 | 31.560 | 0015 | 31.169 | 30.840 | 0000 | 96 |
| 07/30/12 | 33.890 | 1915 | 31.652 | 30.040 | 0715 | 96 |
| 07/31/12 | 32.310 | 1515 | 31.811 | 31.240 | 0600 | 96 |
| AVERAGE | 34.601 | | 32.892 | 30.907 | | |
| STD DEV.: | 1.602 | | 1.707 | 2.480 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2012

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 07/01/12 | 8.26 | 1630 | 7.31 | 6.44 | 0615 | 96 |
| 07/02/12 | 8.06 | 1700 | 7.21 | 6.27 | 0330 | 96 |
| 07/03/12 | 7.97 | 1500 | 7.13 | 6.29 | 0645 | 96 |
| 07/04/12 | 7.79 | 1830 | 6.92 | 6.14 | 0730 | 96 |
| 07/05/12 | 7.72 | 1715 | 6.97 | 6.07 | 0515 | 94 |
| 07/06/12 | 7.42 | 1700 | 6.61 | 5.90 | 2345 | 96 |
| 07/07/12 | 6.86 | 1545 | 6.08 | 5.53 | 0000 | 96 |
| 07/08/12 | 7.31 | 1615 | 6.33 | 5.22 | 0515 | 96 |
| 07/09/12 | 7.46 | 1515 | 6.52 | 5.66 | 0445 | 96 |
| 07/10/12 | 7.35 | 1645 | 6.36 | 5.60 | 2230 | 96 |
| 07/11/12 | 7.64 | 1430 | 6.67 | 5.68 | 0115 | 96 |
| 07/12/12 | 7.53 | 1700 | 6.74 | 5.87 | 0715 | 96 |
| 07/13/12 | 8.13 | 1715 | 7.03 | 5.83 | 0715 | 96 |
| 07/14/12 | 7.67 | 1530 | 6.85 | 5.88 | 0845 | 96 |
| 07/15/12 | 7.71 | 1630 | 6.68 | 5.77 | 0730 | 96 |
| 07/16/12 | 7.39 | 1715 | 6.47 | 5.55 | 0630 | 96 |
| 07/17/12 | 7.02 | 1900 | 6.08 | 5.27 | 0945 | 96 |
| 07/18/12 | 6.76 | 1430 | 5.95 | 5.24 | 0430 | 96 |
| 07/19/12 | 7.12 | 1730 | 6.04 | 5.02 | 0830 | 96 |
| 07/20/12 | 6.80 | 1730 | 5.89 | 5.13 | 0500 | 96 |
| 07/21/12 | 7.00 | 1715 | 6.15 | 5.08 | 0830 | 96 |
| 07/22/12 | 7.21 | 1715 | 6.14 | 5.26 | 0530 | 96 |
| 07/23/12 | 7.22 | 1745 | 6.33 | 5.41 | 0615 | 96 |
| 07/24/12 | 7.05 | 1815 | 6.23 | 5.33 | 0245 | 96 |
| 07/25/12 | 7.29 | 1745 | 6.36 | 5.37 | 0430 | 96 |
| 07/26/12 | 6.22 | 1415 | 5.80 | 5.34 | 0700 | 96 |
| 07/27/12 | 5.75 | 1845 | 5.42 | 5.08 | 1145 | 96 |
| 07/28/12 | 5.97 | 1645 | 5.38 | 4.86 | 0530 | 96 |
| 07/29/12 | 6.01 | 1900 | 5.58 | 5.21 | 0330 | 96 |
| 07/30/12 | 6.64 | 1700 | 5.93 | 4.98 | 0445 | 96 |
| 07/31/12 | 6.86 | 1830 | 6.38 | 5.95 | 0445 | 96 |
| AVERAGE | 7.199 | | 6.372 | 5.554 | | |
| STD DEV.: | 0.631 | | 0.509 | 0.426 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2012

STATION: N5

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 07/01/12 | 7.288 | 1730 | 7.030 | 6.868 | 0730 | 96 |
| 07/02/12 | 7.250 | 1900 | 7.002 | 6.828 | 0715 | 96 |
| 07/03/12 | 7.235 | 1715 | 7.020 | 6.877 | 0830 | 96 |
| 07/04/12 | 7.078 | 1700 | 6.952 | 6.869 | 0645 | 69 |
| 07/05/12 | 7.001 | 1915 | 6.896 | 6.756 | 0730 | 68 |
| 07/06/12 | 7.134 | 1645 | 6.941 | 6.806 | 0615 | 87 |
| 07/09/12 | 6.990 | 1900 | 6.879 | 6.760 | 0915 | 68 |
| 07/10/12 | 7.047 | 1745 | 6.939 | 6.843 | 0700 | 96 |
| 07/11/12 | 7.230 | 0800 | 6.966 | 6.836 | 0000 | 92 |
| 07/12/12 | 7.621 | 1730 | 7.028 | 6.774 | 0315 | 96 |
| 07/13/12 | 7.357 | 1430 | 7.039 | 6.767 | 0615 | 96 |
| 07/14/12 | 7.327 | 1745 | 7.029 | 6.793 | 0715 | 96 |
| 07/15/12 | 7.336 | 1630 | 6.983 | 6.766 | 0700 | 96 |
| 07/16/12 | 7.376 | 1700 | 6.922 | 6.693 | 0645 | 96 |
| 07/17/12 | 7.170 | 1645 | 6.869 | 6.697 | 0645 | 87 |
| 07/18/12 | 7.630 | 1845 | 6.962 | 6.640 | 0815 | 96 |
| 07/19/12 | 7.137 | 1830 | 6.896 | 6.685 | 0415 | 96 |
| 07/20/12 | 7.145 | 1500 | 6.939 | 6.763 | 0730 | 96 |
| 07/21/12 | 7.365 | 1930 | 6.991 | 6.810 | 0615 | 96 |
| 07/22/12 | 7.246 | 0045 | 7.001 | 6.907 | 0030 | 4 |
| 07/23/12 | 7.668 | 1815 | 7.202 | 6.733 | 0745 | 67 |
| 07/24/12 | 7.115 | 0230 | 6.961 | 6.742 | 0930 | 96 |
| 07/25/12 | 7.206 | 1930 | 7.029 | 6.798 | 0630 | 96 |
| 07/26/12 | 7.607 | 1515 | 6.885 | 6.790 | 1015 | 62 |
| 07/27/12 | 6.834 | 1645 | 6.760 | 6.667 | 0915 | 68 |
| 07/28/12 | 6.774 | 1030 | 6.723 | 6.648 | 0615 | 96 |
| 07/29/12 | 6.815 | 1345 | 6.742 | 6.677 | 0215 | 96 |
| 07/30/12 | 7.095 | 0745 | 6.788 | 6.704 | 0815 | 67 |
| 07/31/12 | 6.990 | 1900 | 6.908 | 6.732 | 0830 | 69 |
| AVERAGE | 7.209 | | 6.941 | 6.767 | | |
| STD DEV.: | 0.234 | | 0.102 | 0.072 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2012

STATION: N10

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|----------|--------------------|------|------------------|--------------------|------|-------------|
| 07/01/12 | 24.490 | 1630 | 23.450 | 22.440 | 0530 | 96 |
| 07/02/12 | 24.820 | 1730 | 23.943 | 23.120 | 0715 | 96 |
| 07/03/12 | 24.610 | 1600 | 23.901 | 23.080 | 0645 | 96 |
| 07/04/12 | 25.040 | 1730 | 24.066 | 23.300 | 0715 | 81 |
| 07/05/12 | 25.160 | 1600 | 24.636 | 24.100 | 0615 | 96 |
| 07/06/12 | 25.960 | 1615 | 25.093 | 24.150 | 0615 | 96 |
| 07/07/12 | 25.410 | 1600 | 24.972 | 24.500 | 0645 | 96 |
| 07/08/12 | 25.250 | 1430 | 24.598 | 23.920 | 0600 | 96 |
| 07/09/12 | 26.470 | 0900 | 24.375 | 23.580 | 0615 | 96 |
| 07/10/12 | 25.200 | 1615 | 24.337 | 23.540 | 0615 | 96 |
| 07/11/12 | 25.800 | 1600 | 24.670 | 23.810 | 0600 | 96 |
| 07/12/12 | 26.520 | 1730 | 25.168 | 23.900 | 0515 | 96 |
| 07/13/12 | 27.240 | 1545 | 25.817 | 24.630 | 0630 | 96 |
| 07/14/12 | 27.390 | 1745 | 26.351 | 25.590 | 0630 | 96 |
| 07/15/12 | 27.610 | 1415 | 26.699 | 25.770 | 0615 | 96 |
| 07/16/12 | 27.940 | 1645 | 27.055 | 26.270 | 0545 | 96 |
| 07/17/12 | 27.680 | 1715 | 27.063 | 26.540 | 0530 | 96 |
| 07/18/12 | 28.010 | 1700 | 27.204 | 26.470 | 0600 | 96 |
| 07/19/12 | 27.160 | 1700 | 26.604 | 25.930 | 0645 | 96 |
| 07/20/12 | 26.380 | 1730 | 25.850 | 25.370 | 0645 | 96 |
| 07/21/12 | 26.420 | 1615 | 25.492 | 24.690 | 0645 | 96 |
| 07/22/12 | 25.980 | 1730 | 25.193 | 24.240 | 0645 | 96 |
| 07/23/12 | 26.900 | 1630 | 25.682 | 24.720 | 0645 | 96 |
| 07/24/12 | 26.700 | 1700 | 26.008 | 25.420 | 0615 | 96 |
| 07/25/12 | 26.010 | 1645 | 25.355 | 24.650 | 0700 | 96 |
| 07/26/12 | 25.360 | 0015 | 25.151 | 24.780 | 0000 | 96 |
| 07/27/12 | 24.770 | 0015 | 24.359 | 24.040 | 0000 | 96 |
| 07/28/12 | 24.210 | 1400 | 23.901 | 23.580 | 0000 | 96 |
| 07/29/12 | 23.720 | 1445 | 23.426 | 23.170 | 0815 | 96 |
| 07/30/12 | 24.680 | 1645 | 23.784 | 22.970 | 0515 | 96 |
| 07/31/12 | 24.740 | 1545 | 24.186 | 23.490 | 0645 | 96 |

| | | | |
|-----------|--------|--------|--------|
| AVERAGE | 25.924 | 25.109 | 24.379 |
| STD DEV.: | 1.189 | 1.105 | 1.102 |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2012

STATION: S4

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 07/01/12 | 25.080 | 1615 | 23.758 | 22.740 | 0600 | 96 |
| 07/02/12 | 25.060 | 2015 | 24.185 | 23.360 | 0530 | 96 |
| 07/03/12 | 25.240 | 1445 | 24.264 | 23.400 | 0630 | 96 |
| 07/04/12 | 25.810 | 1630 | 24.595 | 23.660 | 0800 | 96 |
| 07/05/12 | 25.600 | 1715 | 24.648 | 24.150 | 0645 | 96 |
| 07/06/12 | 26.590 | 1500 | 25.123 | 24.170 | 0515 | 96 |
| 07/07/12 | 25.860 | 0000 | 24.987 | 24.530 | 0930 | 96 |
| 07/08/12 | 26.330 | 1530 | 24.869 | 23.650 | 0000 | 96 |
| 07/09/12 | 25.730 | 0915 | 24.502 | 23.220 | 0430 | 96 |
| 07/10/12 | 25.770 | 1730 | 24.557 | 23.310 | 0645 | 96 |
| 07/11/12 | 26.760 | 1230 | 25.105 | 23.310 | 0600 | 96 |
| 07/12/12 | 28.140 | 2300 | 25.315 | 23.540 | 0615 | 96 |
| 07/13/12 | 31.440 | 0000 | 28.635 | 26.550 | 1245 | 96 |
| 07/14/12 | 31.320 | 0000 | 30.032 | 28.290 | 2000 | 96 |
| 07/15/12 | 31.200 | 2145 | 30.255 | 28.950 | 1915 | 96 |
| 07/16/12 | 33.130 | 2315 | 31.200 | 29.150 | 0115 | 96 |
| 07/17/12 | 33.520 | 2015 | 31.553 | 29.600 | 0900 | 96 |
| 07/18/12 | 31.990 | 2115 | 30.773 | 28.650 | 1945 | 96 |
| 07/19/12 | 31.870 | 0030 | 30.201 | 29.120 | 1845 | 96 |
| 07/20/12 | 29.910 | 1930 | 29.163 | 28.250 | 2115 | 96 |
| 07/21/12 | 30.000 | 1500 | 28.927 | 28.210 | 0645 | 96 |
| 07/22/12 | 30.460 | 1845 | 29.183 | 27.790 | 0845 | 96 |
| 07/23/12 | 32.230 | 1930 | 30.038 | 28.230 | 0515 | 96 |
| 07/24/12 | 31.890 | 1430 | 30.291 | 28.750 | 0000 | 96 |
| 07/25/12 | 30.290 | 1830 | 29.152 | 27.710 | 2000 | 96 |
| 07/26/12 | 30.640 | 2230 | 29.530 | 26.700 | 1500 | 96 |
| 07/27/12 | 30.850 | 0030 | 29.799 | 28.640 | 0945 | 96 |
| 07/28/12 | 29.720 | 1315 | 28.646 | 27.730 | 0700 | 96 |
| 07/29/12 | 28.260 | 0015 | 27.736 | 27.200 | 0730 | 96 |
| 07/30/12 | 29.010 | 1930 | 27.472 | 25.330 | 0730 | 96 |
| 07/31/12 | 29.110 | 1530 | 27.972 | 27.010 | 0600 | 96 |
| AVERAGE | 28.994 | | 27.628 | 26.287 | | |
| STD DEV.: | 2.701 | | 2.566 | 2.351 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2012

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 08/01/12 | 5.18 | 0915 | 4.93 | 4.77 | 1745 | 96 |
| 08/02/12 | 5.05 | 0800 | 4.77 | 4.45 | 2200 | 96 |
| 08/03/12 | 5.40 | 0715 | 4.75 | 4.53 | 0015 | 96 |
| 08/04/12 | 5.13 | 1100 | 4.79 | 4.05 | 1200 | 96 |
| 08/05/12 | 5.14 | 1130 | 4.87 | 4.52 | 0000 | 91 |
| 08/06/12 | 5.38 | 0745 | 4.86 | 4.56 | 0015 | 96 |
| 08/07/12 | 5.17 | 1115 | 4.97 | 4.69 | 1945 | 96 |
| 08/08/12 | 5.35 | 0700 | 4.88 | 4.57 | 2145 | 96 |
| 08/09/12 | 7.92 | 1230 | 6.36 | 4.61 | 0015 | 96 |
| 08/10/12 | 9.12 | 1200 | 8.30 | 7.10 | 0045 | 96 |
| 08/11/12 | 8.17 | 1730 | 7.57 | 6.76 | 0800 | 96 |
| 08/12/12 | 7.71 | 1645 | 6.86 | 6.05 | 2130 | 96 |
| 08/13/12 | 9.40 | 1715 | 7.53 | 5.89 | 0500 | 96 |
| 08/14/12 | 9.15 | 1615 | 8.30 | 7.56 | 0815 | 96 |
| 08/15/12 | 8.99 | 1945 | 8.06 | 7.38 | 0730 | 96 |
| 08/16/12 | 9.34 | 2315 | 8.57 | 7.71 | 0515 | 96 |
| 08/17/12 | 8.77 | 1545 | 8.15 | 7.53 | 0800 | 96 |
| 08/18/12 | 9.31 | 1730 | 8.27 | 7.19 | 0730 | 96 |
| 08/19/12 | 9.10 | 1900 | 7.86 | 7.03 | 0800 | 96 |
| 08/20/12 | 8.72 | 1430 | 7.26 | 6.57 | 0730 | 96 |
| 08/21/12 | 7.86 | 1045 | 7.44 | 6.69 | 2245 | 96 |
| 08/22/12 | 7.19 | 1100 | 6.85 | 6.56 | 2215 | 96 |
| 08/23/12 | 6.93 | 1130 | 6.73 | 6.43 | 1915 | 96 |
| 08/24/12 | 8.94 | 1700 | 8.18 | 6.72 | 0015 | 96 |
| 08/25/12 | 8.05 | 1715 | 6.83 | 5.93 | 2200 | 96 |
| 08/26/12 | 8.34 | 1815 | 6.86 | 5.67 | 0700 | 96 |
| 08/27/12 | 8.77 | 1730 | 7.67 | 6.49 | 0700 | 74 |
| 08/28/12 | 8.99 | 1615 | 7.91 | 6.20 | 0915 | 96 |
| 08/29/12 | 8.86 | 1345 | 7.66 | 7.24 | 0000 | 57 |
| 08/30/12 | 8.25 | 1930 | 7.37 | 6.53 | 1000 | 91 |
| 08/31/12 | 7.74 | 1715 | 7.03 | 6.14 | 1215 | 96 |
| AVERAGE | 7.659 | | 6.853 | 6.068 | | |
| STD DEV.: | 1.580 | | 1.312 | 1.119 | | |

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

STATION: Zero

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 08/01/12 | 7.722 | 1415 | 7.552 | 7.448 | 0000 | 96 |
| 08/02/12 | 7.796 | 1400 | 7.581 | 7.437 | 0100 | 96 |
| 08/03/12 | 7.963 | 1300 | 7.639 | 7.429 | 0430 | 96 |
| 08/04/12 | 8.070 | 1330 | 7.630 | 7.446 | 0600 | 96 |
| 08/05/12 | 8.060 | 1415 | 7.655 | 7.471 | 0445 | 91 |
| 08/06/12 | 8.000 | 1445 | 7.700 | 7.506 | 0015 | 96 |
| 08/07/12 | 8.110 | 1345 | 7.702 | 7.455 | 0600 | 96 |
| 08/08/12 | 8.200 | 1430 | 7.719 | 7.488 | 0000 | 96 |
| 08/09/12 | 8.020 | 1145 | 7.624 | 7.394 | 2330 | 96 |
| 08/10/12 | 7.776 | 1215 | 7.452 | 7.186 | 0000 | 96 |
| 08/11/12 | 7.187 | 1630 | 7.039 | 6.920 | 0730 | 96 |
| 08/12/12 | 6.956 | 0015 | 6.865 | 6.735 | 2230 | 96 |
| 08/13/12 | 7.874 | 1730 | 7.062 | 6.692 | 0445 | 95 |
| 08/14/12 | 7.207 | 1430 | 6.950 | 6.757 | 0730 | 96 |
| 08/15/12 | 7.051 | 2045 | 6.829 | 6.667 | 0615 | 96 |
| 08/16/12 | 7.774 | 1730 | 7.069 | 6.729 | 0615 | 96 |
| 08/17/12 | 7.078 | 1545 | 6.881 | 6.719 | 0915 | 96 |
| 08/18/12 | 8.210 | 1630 | 7.086 | 6.678 | 0930 | 96 |
| 08/19/12 | 6.981 | 1900 | 6.811 | 6.684 | 0000 | 96 |
| 08/20/12 | 7.535 | 1430 | 7.005 | 6.516 | 0345 | 92 |
| 08/21/12 | 7.808 | 0945 | 7.160 | 6.676 | 0000 | 96 |
| 08/22/12 | 6.888 | 1400 | 6.768 | 6.678 | 0015 | 96 |
| 08/23/12 | 6.945 | 1430 | 6.808 | 6.728 | 0330 | 96 |
| 08/24/12 | 6.979 | 1215 | 6.757 | 6.514 | 2215 | 95 |
| 08/25/12 | 6.978 | 1630 | 6.607 | 6.464 | 2145 | 87 |
| 08/26/12 | 7.267 | 1700 | 6.790 | 6.507 | 1315 | 44 |
| 08/27/12 | 6.900 | 1115 | 6.636 | 6.458 | 0115 | 47 |
| 08/28/12 | 7.566 | 1645 | 7.075 | 6.459 | 0145 | 72 |
| 08/29/12 | 7.308 | 1800 | 7.027 | 6.504 | 0700 | 74 |
| 08/30/12 | 7.425 | 2000 | 7.020 | 6.623 | 0915 | 96 |
| 08/31/12 | 7.463 | 1715 | 7.114 | 6.755 | 1230 | 96 |
| AVERAGE | 7.519 | | 7.149 | 6.894 | | |
| STD DEV.: | 0.450 | | 0.362 | 0.390 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2012

STATION: Zero

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|----------|--------------------|------|------------------|--------------------|------|-------------|
| 08/01/12 | 35.420 | 1430 | 33.426 | 31.780 | 0545 | 96 |
| 08/02/12 | 36.600 | 1900 | 34.664 | 32.250 | 0645 | 96 |
| 08/03/12 | 36.870 | 2030 | 35.253 | 33.450 | 0715 | 96 |
| 08/04/12 | 36.910 | 0015 | 34.477 | 32.420 | 0845 | 96 |
| 08/05/12 | 35.310 | 2300 | 33.789 | 32.750 | 0715 | 91 |
| 08/06/12 | 35.140 | 0015 | 33.506 | 32.240 | 0000 | 96 |
| 08/07/12 | 33.450 | 2000 | 31.989 | 30.890 | 0800 | 96 |
| 08/08/12 | 34.690 | 2130 | 32.772 | 31.140 | 0700 | 96 |
| 08/09/12 | 35.210 | 1545 | 33.617 | 31.680 | 0745 | 96 |
| 08/10/12 | 34.590 | 0045 | 27.423 | 25.020 | 2145 | 96 |
| 08/11/12 | 25.700 | 1145 | 25.149 | 24.870 | 0000 | 96 |
| 08/12/12 | 24.850 | 0015 | 24.373 | 24.040 | 0000 | 96 |
| 08/13/12 | 25.710 | 1630 | 24.326 | 23.760 | 0730 | 96 |
| 08/14/12 | 25.070 | 1530 | 24.324 | 23.330 | 0730 | 96 |
| 08/15/12 | 25.190 | 2115 | 24.298 | 23.410 | 0730 | 96 |
| 08/16/12 | 25.630 | 1915 | 24.607 | 23.750 | 0515 | 96 |
| 08/17/12 | 25.480 | 1330 | 24.476 | 23.600 | 0800 | 96 |
| 08/18/12 | 25.700 | 1530 | 24.571 | 24.030 | 0730 | 96 |
| 08/19/12 | 24.530 | 1915 | 23.913 | 23.290 | 0730 | 96 |
| 08/20/12 | 30.270 | 2145 | 25.784 | 23.160 | 0800 | 96 |
| 08/21/12 | 32.080 | 0000 | 27.826 | 25.760 | 0815 | 96 |
| 08/22/12 | 33.340 | 2200 | 32.350 | 31.110 | 0715 | 96 |
| 08/23/12 | 33.450 | 1900 | 32.460 | 31.410 | 0000 | 96 |
| 08/24/12 | 31.270 | 0015 | 24.996 | 22.350 | 0830 | 96 |
| 08/25/12 | 25.120 | 1415 | 24.189 | 23.620 | 0730 | 96 |
| 08/26/12 | 25.560 | 1415 | 24.250 | 23.280 | 0800 | 96 |
| 08/27/12 | 25.380 | 1430 | 24.455 | 23.370 | 1415 | 74 |
| 08/28/12 | 26.330 | 1845 | 25.015 | 24.080 | 0815 | 96 |
| 08/29/12 | 27.250 | 1345 | 24.748 | 23.990 | 0000 | 80 |
| 08/30/12 | 25.460 | 1545 | 24.217 | 23.300 | 0645 | 96 |
| 08/31/12 | 24.980 | 1345 | 23.917 | 23.120 | 0630 | 96 |

| | | | |
|-----------|--------|--------|--------|
| AVERAGE | 29.759 | 27.908 | 26.653 |
| STD DEV.: | 4.699 | 4.326 | 4.042 |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2012

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 08/01/12 | 7.05 | 1730 | 6.28 | 5.55 | 0445 | 96 |
| 08/02/12 | 6.93 | 1615 | 6.25 | 5.31 | 0630 | 95 |
| 08/03/12 | 7.56 | 1630 | 6.32 | 5.30 | 0815 | 96 |
| 08/04/12 | 7.39 | 1415 | 6.26 | 5.27 | 0530 | 96 |
| 08/05/12 | 6.93 | 1500 | 6.06 | 5.46 | 0300 | 96 |
| 08/06/12 | 7.47 | 1800 | 6.27 | 4.88 | 0430 | 96 |
| 08/07/12 | 7.38 | 1730 | 6.13 | 4.80 | 0445 | 96 |
| 08/08/12 | 7.72 | 1815 | 6.36 | 5.03 | 0615 | 96 |
| 08/09/12 | 7.44 | 1745 | 6.43 | 5.59 | 2245 | 96 |
| 08/10/12 | 6.61 | 1330 | 5.78 | 5.27 | 0600 | 96 |
| 08/11/12 | 5.99 | 1215 | 5.67 | 5.33 | 0545 | 96 |
| 08/12/12 | 6.03 | 1215 | 5.76 | 5.23 | 2045 | 96 |
| 08/13/12 | 6.26 | 0900 | 5.40 | 5.12 | 1100 | 96 |
| 08/14/12 | 5.47 | 1800 | 5.22 | 4.97 | 2115 | 96 |
| 08/15/12 | 5.48 | 1200 | 5.03 | 4.64 | 2345 | 96 |
| 08/16/12 | 5.43 | 1515 | 4.90 | 4.28 | 0000 | 96 |
| 08/17/12 | 5.40 | 1600 | 4.86 | 4.29 | 0800 | 96 |
| 08/18/12 | 5.32 | 1800 | 4.78 | 4.28 | 0530 | 96 |
| 08/19/12 | 5.42 | 1530 | 4.97 | 4.35 | 0500 | 96 |
| 08/20/12 | 5.69 | 2300 | 5.22 | 4.59 | 0615 | 96 |
| 08/21/12 | 5.99 | 1615 | 5.64 | 5.40 | 0545 | 96 |
| 08/22/12 | 6.05 | 1345 | 5.72 | 5.42 | 0430 | 96 |
| 08/23/12 | 6.14 | 1400 | 5.79 | 5.38 | 0830 | 96 |
| 08/24/12 | 6.46 | 1630 | 5.91 | 5.39 | 0830 | 96 |
| 08/25/12 | 6.29 | 1730 | 5.47 | 4.66 | 0045 | 96 |
| 08/26/12 | 6.10 | 1615 | 5.46 | 4.49 | 0745 | 96 |
| 08/27/12 | 6.14 | 1945 | 5.52 | 4.57 | 0500 | 96 |
| 08/28/12 | 6.10 | 1615 | 5.44 | 4.52 | 0715 | 96 |
| 08/29/12 | 6.18 | 1415 | 5.57 | 4.88 | 0430 | 96 |
| 08/30/12 | 5.82 | 1630 | 5.32 | 4.97 | 0700 | 96 |
| 08/31/12 | 5.86 | 0700 | 5.36 | 4.80 | 0015 | 96 |
| AVERAGE | 6.325 | | 5.651 | 4.969 | | |
| STD DEV.: | 0.730 | | 0.488 | 0.414 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2012

STATION: N5

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 08/01/12 | 7.369 | 1830 | 6.986 | 6.728 | 1115 | 96 |
| 08/02/12 | 7.377 | 0900 | 6.997 | 6.811 | 0000 | 95 |
| 08/03/12 | 7.409 | 1745 | 7.006 | 6.705 | 0730 | 96 |
| 08/04/12 | 7.481 | 1600 | 7.115 | 6.921 | 0545 | 96 |
| 08/05/12 | 7.425 | 1430 | 7.119 | 6.860 | 0530 | 96 |
| 08/06/12 | 7.336 | 1945 | 7.081 | 6.917 | 0745 | 96 |
| 08/07/12 | 7.533 | 1730 | 7.167 | 6.951 | 0545 | 96 |
| 08/08/12 | 7.704 | 2115 | 7.230 | 6.983 | 0815 | 96 |
| 08/09/12 | 7.493 | 1345 | 7.233 | 6.991 | 0600 | 96 |
| 08/10/12 | 7.330 | 0015 | 7.086 | 6.938 | 0700 | 96 |
| 08/11/12 | 7.140 | 0000 | 7.013 | 6.976 | 0500 | 56 |
| 08/13/12 | 6.906 | 1100 | 6.852 | 6.813 | 0900 | 61 |
| 08/14/12 | 6.850 | 0745 | 6.814 | 6.762 | 1830 | 96 |
| 08/15/12 | 6.933 | 1200 | 6.798 | 6.765 | 0245 | 96 |
| 08/16/12 | 6.894 | 1800 | 6.843 | 6.789 | 1145 | 96 |
| 08/17/12 | 7.065 | 0700 | 6.859 | 6.830 | 0845 | 96 |
| 08/18/12 | 6.922 | 1745 | 6.871 | 6.815 | 1015 | 96 |
| 08/19/12 | 6.940 | 1715 | 6.888 | 6.823 | 0715 | 96 |
| 08/20/12 | 7.175 | 1000 | 6.934 | 6.879 | 0645 | 96 |
| 08/21/12 | 6.959 | 1015 | 6.878 | 6.792 | 2345 | 96 |
| 08/22/12 | 7.113 | 1815 | 6.902 | 6.790 | 0015 | 96 |
| 08/23/12 | 7.102 | 1745 | 6.930 | 6.830 | 0515 | 96 |
| 08/24/12 | 7.248 | 0715 | 6.967 | 6.825 | 0745 | 96 |
| 08/25/12 | 7.182 | 1915 | 7.013 | 6.890 | 0745 | 96 |
| 08/26/12 | 7.187 | 2115 | 7.055 | 6.951 | 1045 | 96 |
| 08/27/12 | 7.273 | 1615 | 7.076 | 6.935 | 1215 | 96 |
| 08/28/12 | 7.319 | 1945 | 7.088 | 6.880 | 1000 | 96 |
| 08/29/12 | 7.210 | 0700 | 7.092 | 6.954 | 0745 | 96 |
| 08/30/12 | 7.083 | 0030 | 7.021 | 6.876 | 1245 | 96 |
| 08/31/12 | 7.145 | 0700 | 6.953 | 6.886 | 1200 | 96 |
| AVERAGE | 7.203 | | 6.996 | 6.862 | | |
| STD DEV.: | 0.218 | | 0.119 | 0.078 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2012

STATION: N10

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|----------|--------------------|------|------------------|--------------------|------|-------------|
| 08/01/12 | 25.210 | 1645 | 24.716 | 24.350 | 0715 | 96 |
| 08/02/12 | 26.710 | 1545 | 25.555 | 24.590 | 0430 | 96 |
| 08/03/12 | 27.180 | 1745 | 26.175 | 25.210 | 0545 | 96 |
| 08/04/12 | 27.580 | 1400 | 26.685 | 25.940 | 0545 | 96 |
| 08/05/12 | 27.440 | 1430 | 26.539 | 25.930 | 0745 | 96 |
| 08/06/12 | 26.850 | 1645 | 26.504 | 26.170 | 0545 | 96 |
| 08/07/12 | 26.890 | 1730 | 26.159 | 25.450 | 0830 | 96 |
| 08/08/12 | 26.750 | 1715 | 26.064 | 25.430 | 0630 | 96 |
| 08/09/12 | 27.110 | 1530 | 26.116 | 25.240 | 0700 | 96 |
| 08/10/12 | 26.290 | 0015 | 25.849 | 25.380 | 0000 | 96 |
| 08/11/12 | 25.340 | 0015 | 24.964 | 24.520 | 0000 | 96 |
| 08/12/12 | 24.620 | 1615 | 24.288 | 24.000 | 0730 | 96 |
| 08/13/12 | 24.120 | 0015 | 23.713 | 23.370 | 2330 | 96 |
| 08/14/12 | 23.660 | 1415 | 23.327 | 23.020 | 0000 | 96 |
| 08/15/12 | 24.100 | 1545 | 23.480 | 22.940 | 0715 | 96 |
| 08/16/12 | 24.680 | 1600 | 23.988 | 23.350 | 0630 | 96 |
| 08/17/12 | 25.030 | 1715 | 24.180 | 23.360 | 0645 | 96 |
| 08/18/12 | 24.880 | 1700 | 24.232 | 23.640 | 0830 | 96 |
| 08/19/12 | 24.370 | 1800 | 23.846 | 23.190 | 0700 | 96 |
| 08/20/12 | 23.970 | 1700 | 23.494 | 22.870 | 0700 | 96 |
| 08/21/12 | 24.170 | 1615 | 23.565 | 23.150 | 0700 | 96 |
| 08/22/12 | 24.570 | 1715 | 23.724 | 23.090 | 0530 | 96 |
| 08/23/12 | 24.550 | 1545 | 23.895 | 23.230 | 0615 | 96 |
| 08/24/12 | 25.190 | 1630 | 24.125 | 23.180 | 0615 | 96 |
| 08/25/12 | 25.080 | 1600 | 24.387 | 23.780 | 0645 | 96 |
| 08/26/12 | 25.550 | 1700 | 24.553 | 23.590 | 0700 | 96 |
| 08/27/12 | 25.930 | 1615 | 24.832 | 24.010 | 0630 | 96 |
| 08/28/12 | 25.440 | 1745 | 24.821 | 24.300 | 0800 | 96 |
| 08/29/12 | 24.700 | 1445 | 24.189 | 23.630 | 0715 | 96 |
| 08/30/12 | 24.120 | 1615 | 23.564 | 23.020 | 0745 | 96 |
| 08/31/12 | 23.830 | 1715 | 23.282 | 22.710 | 0615 | 96 |

| | | | | | |
|-----------|--------|--|--------|--|--------|
| AVERAGE | 25.352 | | 24.671 | | 24.053 |
| STD DEV.: | 1.192 | | 1.087 | | 1.051 |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR August 2012

STATION: S4

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM | | DAILY AVERAGE | MINIMUM | | #of INT. |
|-----------|---------|------|------------------|---------|------|-------------|
| | (PARAM) | TIME | | (PARAM) | TIME | |
| 08/01/12 | 31.800 | 1515 | 29.196 | 26.910 | 0345 | 96 |
| 08/02/12 | 32.650 | 2015 | 28.970 | 25.980 | 0445 | 96 |
| 08/03/12 | 31.180 | 1630 | 29.793 | 26.900 | 0115 | 96 |
| 08/04/12 | 31.730 | 0515 | 30.034 | 27.780 | 0915 | 96 |
| 08/05/12 | 31.790 | 1700 | 29.913 | 27.870 | 0200 | 96 |
| 08/06/12 | 31.750 | 0245 | 29.712 | 28.160 | 2045 | 96 |
| 08/07/12 | 30.420 | 1545 | 29.212 | 27.650 | 0515 | 96 |
| 08/08/12 | 29.170 | 1400 | 28.123 | 27.010 | 1530 | 96 |
| 08/09/12 | 31.140 | 1645 | 28.960 | 27.220 | 0530 | 96 |
| 08/10/12 | 31.060 | 0300 | 27.373 | 24.880 | 0000 | 96 |
| 08/11/12 | 24.990 | 1200 | 24.549 | 24.010 | 0000 | 96 |
| 08/12/12 | 24.070 | 1445 | 23.774 | 23.470 | 0815 | 96 |
| 08/13/12 | 23.710 | 1500 | 23.339 | 22.800 | 0000 | 96 |
| 08/14/12 | 23.530 | 1400 | 22.945 | 22.530 | 0545 | 96 |
| 08/15/12 | 24.150 | 1500 | 23.087 | 22.270 | 0715 | 96 |
| 08/16/12 | 24.180 | 1630 | 23.470 | 22.720 | 0800 | 96 |
| 08/17/12 | 24.440 | 1530 | 23.685 | 22.850 | 0700 | 96 |
| 08/18/12 | 24.220 | 1515 | 23.787 | 23.320 | 0845 | 96 |
| 08/19/12 | 23.870 | 1445 | 23.365 | 22.750 | 0730 | 96 |
| 08/20/12 | 24.880 | 0000 | 23.482 | 22.660 | 0730 | 96 |
| 08/21/12 | 27.140 | 0000 | 24.953 | 23.700 | 1000 | 96 |
| 08/22/12 | 28.880 | 1130 | 27.502 | 25.660 | 1430 | 96 |
| 08/23/12 | 29.240 | 0215 | 28.191 | 26.160 | 1845 | 96 |
| 08/24/12 | 28.780 | 0030 | 25.437 | 23.690 | 1045 | 96 |
| 08/25/12 | 24.870 | 1630 | 24.031 | 23.420 | 0715 | 96 |
| 08/26/12 | 25.380 | 1615 | 24.218 | 23.270 | 0730 | 96 |
| 08/27/12 | 25.560 | 1415 | 24.496 | 23.710 | 0700 | 96 |
| 08/28/12 | 25.300 | 1400 | 24.463 | 24.090 | 2330 | 96 |
| 08/29/12 | 24.360 | 1515 | 23.806 | 23.250 | 0845 | 96 |
| 08/30/12 | 24.060 | 1500 | 23.264 | 22.660 | 0630 | 96 |
| 08/31/12 | 23.770 | 1630 | 22.972 | 22.140 | 0700 | 96 |
| AVERAGE | 27.164 | | 25.810 | 24.564 | | |
| STD DEV.: | 3.264 | | 2.625 | 1.992 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2012

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 09/01/12 | 8.16 | 1715 | 6.96 | 6.20 | 0515 | 96 |
| 09/02/12 | 8.19 | 1630 | 7.12 | 6.23 | 0800 | 96 |
| 09/03/12 | 7.71 | 1615 | 6.95 | 6.25 | 0645 | 96 |
| 09/04/12 | 7.04 | 0015 | 6.50 | 6.06 | 1045 | 96 |
| 09/05/12 | 7.21 | 2315 | 6.45 | 5.98 | 0730 | 96 |
| 09/06/12 | 7.06 | 1715 | 6.40 | 5.62 | 0930 | 96 |
| 09/07/12 | 8.37 | 2100 | 7.03 | 5.99 | 0615 | 96 |
| 09/08/12 | 8.22 | 0030 | 7.50 | 6.48 | 0000 | 96 |
| 09/09/12 | 7.28 | 1345 | 6.56 | 6.00 | 0900 | 96 |
| 09/10/12 | 7.40 | 1600 | 6.73 | 6.24 | 1015 | 96 |
| 09/11/12 | 7.99 | 1615 | 7.12 | 6.32 | 0815 | 96 |
| 09/12/12 | 9.72 | 1045 | 7.92 | 6.65 | 1015 | 96 |
| 09/13/12 | 9.45 | 1615 | 8.52 | 7.46 | 0730 | 95 |
| 09/14/12 | 8.98 | 2300 | 8.49 | 7.81 | 0845 | 96 |
| 09/15/12 | 8.72 | 1715 | 8.42 | 7.98 | 0530 | 96 |
| 09/16/12 | 8.88 | 1200 | 8.31 | 7.71 | 0915 | 96 |
| 09/17/12 | 8.74 | 0345 | 8.34 | 7.57 | 0800 | 96 |
| 09/18/12 | 8.48 | 0845 | 7.86 | 7.61 | 1200 | 96 |
| 09/19/12 | 9.51 | 1645 | 8.59 | 7.66 | 0700 | 96 |
| 09/20/12 | 9.07 | 1045 | 8.71 | 8.19 | 1345 | 96 |
| 09/21/12 | 8.97 | 1730 | 8.44 | 8.01 | 1045 | 96 |
| 09/22/12 | 9.79 | 1930 | 8.96 | 8.41 | 0515 | 96 |
| 09/23/12 | 9.49 | 1600 | 9.07 | 8.71 | 2315 | 96 |
| 09/24/12 | 9.06 | 1900 | 8.71 | 8.40 | 1500 | 96 |
| 09/25/12 | 8.73 | 0030 | 8.46 | 8.11 | 1115 | 96 |
| 09/26/12 | 9.64 | 1500 | 8.80 | 8.12 | 0900 | 96 |
| 09/27/12 | 9.31 | 1615 | 8.94 | 8.63 | 0315 | 96 |
| 09/28/12 | 8.82 | 0015 | 8.64 | 8.47 | 1015 | 96 |
| 09/29/12 | 8.59 | 0000 | 8.39 | 8.26 | 1815 | 96 |
| 09/30/12 | 8.69 | 2115 | 8.42 | 8.20 | 0245 | 96 |
| AVERAGE | 8.576 | | 7.910 | 7.311 | | |
| STD DEV.: | 0.812 | | 0.883 | 1.005 | | |

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

STATION: Zero

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 09/01/12 | 7.460 | 1815 | 7.196 | 7.022 | 0630 | 96 |
| 09/02/12 | 7.335 | 1845 | 7.105 | 6.944 | 0645 | 96 |
| 09/03/12 | 7.336 | 1945 | 7.044 | 6.803 | 1115 | 96 |
| 09/04/12 | 7.093 | 0745 | 6.965 | 6.870 | 1145 | 96 |
| 09/05/12 | 6.984 | 1945 | 6.787 | 6.651 | 0930 | 96 |
| 09/06/12 | 6.900 | 1715 | 6.773 | 6.633 | 0445 | 96 |
| 09/07/12 | 7.025 | 1730 | 6.811 | 6.706 | 0845 | 96 |
| 09/08/12 | 6.995 | 1830 | 6.882 | 6.776 | 0430 | 96 |
| 09/09/12 | 7.034 | 1430 | 6.826 | 6.740 | 1015 | 96 |
| 09/10/12 | 7.090 | 1600 | 6.871 | 6.773 | 1030 | 96 |
| 09/11/12 | 7.181 | 1615 | 6.917 | 6.757 | 0915 | 96 |
| 09/12/12 | 7.009 | 0045 | 6.934 | 6.726 | 1300 | 96 |
| 09/13/12 | 7.327 | 1830 | 6.972 | 6.604 | 0730 | 95 |
| 09/14/12 | 7.150 | 2300 | 6.947 | 6.799 | 0815 | 96 |
| 09/15/12 | 7.106 | 1015 | 6.975 | 6.799 | 0515 | 96 |
| 09/16/12 | 7.093 | 0330 | 6.982 | 6.853 | 0915 | 96 |
| 09/17/12 | 7.307 | 1200 | 7.094 | 6.887 | 1530 | 96 |
| 09/18/12 | 7.187 | 0845 | 6.950 | 6.791 | 1200 | 96 |
| 09/19/12 | 7.285 | 1715 | 7.072 | 6.903 | 0930 | 96 |
| 09/20/12 | 7.189 | 0615 | 7.007 | 6.819 | 1645 | 96 |
| 09/21/12 | 6.930 | 1600 | 6.849 | 6.800 | 0930 | 96 |
| 09/22/12 | 6.957 | 1745 | 6.861 | 6.802 | 0730 | 96 |
| 09/23/12 | 6.916 | 1815 | 6.849 | 6.776 | 2345 | 96 |
| 09/24/12 | 6.870 | 0745 | 6.781 | 6.715 | 1500 | 96 |
| 09/25/12 | 6.787 | 0345 | 6.738 | 6.691 | 1130 | 96 |
| 09/26/12 | 6.862 | 1500 | 6.766 | 6.686 | 0915 | 96 |
| 09/27/12 | 6.972 | 0745 | 6.809 | 6.696 | 0400 | 96 |
| 09/28/12 | 6.847 | 1730 | 6.814 | 6.784 | 1030 | 96 |
| 09/29/12 | 6.824 | 0745 | 6.781 | 6.745 | 1730 | 96 |
| 09/30/12 | 6.810 | 1930 | 6.764 | 6.720 | 1745 | 96 |
| AVERAGE | 7.062 | | 6.904 | 6.776 | | |
| STD DEV.: | 0.182 | | 0.119 | 0.091 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2012

STATION: Zero

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 09/01/12 | 25.020 | 1615 | 23.804 | 23.110 | 0800 | 96 |
| 09/02/12 | 23.890 | 1630 | 23.231 | 22.740 | 0900 | 96 |
| 09/03/12 | 24.430 | 1600 | 23.321 | 22.420 | 0630 | 96 |
| 09/04/12 | 23.100 | 0015 | 22.610 | 22.280 | 1930 | 96 |
| 09/05/12 | 23.650 | 1415 | 22.904 | 22.340 | 0345 | 96 |
| 09/06/12 | 23.500 | 1545 | 22.939 | 22.390 | 0845 | 96 |
| 09/07/12 | 24.290 | 1345 | 23.274 | 22.610 | 0645 | 96 |
| 09/08/12 | 24.280 | 1445 | 23.672 | 23.210 | 0315 | 96 |
| 09/09/12 | 23.640 | 1500 | 23.139 | 22.830 | 0830 | 96 |
| 09/10/12 | 22.790 | 0015 | 22.098 | 21.220 | 0000 | 96 |
| 09/11/12 | 21.500 | 1245 | 20.948 | 20.310 | 0815 | 96 |
| 09/12/12 | 30.010 | 1300 | 20.699 | 19.870 | 0830 | 96 |
| 09/13/12 | 22.250 | 1615 | 20.839 | 19.860 | 0730 | 95 |
| 09/14/12 | 22.380 | 1545 | 21.306 | 20.630 | 0515 | 96 |
| 09/15/12 | 21.850 | 1400 | 21.245 | 20.750 | 0000 | 96 |
| 09/16/12 | 21.030 | 1445 | 20.380 | 19.880 | 0830 | 96 |
| 09/17/12 | 21.120 | 1415 | 19.849 | 19.070 | 0730 | 96 |
| 09/18/12 | 19.870 | 0015 | 19.555 | 19.290 | 0700 | 96 |
| 09/19/12 | 19.990 | 1300 | 19.290 | 18.430 | 0000 | 96 |
| 09/20/12 | 19.740 | 1415 | 18.679 | 18.060 | 0745 | 96 |
| 09/21/12 | 18.810 | 1545 | 18.137 | 17.640 | 0000 | 96 |
| 09/22/12 | 19.260 | 1500 | 17.885 | 16.960 | 0515 | 96 |
| 09/23/12 | 19.330 | 1415 | 18.433 | 17.660 | 0745 | 96 |
| 09/24/12 | 18.810 | 1800 | 17.728 | 16.890 | 0830 | 96 |
| 09/25/12 | 18.230 | 1430 | 17.172 | 16.310 | 0830 | 96 |
| 09/26/12 | 18.000 | 1400 | 17.073 | 16.610 | 0730 | 96 |
| 09/27/12 | 18.080 | 1500 | 17.366 | 16.870 | 0730 | 96 |
| 09/28/12 | 16.940 | 0015 | 16.215 | 15.700 | 2045 | 96 |
| 09/29/12 | 15.930 | 0015 | 15.521 | 14.980 | 0000 | 96 |
| 09/30/12 | 15.800 | 1815 | 15.168 | 14.830 | 0915 | 96 |
| AVERAGE | 21.251 | | 20.149 | 19.525 | | |
| STD DEV.: | 3.125 | | 2.642 | 2.647 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2012

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 09/01/12 | 6.18 | 1645 | 5.52 | 4.77 | 0030 | 96 |
| 09/02/12 | 6.06 | 1630 | 5.52 | 4.85 | 0615 | 96 |
| 09/03/12 | 5.98 | 2100 | 5.57 | 4.86 | 0845 | 96 |
| 09/04/12 | 5.78 | 2130 | 5.40 | 4.79 | 1030 | 96 |
| 09/05/12 | 5.97 | 1245 | 5.43 | 4.68 | 0630 | 96 |
| 09/06/12 | 5.35 | 1630 | 4.92 | 4.33 | 0915 | 96 |
| 09/07/12 | 8.65 | 1415 | 6.47 | 4.64 | 0515 | 94 |
| 09/08/12 | 9.26 | 1530 | 8.20 | 6.51 | 0215 | 96 |
| 09/09/12 | 9.09 | 1545 | 7.60 | 6.40 | 0030 | 96 |
| 09/10/12 | 9.10 | 1545 | 8.20 | 6.79 | 0300 | 96 |
| 09/11/12 | 9.11 | 1445 | 8.13 | 7.19 | 0530 | 96 |
| 09/12/12 | 8.84 | 0815 | 7.66 | 6.92 | 2345 | 85 |
| 09/13/12 | 8.22 | 1315 | 7.20 | 6.12 | 2345 | 96 |
| 09/14/12 | 8.37 | 1515 | 7.31 | 6.01 | 0100 | 96 |
| 09/15/12 | 8.63 | 1600 | 7.57 | 5.55 | 0500 | 96 |
| 09/16/12 | 8.70 | 1545 | 7.55 | 6.09 | 0745 | 96 |
| 09/17/12 | 8.03 | 2045 | 7.12 | 5.81 | 1200 | 96 |
| 09/18/12 | 8.69 | 2000 | 7.79 | 6.19 | 0245 | 96 |
| 09/19/12 | 8.84 | 1415 | 8.09 | 6.99 | 0500 | 96 |
| 09/20/12 | 8.49 | 1545 | 8.08 | 7.57 | 0030 | 96 |
| 09/21/12 | 8.51 | 1445 | 8.01 | 7.33 | 2300 | 96 |
| 09/22/12 | 8.48 | 1500 | 7.77 | 6.85 | 2030 | 96 |
| 09/23/12 | 8.28 | 1445 | 7.57 | 6.49 | 2145 | 96 |
| 09/24/12 | 8.25 | 1400 | 7.34 | 6.55 | 0045 | 96 |
| 09/25/12 | 8.44 | 1315 | 7.62 | 6.69 | 0615 | 96 |
| 09/26/12 | 8.27 | 1045 | 7.48 | 6.91 | 1245 | 96 |
| 09/27/12 | 8.51 | 1530 | 7.67 | 6.76 | 0300 | 96 |
| 09/28/12 | 8.14 | 1815 | 7.42 | 6.43 | 0700 | 96 |
| 09/29/12 | 8.33 | 1300 | 7.73 | 6.95 | 0245 | 96 |
| 09/30/12 | 8.35 | 1615 | 7.77 | 7.14 | 0430 | 96 |
| AVERAGE | 8.030 | | 7.190 | 6.171 | | |
| STD DEV.: | 1.136 | | 0.984 | 0.938 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2012

STATION: N5

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 09/01/12 | 7.147 | 1915 | 6.975 | 6.850 | 0930 | 96 |
| 09/02/12 | 7.083 | 2030 | 6.987 | 6.846 | 0930 | 96 |
| 09/03/12 | 7.074 | 0015 | 6.975 | 6.866 | 1230 | 96 |
| 09/04/12 | 7.058 | 0030 | 6.949 | 6.822 | 0700 | 56 |
| 09/05/12 | 7.144 | 0630 | 6.827 | 6.792 | 0915 | 71 |
| 09/06/12 | 6.840 | 2330 | 6.778 | 6.736 | 0800 | 96 |
| 09/07/12 | 6.856 | 1100 | 6.829 | 6.757 | 0730 | 96 |
| 09/08/12 | 6.830 | 0015 | 6.830 | 6.830 | 0015 | 1 |
| 09/10/12 | 6.945 | 1945 | 6.879 | 6.750 | 0700 | 69 |
| 09/11/12 | 7.070 | 1700 | 6.955 | 6.853 | 0900 | 96 |
| 09/12/12 | 7.323 | 0945 | 6.996 | 6.917 | 0745 | 96 |
| 09/13/12 | 7.071 | 2100 | 7.011 | 6.936 | 0145 | 96 |
| 09/14/12 | 7.130 | 0800 | 7.006 | 6.902 | 0745 | 91 |
| 09/15/12 | 7.174 | 2045 | 7.001 | 6.857 | 0815 | 96 |
| 09/16/12 | 7.220 | 2030 | 7.042 | 6.926 | 1130 | 96 |
| 09/17/12 | 7.136 | 0015 | 7.057 | 6.988 | 0915 | 96 |
| 09/18/12 | 7.083 | 0030 | 6.975 | 6.900 | 1330 | 96 |
| 09/19/12 | 7.028 | 1515 | 6.952 | 6.876 | 1100 | 80 |
| 09/20/12 | 6.877 | 2330 | 6.832 | 6.806 | 1345 | 55 |
| 09/21/12 | 7.021 | 0700 | 6.777 | 6.684 | 2245 | 96 |
| 09/22/12 | 6.697 | 1015 | 6.666 | 6.630 | 2245 | 96 |
| 09/23/12 | 6.716 | 1900 | 6.656 | 6.590 | 0900 | 96 |
| 09/24/12 | 6.905 | 0645 | 6.710 | 6.663 | 1030 | 96 |
| 09/25/12 | 6.787 | 2045 | 6.738 | 6.701 | 1000 | 96 |
| 09/26/12 | 6.784 | 1845 | 6.749 | 6.699 | 1000 | 96 |
| 09/27/12 | 7.105 | 0730 | 6.759 | 6.667 | 1130 | 96 |
| 09/28/12 | 6.828 | 2115 | 6.789 | 6.753 | 0945 | 96 |
| 09/29/12 | 6.826 | 0230 | 6.794 | 6.761 | 0730 | 96 |
| 09/30/12 | 6.854 | 1645 | 6.821 | 6.794 | 0815 | 96 |
| AVERAGE | 6.987 | | 6.873 | 6.798 | | |
| STD DEV.: | 0.163 | | 0.119 | 0.100 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2012

STATION: N10

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 09/01/12 | 23.920 | 1530 | 23.216 | 22.590 | 0615 | 96 |
| 09/02/12 | 23.160 | 1630 | 22.763 | 22.360 | 1000 | 96 |
| 09/03/12 | 23.680 | 1630 | 22.916 | 22.200 | 0745 | 96 |
| 09/04/12 | 23.020 | 0015 | 22.394 | 22.180 | 0000 | 96 |
| 09/05/12 | 22.580 | 1630 | 22.284 | 22.040 | 0345 | 96 |
| 09/06/12 | 22.640 | 1715 | 22.220 | 21.760 | 0800 | 96 |
| 09/07/12 | 23.340 | 1630 | 22.729 | 22.140 | 0630 | 96 |
| 09/08/12 | 23.680 | 1800 | 23.316 | 23.010 | 0100 | 96 |
| 09/09/12 | 23.270 | 0015 | 22.942 | 22.500 | 0000 | 96 |
| 09/10/12 | 22.440 | 0015 | 21.731 | 20.760 | 0000 | 96 |
| 09/11/12 | 20.880 | 1600 | 20.327 | 19.700 | 0700 | 96 |
| 09/12/12 | 20.540 | 1600 | 20.055 | 19.530 | 0730 | 96 |
| 09/13/12 | 21.580 | 1600 | 20.509 | 19.760 | 0500 | 96 |
| 09/14/12 | 21.880 | 1630 | 20.946 | 20.020 | 0615 | 96 |
| 09/15/12 | 21.460 | 1445 | 20.979 | 20.550 | 0000 | 96 |
| 09/16/12 | 20.580 | 1730 | 20.269 | 19.900 | 0715 | 96 |
| 09/17/12 | 20.510 | 1545 | 19.783 | 19.100 | 0715 | 96 |
| 09/18/12 | 19.750 | 0015 | 19.124 | 18.950 | 0845 | 96 |
| 09/19/12 | 19.150 | 1415 | 18.841 | 18.550 | 0900 | 96 |
| 09/20/12 | 18.680 | 0145 | 18.111 | 17.760 | 1030 | 96 |
| 09/21/12 | 17.870 | 0015 | 16.776 | 16.170 | 0000 | 96 |
| 09/22/12 | 17.130 | 1545 | 16.609 | 16.080 | 0245 | 96 |
| 09/23/12 | 17.740 | 1500 | 17.242 | 16.840 | 0500 | 96 |
| 09/24/12 | 17.460 | 1500 | 16.930 | 16.530 | 0000 | 96 |
| 09/25/12 | 16.890 | 1600 | 16.345 | 15.800 | 0730 | 96 |
| 09/26/12 | 16.720 | 1800 | 16.208 | 15.660 | 0730 | 96 |
| 09/27/12 | 16.950 | 1515 | 16.568 | 16.270 | 0630 | 96 |
| 09/28/12 | 16.320 | 0015 | 15.654 | 15.400 | 0000 | 96 |
| 09/29/12 | 15.380 | 0015 | 14.840 | 14.540 | 0000 | 96 |
| 09/30/12 | 14.900 | 1545 | 14.649 | 14.440 | 0500 | 96 |
| AVERAGE | 20.137 | | 19.576 | 19.103 | | |
| STD DEV.: | 2.815 | | 2.802 | 2.751 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR September 2012

STATION: S4

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 09/01/12 | 23.660 | 1530 | 22.928 | 22.440 | 0800 | 96 |
| 09/02/12 | 22.750 | 1600 | 22.384 | 22.060 | 1015 | 96 |
| 09/03/12 | 23.260 | 1445 | 22.466 | 21.860 | 0345 | 96 |
| 09/04/12 | 22.360 | 0015 | 21.960 | 21.560 | 2130 | 96 |
| 09/05/12 | 22.430 | 1415 | 21.891 | 21.460 | 0600 | 96 |
| 09/06/12 | 22.250 | 1615 | 21.804 | 21.550 | 0645 | 96 |
| 09/07/12 | 23.760 | 1500 | 22.392 | 21.640 | 0700 | 96 |
| 09/08/12 | 23.240 | 1500 | 22.771 | 22.320 | 0645 | 96 |
| 09/09/12 | 22.920 | 1600 | 22.485 | 21.950 | 2330 | 96 |
| 09/10/12 | 21.990 | 0100 | 21.245 | 20.140 | 0000 | 96 |
| 09/11/12 | 20.700 | 1615 | 19.912 | 19.310 | 0715 | 96 |
| 09/12/12 | 20.560 | 1445 | 19.736 | 19.150 | 0700 | 96 |
| 09/13/12 | 21.710 | 1615 | 20.157 | 19.050 | 0730 | 96 |
| 09/14/12 | 21.740 | 1515 | 20.622 | 19.820 | 0715 | 96 |
| 09/15/12 | 21.000 | 1300 | 20.571 | 20.080 | 0000 | 96 |
| 09/16/12 | 20.130 | 1600 | 19.773 | 19.400 | 0730 | 96 |
| 09/17/12 | 20.490 | 1530 | 19.478 | 18.810 | 0815 | 96 |
| 09/18/12 | 19.320 | 0030 | 18.893 | 18.620 | 2030 | 96 |
| 09/19/12 | 18.850 | 1145 | 18.451 | 17.950 | 0000 | 96 |
| 09/20/12 | 17.930 | 0015 | 17.574 | 17.350 | 1745 | 96 |
| 09/21/12 | 17.370 | 0015 | 16.487 | 15.740 | 0000 | 96 |
| 09/22/12 | 17.040 | 1415 | 16.160 | 15.410 | 0600 | 96 |
| 09/23/12 | 17.400 | 1500 | 16.746 | 16.270 | 0645 | 96 |
| 09/24/12 | 17.090 | 1400 | 16.485 | 16.020 | 0745 | 96 |
| 09/25/12 | 16.570 | 1500 | 15.950 | 15.350 | 0645 | 96 |
| 09/26/12 | 16.120 | 2130 | 15.823 | 15.380 | 0830 | 96 |
| 09/27/12 | 16.770 | 1500 | 16.164 | 15.810 | 0700 | 96 |
| 09/28/12 | 15.840 | 0015 | 15.119 | 14.800 | 1930 | 96 |
| 09/29/12 | 14.860 | 0015 | 14.412 | 14.050 | 0000 | 96 |
| 09/30/12 | 14.300 | 1615 | 14.068 | 13.870 | 0730 | 96 |
| AVERAGE | 19.814 | | 19.164 | 18.641 | | |
| STD DEV.: | 2.893 | | 2.820 | 2.777 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2012

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 10/01/12 | 8.86 | 1345 | 8.63 | 8.47 | 0515 | 96 |
| 10/02/12 | 9.05 | 1900 | 8.56 | 8.14 | 1200 | 96 |
| 10/03/12 | 8.90 | 1815 | 8.49 | 8.09 | 0515 | 96 |
| 10/04/12 | 8.80 | 1430 | 8.38 | 8.09 | 2315 | 96 |
| 10/05/12 | 8.92 | 2215 | 8.44 | 7.92 | 0845 | 96 |
| 10/06/12 | 9.09 | 1730 | 8.69 | 8.37 | 0000 | 96 |
| 10/07/12 | 8.43 | 1715 | 8.25 | 8.12 | 0745 | 96 |
| 10/08/12 | 8.55 | 2245 | 8.31 | 8.10 | 1115 | 96 |
| 10/09/12 | 9.41 | 0830 | 8.69 | 8.20 | 0000 | 96 |
| 10/10/12 | 8.63 | 1500 | 8.36 | 8.19 | 0030 | 96 |
| 10/11/12 | 9.19 | 1330 | 8.72 | 8.31 | 0045 | 96 |
| 10/12/12 | 9.74 | 2315 | 8.94 | 8.75 | 1430 | 96 |
| 10/13/12 | 9.96 | 1645 | 9.03 | 8.76 | 0900 | 96 |
| 10/14/12 | 9.48 | 1715 | 9.06 | 8.87 | 1230 | 96 |
| 10/15/12 | 9.51 | 2045 | 9.10 | 8.73 | 1115 | 96 |
| 10/16/12 | 9.62 | 1030 | 9.31 | 9.00 | 0645 | 96 |
| 10/17/12 | 9.53 | 1230 | 9.25 | 9.06 | 1545 | 96 |
| 10/18/12 | 9.60 | 1815 | 9.21 | 8.96 | 0145 | 96 |
| 10/19/12 | 9.88 | 0930 | 9.25 | 8.86 | 0645 | 96 |
| 10/20/12 | 9.58 | 2245 | 9.19 | 8.84 | 0515 | 96 |
| 10/21/12 | 9.45 | 0015 | 9.30 | 9.15 | 0945 | 96 |
| 10/22/12 | 9.82 | 1500 | 9.35 | 9.17 | 2330 | 96 |
| 10/23/12 | 9.25 | 1845 | 9.13 | 9.01 | 0345 | 96 |
| 10/24/12 | 9.16 | 1800 | 9.05 | 8.80 | 1445 | 96 |
| 10/25/12 | 9.32 | 1715 | 9.02 | 8.72 | 1215 | 96 |
| 10/26/12 | 9.66 | 1730 | 9.26 | 8.90 | 1000 | 96 |
| 10/27/12 | 9.32 | 0015 | 9.11 | 8.84 | 1400 | 96 |
| 10/28/12 | 9.33 | 0230 | 9.09 | 8.88 | 1115 | 96 |
| 10/29/12 | 9.78 | 0945 | 9.36 | 8.85 | 2000 | 96 |
| 10/30/12 | 9.55 | 0615 | 9.34 | 9.07 | 1100 | 96 |
| 10/31/12 | 10.16 | 2130 | 9.90 | 9.46 | 0045 | 96 |
| AVERAGE | 9.340 | | 8.959 | 8.667 | | |
| STD DEV.: | 0.426 | | 0.393 | 0.403 | | |

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

STATION: Zero

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 10/01/12 | 6.838 | 1645 | 6.793 | 6.767 | 2100 | 96 |
| 10/02/12 | 7.099 | 0900 | 6.833 | 6.762 | 1430 | 96 |
| 10/03/12 | 6.898 | 2045 | 6.814 | 6.740 | 0515 | 96 |
| 10/04/12 | 6.858 | 1415 | 6.797 | 6.720 | 0630 | 96 |
| 10/05/12 | 6.909 | 1730 | 6.785 | 6.657 | 1200 | 96 |
| 10/06/12 | 6.929 | 1815 | 6.821 | 6.742 | 1130 | 96 |
| 10/07/12 | 6.843 | 0200 | 6.815 | 6.786 | 1545 | 96 |
| 10/08/12 | 6.842 | 0645 | 6.812 | 6.772 | 1700 | 96 |
| 10/09/12 | 7.144 | 1000 | 6.855 | 6.725 | 1800 | 96 |
| 10/10/12 | 6.830 | 1230 | 6.775 | 6.745 | 0015 | 96 |
| 10/11/12 | 6.900 | 1200 | 6.718 | 6.561 | 2115 | 96 |
| 10/12/12 | 6.929 | 0730 | 6.651 | 6.597 | 0045 | 96 |
| 10/13/12 | 6.823 | 1715 | 6.655 | 6.597 | 2215 | 96 |
| 10/14/12 | 6.647 | 0545 | 6.608 | 6.564 | 1500 | 96 |
| 10/15/12 | 6.654 | 2300 | 6.592 | 6.527 | 1130 | 96 |
| 10/16/12 | 6.970 | 1030 | 6.649 | 6.552 | 0630 | 96 |
| 10/17/12 | 6.766 | 1130 | 6.675 | 6.580 | 1930 | 96 |
| 10/18/12 | 6.704 | 1800 | 6.636 | 6.587 | 1400 | 96 |
| 10/19/12 | 6.715 | 0930 | 6.632 | 6.573 | 1430 | 96 |
| 10/20/12 | 6.700 | 2230 | 6.596 | 6.527 | 1045 | 96 |
| 10/21/12 | 6.661 | 0100 | 6.620 | 6.591 | 0215 | 96 |
| 10/22/12 | 6.739 | 0745 | 6.644 | 6.620 | 0000 | 96 |
| 10/23/12 | 6.665 | 0945 | 6.632 | 6.598 | 1615 | 96 |
| 10/24/12 | 6.647 | 0115 | 6.593 | 6.552 | 2045 | 96 |
| 10/25/12 | 6.592 | 2000 | 6.563 | 6.519 | 1545 | 96 |
| 10/26/12 | 6.605 | 1245 | 6.550 | 6.512 | 1345 | 96 |
| 10/27/12 | 6.544 | 1130 | 6.507 | 6.480 | 2315 | 96 |
| 10/28/12 | 6.501 | 0400 | 6.480 | 6.459 | 1500 | 72 |
| 10/29/12 | 6.939 | 0700 | 6.622 | 6.556 | 1600 | 69 |
| 10/30/12 | 6.987 | 0000 | 6.784 | 6.580 | 1030 | 96 |
| 10/31/12 | 6.990 | 0115 | 6.915 | 6.806 | 2345 | 96 |
| AVERAGE | 6.802 | | 6.691 | 6.624 | | |
| STD DEV.: | 0.161 | | 0.113 | 0.101 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2012

STATION: Zero

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 10/01/12 | 15.630 | 1415 | 15.261 | 14.860 | 0800 | 96 |
| 10/02/12 | 15.950 | 1530 | 15.151 | 14.820 | 0830 | 96 |
| 10/03/12 | 15.510 | 2300 | 15.189 | 14.940 | 0830 | 96 |
| 10/04/12 | 15.630 | 1445 | 15.279 | 15.170 | 2345 | 96 |
| 10/05/12 | 16.710 | 1445 | 15.708 | 15.100 | 0530 | 96 |
| 10/06/12 | 16.980 | 1300 | 16.254 | 15.650 | 0545 | 96 |
| 10/07/12 | 15.890 | 0015 | 15.527 | 15.260 | 2345 | 96 |
| 10/08/12 | 15.230 | 0015 | 14.845 | 14.350 | 2345 | 96 |
| 10/09/12 | 14.500 | 1800 | 14.020 | 13.420 | 0815 | 96 |
| 10/10/12 | 14.090 | 0015 | 13.784 | 13.590 | 1000 | 96 |
| 10/11/12 | 13.930 | 1830 | 13.459 | 12.930 | 0815 | 96 |
| 10/12/12 | 13.230 | 0015 | 12.778 | 11.850 | 2315 | 96 |
| 10/13/12 | 12.690 | 1445 | 12.002 | 11.610 | 1730 | 96 |
| 10/14/12 | 12.170 | 1315 | 11.744 | 11.400 | 0930 | 96 |
| 10/15/12 | 12.500 | 1730 | 11.800 | 11.230 | 0830 | 96 |
| 10/16/12 | 12.320 | 1445 | 12.015 | 11.720 | 2230 | 96 |
| 10/17/12 | 12.600 | 1945 | 11.660 | 10.960 | 0745 | 96 |
| 10/18/12 | 12.720 | 1300 | 11.669 | 10.930 | 0800 | 96 |
| 10/19/12 | 12.070 | 1445 | 11.566 | 11.030 | 0930 | 96 |
| 10/20/12 | 13.440 | 1345 | 12.281 | 11.680 | 0330 | 96 |
| 10/21/12 | 13.270 | 1645 | 12.512 | 11.830 | 0015 | 96 |
| 10/22/12 | 12.620 | 1900 | 12.221 | 11.740 | 1645 | 96 |
| 10/23/12 | 12.650 | 1430 | 12.114 | 11.600 | 0800 | 96 |
| 10/24/12 | 12.220 | 1830 | 11.758 | 11.330 | 0815 | 96 |
| 10/25/12 | 12.710 | 1500 | 11.581 | 11.070 | 0645 | 96 |
| 10/26/12 | 12.630 | 1445 | 11.652 | 11.210 | 0530 | 96 |
| 10/27/12 | 12.430 | 1530 | 11.864 | 11.400 | 0730 | 96 |
| 10/28/12 | 12.220 | 1600 | 11.934 | 11.640 | 0745 | 96 |
| 10/29/12 | 12.450 | 2245 | 11.717 | 11.180 | 0830 | 96 |
| 10/30/12 | 13.000 | 1345 | 12.531 | 12.110 | 0100 | 96 |
| 10/31/12 | 12.670 | 0015 | 12.374 | 12.110 | 0000 | 96 |
| AVERAGE | 13.634 | | 13.040 | 12.572 | | |
| STD DEV.: | 1.516 | | 1.550 | 1.603 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2012

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 10/01/12 | 8.67 | 1230 | 7.89 | 7.29 | 0000 | 96 |
| 10/02/12 | 8.46 | 1630 | 7.85 | 7.33 | 0030 | 96 |
| 10/03/12 | 8.42 | 1200 | 7.94 | 7.32 | 0215 | 96 |
| 10/04/12 | 8.30 | 1600 | 7.87 | 7.27 | 0800 | 96 |
| 10/05/12 | 8.21 | 0200 | 7.89 | 7.08 | 1000 | 96 |
| 10/06/12 | 8.73 | 1700 | 8.09 | 7.39 | 0415 | 96 |
| 10/07/12 | 9.92 | 1300 | 8.01 | 7.35 | 2300 | 96 |
| 10/08/12 | 9.42 | 1245 | 8.47 | 7.46 | 0700 | 96 |
| 10/09/12 | 9.59 | 0800 | 8.32 | 7.20 | 2000 | 96 |
| 10/10/12 | 8.43 | 1315 | 7.84 | 7.19 | 0130 | 96 |
| 10/11/12 | 8.63 | 1145 | 8.09 | 7.47 | 1745 | 96 |
| 10/12/12 | 8.64 | 1600 | 8.23 | 7.64 | 0600 | 96 |
| 10/13/12 | 8.80 | 1315 | 8.07 | 7.19 | 0600 | 96 |
| 10/14/12 | 8.86 | 1530 | 8.31 | 7.39 | 0115 | 96 |
| 10/15/12 | 8.91 | 1245 | 8.34 | 7.74 | 0130 | 96 |
| 10/16/12 | 9.29 | 0930 | 8.38 | 7.28 | 2330 | 96 |
| 10/17/12 | 8.88 | 1000 | 8.23 | 7.52 | 0645 | 96 |
| 10/18/12 | 9.43 | 1415 | 8.57 | 7.78 | 0715 | 96 |
| 10/19/12 | 9.32 | 0630 | 8.11 | 7.42 | 2045 | 96 |
| 10/20/12 | 8.39 | 1100 | 8.03 | 7.60 | 1715 | 96 |
| 10/21/12 | 8.94 | 1145 | 8.46 | 7.89 | 0315 | 96 |
| 10/22/12 | 8.96 | 0715 | 8.35 | 7.68 | 2330 | 96 |
| 10/23/12 | 8.52 | 0845 | 7.94 | 7.25 | 2130 | 96 |
| 10/24/12 | 8.18 | 2245 | 7.68 | 6.99 | 0615 | 96 |
| 10/25/12 | 8.38 | 1130 | 7.88 | 6.98 | 0515 | 96 |
| 10/26/12 | 8.56 | 1215 | 7.75 | 7.15 | 1845 | 96 |
| 10/27/12 | 7.91 | 1000 | 7.59 | 7.18 | 1800 | 96 |
| 10/28/12 | 7.93 | 1130 | 7.61 | 7.05 | 0130 | 96 |
| 10/29/12 | 8.32 | 1245 | 8.00 | 7.38 | 0145 | 96 |
| 10/30/12 | 8.52 | 0715 | 7.91 | 7.70 | 1445 | 96 |
| 10/31/12 | 9.13 | 1415 | 8.69 | 8.08 | 0115 | 96 |
| AVERAGE | 8.730 | | 8.076 | 7.394 | | |
| STD DEV.: | 0.483 | | 0.282 | 0.267 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2012

STATION: N5

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 10/01/12 | 6.878 | 1600 | 6.840 | 6.813 | 0530 | 96 |
| 10/02/12 | 7.266 | 0715 | 6.866 | 6.838 | 2245 | 96 |
| 10/03/12 | 6.866 | 1245 | 6.842 | 6.820 | 1930 | 96 |
| 10/04/12 | 6.835 | 0100 | 6.818 | 6.793 | 1000 | 96 |
| 10/05/12 | 7.039 | 0700 | 6.812 | 6.771 | 1230 | 96 |
| 10/06/12 | 6.845 | 1515 | 6.809 | 6.768 | 1730 | 96 |
| 10/07/12 | 6.861 | 1615 | 6.827 | 6.786 | 0930 | 96 |
| 10/08/12 | 6.858 | 1600 | 6.825 | 6.776 | 0800 | 96 |
| 10/09/12 | 7.053 | 0845 | 6.827 | 6.767 | 0515 | 96 |
| 10/10/12 | 6.845 | 1645 | 6.825 | 6.778 | 2315 | 96 |
| 10/11/12 | 7.177 | 1330 | 6.833 | 6.783 | 0030 | 96 |
| 10/12/12 | 7.025 | 0700 | 6.846 | 6.811 | 0830 | 96 |
| 10/13/12 | 6.918 | 1530 | 6.887 | 6.836 | 1115 | 96 |
| 10/14/12 | 6.894 | 0115 | 6.867 | 6.833 | 0830 | 96 |
| 10/15/12 | 6.874 | 0130 | 6.851 | 6.832 | 1945 | 96 |
| 10/16/12 | 7.011 | 0930 | 6.836 | 6.784 | 0800 | 96 |
| 10/17/12 | 6.893 | 1315 | 6.869 | 6.820 | 0900 | 96 |
| 10/18/12 | 6.885 | 1900 | 6.868 | 6.848 | 1215 | 96 |
| 10/19/12 | 7.068 | 0630 | 6.855 | 6.827 | 0845 | 96 |
| 10/20/12 | 6.852 | 0015 | 6.808 | 6.780 | 1100 | 96 |
| 10/21/12 | 6.849 | 0315 | 6.816 | 6.791 | 1200 | 70 |
| 10/22/12 | 7.037 | 0715 | 6.805 | 6.746 | 1030 | 70 |
| 10/23/12 | 6.857 | 0100 | 6.813 | 6.770 | 1145 | 96 |
| 10/24/12 | 6.828 | 0615 | 6.784 | 6.738 | 2045 | 96 |
| 10/25/12 | 6.782 | 0515 | 6.750 | 6.726 | 2000 | 96 |
| 10/26/12 | 7.050 | 1215 | 6.746 | 6.725 | 0630 | 96 |
| 10/27/12 | 6.762 | 1345 | 6.744 | 6.719 | 1015 | 63 |
| 10/28/12 | 6.729 | 1830 | 6.704 | 6.634 | 0745 | 68 |
| 10/29/12 | 6.818 | 2115 | 6.750 | 6.706 | 0045 | 86 |
| 10/30/12 | 7.264 | 0715 | 6.744 | 6.709 | 2030 | 68 |
| 10/31/12 | 6.748 | 0045 | 6.693 | 6.589 | 2345 | 96 |
| AVERAGE | 6.925 | | 6.812 | 6.772 | | |
| STD DEV.: | 0.140 | | 0.050 | 0.059 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2012

STATION: N10

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 10/01/12 | 14.830 | 1130 | 14.661 | 14.530 | 0500 | 96 |
| 10/02/12 | 14.830 | 1215 | 14.610 | 14.430 | 0500 | 96 |
| 10/03/12 | 15.010 | 1430 | 14.840 | 14.510 | 0015 | 96 |
| 10/04/12 | 14.940 | 1345 | 14.894 | 14.820 | 2345 | 96 |
| 10/05/12 | 15.630 | 1500 | 15.235 | 14.800 | 0345 | 96 |
| 10/06/12 | 16.140 | 1315 | 15.766 | 15.500 | 0015 | 96 |
| 10/07/12 | 15.480 | 0015 | 15.085 | 14.520 | 0000 | 96 |
| 10/08/12 | 14.480 | 0015 | 14.171 | 13.850 | 0000 | 96 |
| 10/09/12 | 13.850 | 1300 | 13.675 | 13.430 | 0000 | 96 |
| 10/10/12 | 13.420 | 0015 | 13.294 | 13.090 | 0000 | 96 |
| 10/11/12 | 13.270 | 1400 | 13.045 | 12.850 | 0800 | 96 |
| 10/12/12 | 12.860 | 0015 | 12.576 | 11.790 | 0000 | 96 |
| 10/13/12 | 11.800 | 0015 | 11.531 | 11.150 | 0000 | 96 |
| 10/14/12 | 11.260 | 1600 | 11.047 | 10.810 | 0815 | 96 |
| 10/15/12 | 11.440 | 1445 | 11.166 | 10.810 | 0515 | 96 |
| 10/16/12 | 11.560 | 1315 | 11.336 | 10.950 | 0000 | 96 |
| 10/17/12 | 11.070 | 1400 | 10.809 | 10.520 | 0000 | 96 |
| 10/18/12 | 11.100 | 1415 | 10.739 | 10.350 | 0530 | 96 |
| 10/19/12 | 11.350 | 1330 | 11.087 | 10.820 | 0330 | 96 |
| 10/20/12 | 11.730 | 1545 | 11.448 | 11.160 | 0115 | 96 |
| 10/21/12 | 11.720 | 0100 | 11.287 | 11.100 | 1615 | 96 |
| 10/22/12 | 11.160 | 0015 | 10.945 | 10.740 | 0715 | 96 |
| 10/23/12 | 11.380 | 1500 | 11.107 | 10.850 | 0730 | 96 |
| 10/24/12 | 11.160 | 0015 | 10.937 | 10.640 | 0000 | 96 |
| 10/25/12 | 11.180 | 1430 | 10.883 | 10.580 | 0200 | 96 |
| 10/26/12 | 11.390 | 1545 | 11.104 | 10.820 | 0215 | 96 |
| 10/27/12 | 11.460 | 1345 | 11.221 | 11.000 | 0530 | 96 |
| 10/28/12 | 11.400 | 0845 | 11.318 | 11.200 | 0000 | 96 |
| 10/29/12 | 11.830 | 0000 | 11.289 | 10.950 | 0915 | 96 |
| 10/30/12 | 12.710 | 2030 | 12.333 | 11.840 | 0015 | 96 |
| 10/31/12 | 12.520 | 0015 | 12.158 | 11.900 | 0000 | 96 |
| AVERAGE | 12.708 | | 12.439 | 12.139 | | |
| STD DEV.: | 1.655 | | 1.662 | 1.666 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR October 2012

STATION: S4

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 10/01/12 | 14.430 | 1530 | 14.156 | 13.880 | 0700 | 96 |
| 10/02/12 | 14.500 | 1400 | 14.173 | 13.840 | 0630 | 96 |
| 10/03/12 | 14.560 | 1530 | 14.313 | 14.000 | 0515 | 96 |
| 10/04/12 | 14.510 | 1445 | 14.424 | 14.340 | 2345 | 96 |
| 10/05/12 | 15.320 | 1500 | 14.768 | 14.270 | 0530 | 96 |
| 10/06/12 | 15.880 | 1345 | 15.272 | 14.850 | 0630 | 96 |
| 10/07/12 | 15.030 | 0015 | 14.629 | 14.150 | 0000 | 96 |
| 10/08/12 | 14.150 | 0015 | 13.694 | 13.320 | 0000 | 96 |
| 10/09/12 | 13.320 | 1515 | 13.138 | 12.920 | 0730 | 96 |
| 10/10/12 | 12.950 | 0015 | 12.796 | 12.530 | 0000 | 96 |
| 10/11/12 | 12.890 | 1345 | 12.485 | 12.240 | 0700 | 96 |
| 10/12/12 | 12.370 | 1300 | 12.003 | 11.220 | 0000 | 96 |
| 10/13/12 | 11.490 | 1345 | 11.031 | 10.680 | 2345 | 96 |
| 10/14/12 | 10.740 | 1700 | 10.536 | 10.280 | 0800 | 96 |
| 10/15/12 | 11.110 | 1545 | 10.711 | 10.310 | 0615 | 96 |
| 10/16/12 | 11.220 | 1400 | 10.834 | 10.510 | 0000 | 96 |
| 10/17/12 | 10.790 | 1415 | 10.354 | 9.960 | 0700 | 96 |
| 10/18/12 | 10.950 | 1345 | 10.255 | 9.700 | 0700 | 96 |
| 10/19/12 | 11.000 | 1815 | 10.618 | 10.310 | 0630 | 96 |
| 10/20/12 | 11.410 | 1345 | 11.022 | 10.730 | 0645 | 96 |
| 10/21/12 | 11.110 | 0330 | 10.823 | 10.550 | 1830 | 96 |
| 10/22/12 | 10.750 | 1300 | 10.482 | 10.280 | 0745 | 96 |
| 10/23/12 | 10.900 | 1415 | 10.551 | 10.280 | 0600 | 96 |
| 10/24/12 | 10.770 | 1345 | 10.470 | 10.150 | 0000 | 96 |
| 10/25/12 | 10.860 | 1345 | 10.361 | 9.930 | 0615 | 96 |
| 10/26/12 | 11.050 | 1415 | 10.584 | 10.210 | 0615 | 96 |
| 10/27/12 | 11.140 | 1445 | 10.780 | 10.440 | 0630 | 96 |
| 10/28/12 | 10.990 | 1345 | 10.807 | 10.690 | 0545 | 96 |
| 10/29/12 | 11.320 | 0000 | 10.774 | 10.570 | 0930 | 96 |
| 10/30/12 | 12.160 | 2100 | 11.824 | 11.330 | 0015 | 96 |
| 10/31/12 | 12.080 | 0015 | 11.748 | 11.540 | 0000 | 96 |
| AVERAGE | 12.315 | | 11.949 | 11.613 | | |
| STD DEV.: | 1.654 | | 1.662 | 1.660 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2012

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 11/01/12 | 10.32 | 0800 | 9.98 | 9.63 | 1330 | 96 |
| 11/02/12 | 9.94 | 1100 | 9.42 | 9.16 | 1500 | 96 |
| 11/03/12 | 9.88 | 0830 | 9.33 | 9.12 | 1945 | 96 |
| 11/04/12 | 9.94 | 2215 | 9.51 | 9.21 | 0400 | 96 |
| 11/05/12 | 10.34 | 1830 | 9.90 | 9.51 | 0045 | 96 |
| 11/06/12 | 10.84 | 1030 | 10.04 | 9.42 | 0000 | 96 |
| 11/07/12 | 10.31 | 0000 | 9.66 | 9.41 | 0030 | 96 |
| 11/08/12 | 10.38 | 0100 | 10.06 | 9.80 | 0000 | 96 |
| 11/09/12 | 9.80 | 0015 | 9.69 | 9.58 | 0715 | 96 |
| 11/10/12 | 10.40 | 2100 | 10.18 | 9.74 | 0015 | 96 |
| 11/11/12 | 10.70 | 2215 | 10.54 | 10.36 | 0030 | 96 |
| 11/12/12 | 10.98 | 2015 | 10.79 | 10.65 | 0645 | 96 |
| 11/13/12 | 10.84 | 0015 | 10.06 | 9.59 | 2330 | 96 |
| 11/14/12 | 9.61 | 1045 | 8.99 | 8.44 | 2300 | 96 |
| 11/15/12 | 9.88 | 1715 | 9.03 | 8.29 | 0600 | 96 |
| 11/16/12 | 9.84 | 0845 | 9.39 | 9.02 | 2345 | 96 |
| 11/17/12 | 9.18 | 1030 | 8.92 | 8.69 | 0800 | 96 |
| 11/18/12 | 9.13 | 1645 | 8.88 | 8.66 | 1245 | 96 |
| 11/19/12 | 9.61 | 1215 | 9.22 | 9.02 | 0715 | 96 |
| 11/20/12 | 9.69 | 1900 | 9.04 | 8.68 | 0800 | 96 |
| 11/21/12 | 9.75 | 1030 | 9.21 | 8.53 | 0715 | 96 |
| 11/22/12 | 9.57 | 1845 | 9.26 | 8.78 | 1000 | 96 |
| 11/23/12 | 9.67 | 1415 | 9.17 | 8.66 | 0500 | 96 |
| 11/24/12 | 9.50 | 0945 | 9.17 | 8.75 | 0500 | 96 |
| 11/25/12 | 10.63 | 1230 | 10.14 | 8.94 | 0130 | 96 |
| 11/26/12 | 10.69 | 0815 | 10.24 | 9.74 | 1630 | 96 |
| 11/27/12 | 10.45 | 1630 | 10.32 | 10.10 | 2145 | 96 |
| 11/28/12 | 10.72 | 2315 | 10.42 | 10.12 | 0415 | 96 |
| 11/29/12 | 10.98 | 0615 | 10.84 | 10.60 | 1215 | 96 |
| 11/30/12 | 11.45 | 2015 | 11.09 | 10.72 | 0545 | 96 |
| AVERAGE | 10.167 | | 9.749 | 9.364 | | |
| STD DEV.: | 0.582 | | 0.627 | 0.687 | | |

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

STATION: Zero

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 11/01/12 | 6.810 | 0030 | 6.746 | 6.667 | 0845 | 96 |
| 11/02/12 | 6.829 | 2000 | 6.790 | 6.687 | 1100 | 96 |
| 11/03/12 | 6.870 | 1945 | 6.818 | 6.759 | 0200 | 96 |
| 11/04/12 | 6.935 | 2330 | 6.878 | 6.830 | 0015 | 96 |
| 11/05/12 | 6.992 | 2200 | 6.946 | 6.910 | 0200 | 96 |
| 11/06/12 | 7.103 | 0845 | 6.979 | 6.919 | 0000 | 96 |
| 11/07/12 | 6.936 | 1815 | 6.916 | 6.883 | 0530 | 96 |
| 11/08/12 | 6.941 | 0030 | 6.874 | 6.832 | 1245 | 96 |
| 11/09/12 | 7.203 | 0815 | 6.995 | 6.792 | 1015 | 96 |
| 11/10/12 | 7.168 | 1800 | 7.146 | 7.103 | 0930 | 96 |
| 11/11/12 | 7.122 | 0345 | 7.107 | 7.088 | 1715 | 96 |
| 11/12/12 | 7.110 | 0500 | 7.097 | 7.085 | 1030 | 96 |
| 11/13/12 | 7.170 | 0830 | 7.078 | 7.038 | 1200 | 96 |
| 11/14/12 | 7.146 | 1630 | 7.104 | 7.068 | 0015 | 96 |
| 11/15/12 | 7.239 | 2330 | 7.140 | 7.036 | 1315 | 96 |
| 11/16/12 | 7.297 | 1045 | 7.230 | 7.154 | 2315 | 96 |
| 11/17/12 | 7.193 | 1015 | 7.153 | 7.120 | 0815 | 96 |
| 11/18/12 | 7.210 | 1500 | 7.174 | 7.135 | 0045 | 96 |
| 11/19/12 | 7.204 | 0100 | 7.172 | 7.150 | 2330 | 96 |
| 11/20/12 | 7.181 | 1530 | 7.149 | 7.105 | 2215 | 96 |
| 11/21/12 | 7.259 | 0845 | 7.112 | 7.047 | 1145 | 96 |
| 11/22/12 | 7.146 | 0815 | 7.120 | 7.082 | 1345 | 96 |
| 11/23/12 | 7.161 | 0830 | 7.123 | 7.088 | 2215 | 96 |
| 11/24/12 | 7.195 | 2015 | 7.117 | 7.057 | 0630 | 96 |
| 11/25/12 | 7.339 | 1230 | 7.256 | 7.093 | 0615 | 96 |
| 11/26/12 | 7.281 | 0015 | 7.201 | 7.043 | 1900 | 96 |
| 11/27/12 | 7.162 | 1515 | 7.141 | 7.115 | 2215 | 96 |
| 11/28/12 | 7.193 | 0845 | 7.122 | 7.079 | 1045 | 96 |
| 11/29/12 | 7.203 | 0630 | 7.125 | 7.100 | 1130 | 96 |
| 11/30/12 | 7.232 | 0630 | 7.173 | 7.117 | 0030 | 96 |
| AVERAGE | 7.128 | | 7.066 | 7.006 | | |
| STD DEV.: | 0.140 | | 0.135 | 0.143 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2012

STATION: Zero

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|----------|--------------------|------|------------------|--------------------|------|-------------|
| 11/01/12 | 12.270 | 1300 | 12.052 | 11.870 | 0800 | 96 |
| 11/02/12 | 12.060 | 1330 | 11.832 | 11.530 | 2230 | 96 |
| 11/03/12 | 11.600 | 0030 | 11.168 | 10.620 | 0000 | 96 |
| 11/04/12 | 10.660 | 0030 | 10.158 | 9.670 | 2345 | 96 |
| 11/05/12 | 9.690 | 0045 | 9.066 | 8.440 | 0000 | 96 |
| 11/06/12 | 8.490 | 2200 | 8.129 | 7.699 | 0730 | 96 |
| 11/07/12 | 8.470 | 0000 | 8.002 | 7.521 | 2215 | 96 |
| 11/08/12 | 13.250 | 0000 | 11.050 | 8.510 | 0015 | 96 |
| 11/09/12 | 15.840 | 1345 | 14.847 | 13.250 | 0015 | 96 |
| 11/10/12 | 15.640 | 1730 | 15.283 | 14.900 | 0015 | 96 |
| 11/11/12 | 16.170 | 1645 | 15.736 | 15.260 | 0130 | 96 |
| 11/12/12 | 16.730 | 0000 | 16.192 | 15.720 | 0815 | 96 |
| 11/13/12 | 17.200 | 0530 | 16.841 | 16.130 | 0000 | 96 |
| 11/14/12 | 17.240 | 1415 | 16.434 | 16.060 | 0200 | 96 |
| 11/15/12 | 16.540 | 0145 | 14.185 | 11.190 | 2345 | 96 |
| 11/16/12 | 14.960 | 2330 | 11.936 | 9.550 | 0800 | 96 |
| 11/17/12 | 16.440 | 1645 | 15.493 | 14.960 | 0015 | 96 |
| 11/18/12 | 14.960 | 0015 | 13.869 | 12.620 | 0000 | 96 |
| 11/19/12 | 15.390 | 1545 | 14.107 | 12.590 | 0015 | 96 |
| 11/20/12 | 14.940 | 1700 | 14.346 | 13.730 | 2315 | 96 |
| 11/21/12 | 14.870 | 1845 | 14.268 | 13.520 | 1130 | 96 |
| 11/22/12 | 14.570 | 1900 | 14.147 | 13.720 | 1415 | 96 |
| 11/23/12 | 14.970 | 0000 | 13.993 | 13.120 | 0600 | 96 |
| 11/24/12 | 15.310 | 0500 | 14.676 | 13.880 | 1915 | 96 |
| 11/25/12 | 14.620 | 0545 | 10.328 | 8.050 | 1200 | 96 |
| 11/26/12 | 18.900 | 1830 | 12.328 | 8.480 | 0945 | 96 |
| 11/27/12 | 14.690 | 0015 | 14.266 | 13.690 | 0830 | 96 |
| 11/28/12 | 14.480 | 0015 | 14.271 | 13.980 | 0915 | 96 |
| 11/29/12 | 14.420 | 1500 | 13.979 | 12.360 | 0615 | 96 |
| 11/30/12 | 14.180 | 0015 | 13.429 | 11.600 | 0645 | 96 |

| | | | |
|-----------|--------|--------|--------|
| AVERAGE | 14.318 | 13.214 | 12.141 |
| STD DEV.: | 2.531 | 2.381 | 2.643 |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2012

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 11/01/12 | 8.69 | 2045 | 8.48 | 8.25 | 0900 | 96 |
| 11/02/12 | 9.49 | 2245 | 8.80 | 8.38 | 0400 | 96 |
| 11/03/12 | 9.54 | 0130 | 9.45 | 9.31 | 1630 | 96 |
| 11/04/12 | 9.58 | 2345 | 9.44 | 9.29 | 0415 | 96 |
| 11/05/12 | 9.66 | 0915 | 9.53 | 9.37 | 0315 | 96 |
| 11/06/12 | 9.64 | 0430 | 8.93 | 8.51 | 1800 | 96 |
| 11/07/12 | 8.70 | 0345 | 8.57 | 8.43 | 1700 | 96 |
| 11/08/12 | 8.83 | 2115 | 8.64 | 8.43 | 0100 | 96 |
| 11/09/12 | 9.71 | 0900 | 9.09 | 8.77 | 0015 | 96 |
| 11/10/12 | 9.47 | 1015 | 9.10 | 8.89 | 0645 | 96 |
| 11/11/12 | 9.28 | 1315 | 9.08 | 8.86 | 2345 | 96 |
| 11/12/12 | 9.37 | 1330 | 9.10 | 8.84 | 0045 | 96 |
| 11/13/12 | 9.38 | 0800 | 8.76 | 8.48 | 2145 | 96 |
| 11/14/12 | 8.94 | 1915 | 8.73 | 8.36 | 0445 | 96 |
| 11/15/12 | 9.41 | 1515 | 9.08 | 8.58 | 0130 | 96 |
| 11/16/12 | 9.98 | 0815 | 8.87 | 8.53 | 1000 | 96 |
| 11/17/12 | 8.86 | 2030 | 8.68 | 8.50 | 0730 | 96 |
| 11/18/12 | 8.94 | 1445 | 8.76 | 8.58 | 0700 | 96 |
| 11/19/12 | 8.95 | 0930 | 8.77 | 8.54 | 0545 | 96 |
| 11/20/12 | 9.01 | 0815 | 8.64 | 8.01 | 1545 | 96 |
| 11/21/12 | 8.96 | 0945 | 8.71 | 8.55 | 0130 | 40 |
| AVERAGE | 9.257 | | 8.915 | 8.641 | | |
| STD DEV.: | 0.373 | | 0.297 | 0.350 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2012

STATION: N5

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 11/01/12 | 6.883 | 1545 | 6.717 | 6.530 | 0645 | 96 |
| 11/02/12 | 6.903 | 1300 | 6.860 | 6.830 | 1645 | 96 |
| 11/03/12 | 6.965 | 2300 | 6.920 | 6.866 | 0015 | 96 |
| 11/04/12 | 7.032 | 2300 | 6.994 | 6.957 | 0215 | 96 |
| 11/05/12 | 7.081 | 2000 | 7.052 | 7.026 | 0015 | 96 |
| 11/06/12 | 7.097 | 0815 | 7.078 | 7.060 | 0015 | 96 |
| 11/07/12 | 7.137 | 1700 | 7.111 | 7.073 | 0100 | 96 |
| 11/08/12 | 7.177 | 1800 | 7.139 | 7.110 | 0200 | 96 |
| 11/09/12 | 7.167 | 0815 | 7.119 | 7.069 | 1115 | 96 |
| 11/10/12 | 7.167 | 0730 | 6.927 | 6.634 | 0815 | 78 |
| 11/11/12 | 6.948 | 2345 | 6.917 | 6.895 | 0900 | 96 |
| 11/12/12 | 6.953 | 0045 | 6.921 | 6.897 | 1330 | 96 |
| 11/13/12 | 7.111 | 0745 | 6.919 | 6.875 | 1145 | 96 |
| 11/14/12 | 6.966 | 2000 | 6.947 | 6.929 | 1045 | 96 |
| 11/15/12 | 6.988 | 0500 | 6.946 | 6.914 | 1500 | 96 |
| 11/16/12 | 7.105 | 0815 | 6.960 | 6.924 | 0130 | 96 |
| 11/17/12 | 7.015 | 2345 | 6.984 | 6.957 | 1430 | 96 |
| 11/18/12 | 7.009 | 0700 | 6.983 | 6.947 | 1445 | 96 |
| 11/19/12 | 7.020 | 0800 | 6.995 | 6.959 | 1545 | 96 |
| 11/20/12 | 7.021 | 0930 | 6.989 | 6.952 | 2230 | 96 |
| 11/21/12 | 7.008 | 2300 | 6.975 | 6.950 | 1515 | 96 |
| 11/22/12 | 7.005 | 0300 | 6.981 | 6.955 | 1900 | 96 |
| 11/23/12 | 7.012 | 0115 | 6.973 | 6.952 | 1230 | 96 |
| 11/24/12 | 7.027 | 2300 | 6.977 | 6.943 | 0615 | 96 |
| 11/25/12 | 7.056 | 1930 | 7.010 | 6.981 | 0345 | 96 |
| 11/26/12 | 7.044 | 0045 | 7.009 | 6.981 | 0630 | 96 |
| 11/27/12 | 7.029 | 0000 | 7.000 | 6.968 | 1100 | 96 |
| 11/28/12 | 7.218 | 0815 | 6.986 | 6.956 | 1815 | 96 |
| 11/29/12 | 7.045 | 1145 | 7.007 | 6.961 | 0015 | 96 |
| 11/30/12 | 7.087 | 2230 | 7.056 | 7.011 | 0015 | 96 |
| AVERAGE | 7.043 | | 6.982 | 6.935 | | |
| STD DEV.: | 0.080 | | 0.081 | 0.115 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2012

STATION: N10

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 11/01/12 | 11.890 | 0015 | 11.731 | 11.500 | 0000 | 96 |
| 11/02/12 | 11.490 | 0015 | 11.156 | 10.870 | 0000 | 96 |
| 11/03/12 | 10.850 | 0015 | 10.405 | 9.960 | 0000 | 96 |
| 11/04/12 | 9.950 | 0015 | 9.513 | 9.150 | 0000 | 96 |
| 11/05/12 | 9.130 | 0015 | 8.594 | 7.997 | 0000 | 96 |
| 11/06/12 | 8.030 | 0015 | 7.641 | 7.286 | 0000 | 96 |
| 11/07/12 | 7.259 | 0015 | 6.618 | 6.200 | 0000 | 96 |
| 11/08/12 | 6.186 | 0015 | 5.869 | 5.743 | 0000 | 96 |
| 11/09/12 | 5.810 | 0000 | 5.630 | 5.346 | 0845 | 96 |
| 11/10/12 | 5.830 | 1700 | 5.682 | 5.490 | 0600 | 29 |
| 11/11/12 | 5.930 | 2300 | 5.740 | 5.570 | 0800 | 24 |
| 11/12/12 | 6.370 | 2300 | 6.114 | 5.940 | 0000 | 24 |
| 11/13/12 | 7.211 | 1545 | 7.057 | 6.410 | 0000 | 66 |
| 11/14/12 | 6.855 | 0015 | 6.461 | 6.151 | 0000 | 96 |
| 11/15/12 | 6.135 | 0015 | 5.680 | 5.423 | 0930 | 96 |
| 11/16/12 | 5.505 | 0015 | 5.236 | 5.073 | 2345 | 96 |
| 11/17/12 | 5.170 | 1645 | 5.052 | 4.895 | 0900 | 96 |
| 11/18/12 | 4.949 | 0015 | 4.716 | 4.523 | 0000 | 96 |
| 11/19/12 | 4.513 | 0015 | 4.336 | 4.066 | 0000 | 96 |
| 11/20/12 | 4.068 | 0515 | 3.976 | 3.520 | 1600 | 96 |
| 11/21/12 | 3.862 | 0015 | 3.765 | 3.698 | 0615 | 33 |
| AVERAGE | 7.000 | | 6.713 | 6.420 | | |
| STD DEV.: | 2.382 | | 2.314 | 2.264 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2012

STATION: S4

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 11/01/12 | 11.530 | 0015 | 11.350 | 11.140 | 0000 | 96 |
| 11/02/12 | 11.130 | 0015 | 10.782 | 10.490 | 0000 | 96 |
| 11/03/12 | 10.480 | 0015 | 10.028 | 9.560 | 0000 | 96 |
| 11/04/12 | 9.550 | 0015 | 9.129 | 8.760 | 0000 | 96 |
| 11/05/12 | 8.750 | 0015 | 8.211 | 7.673 | 0000 | 96 |
| 11/06/12 | 7.649 | 0015 | 7.155 | 6.776 | 0000 | 96 |
| 11/07/12 | 6.767 | 0015 | 6.145 | 5.706 | 0000 | 96 |
| 11/08/12 | 5.961 | 2030 | 5.836 | 5.681 | 0600 | 96 |
| 11/09/12 | 6.218 | 2200 | 5.900 | 5.528 | 0545 | 96 |
| 11/10/12 | 6.421 | 1815 | 6.217 | 5.982 | 0915 | 96 |
| 11/11/12 | 6.522 | 2015 | 6.371 | 6.230 | 1115 | 96 |
| 11/12/12 | 7.174 | 2315 | 6.629 | 6.290 | 0800 | 96 |
| 11/13/12 | 7.433 | 1530 | 7.285 | 6.975 | 0030 | 96 |
| 11/14/12 | 7.186 | 0015 | 6.868 | 6.514 | 0000 | 96 |
| 11/15/12 | 6.824 | 1345 | 6.498 | 5.995 | 0815 | 96 |
| 11/16/12 | 6.366 | 0100 | 5.834 | 5.409 | 1045 | 96 |
| 11/17/12 | 5.886 | 1400 | 5.538 | 5.358 | 0645 | 96 |
| 11/18/12 | 5.452 | 1230 | 5.221 | 4.989 | 2330 | 96 |
| 11/19/12 | 5.423 | 1345 | 5.013 | 4.802 | 0830 | 96 |
| 11/20/12 | 6.468 | 1845 | 4.738 | 4.075 | 2300 | 96 |
| 11/21/12 | 4.778 | 0145 | 4.610 | 4.110 | 1000 | 35 |
| AVERAGE | 7.332 | | 6.922 | 6.573 | | |
| STD DEV.: | 1.893 | | 1.930 | 1.945 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2012

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 12/01/12 | 12.86 | 2345 | 12.58 | 12.22 | 0015 | 96 |
| 12/02/12 | 13.43 | 1800 | 12.95 | 12.74 | 0145 | 96 |
| 12/03/12 | 15.66 | 0445 | 13.32 | 13.08 | 1000 | 96 |
| 12/04/12 | 13.35 | 0300 | 12.92 | 12.33 | 2330 | 96 |
| 12/05/12 | 12.44 | 0015 | 12.18 | 11.94 | 0645 | 40 |
| AVERAGE | 13.548 | | 12.791 | 12.462 | | |
| STD DEV.: | 1.246 | | 0.431 | 0.449 | | |

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

STATION: Zero

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 12/01/12 | 7.252 | 0715 | 7.189 | 7.135 | 2145 | 96 |
| 12/02/12 | 7.216 | 1100 | 7.171 | 7.111 | 2200 | 96 |
| 12/03/12 | 7.223 | 0645 | 7.178 | 7.129 | 1145 | 96 |
| 12/04/12 | 7.210 | 0530 | 7.193 | 7.132 | 0015 | 96 |
| 12/05/12 | 7.242 | 1915 | 7.202 | 7.129 | 1045 | 96 |
| 12/06/12 | 7.261 | 0745 | 7.218 | 7.183 | 2215 | 96 |
| 12/07/12 | 7.259 | 0945 | 7.218 | 7.184 | 0200 | 96 |
| 12/08/12 | 7.246 | 0730 | 7.229 | 7.202 | 2300 | 96 |
| 12/09/12 | 7.229 | 1300 | 7.210 | 7.166 | 2145 | 96 |
| 12/10/12 | 7.209 | 0100 | 7.169 | 7.132 | 2215 | 96 |
| 12/11/12 | 7.209 | 0845 | 7.173 | 7.136 | 0015 | 96 |
| 12/12/12 | 7.239 | 2045 | 7.170 | 7.149 | 1645 | 96 |
| 12/13/12 | 7.156 | 0030 | 7.112 | 7.087 | 1515 | 96 |
| 12/14/12 | 7.209 | 2045 | 7.173 | 7.111 | 0015 | 96 |
| 12/15/12 | 7.223 | 0015 | 7.188 | 7.116 | 2330 | 96 |
| 12/16/12 | 7.191 | 1400 | 7.145 | 7.070 | 2245 | 96 |
| 12/17/12 | 7.228 | 0000 | 7.106 | 7.041 | 2030 | 96 |
| 12/18/12 | 7.299 | 2145 | 7.271 | 7.233 | 0000 | 96 |
| 12/19/12 | 7.389 | 1745 | 7.337 | 7.272 | 0015 | 96 |
| 12/20/12 | 7.323 | 0015 | 7.132 | 6.836 | 1745 | 96 |
| 12/21/12 | 6.999 | 0315 | 6.934 | 6.777 | 2245 | 96 |
| 12/22/12 | 6.793 | 2200 | 6.769 | 6.732 | 1600 | 96 |
| 12/23/12 | 6.766 | 0015 | 6.692 | 6.643 | 2030 | 96 |
| 12/24/12 | 6.653 | 0215 | 6.603 | 6.569 | 2115 | 96 |
| 12/25/12 | 6.653 | 1100 | 6.582 | 6.533 | 1600 | 96 |
| 12/26/12 | 6.685 | 0000 | 6.602 | 6.553 | 1600 | 96 |
| 12/27/12 | 6.689 | 0800 | 6.653 | 6.619 | 1600 | 96 |
| 12/28/12 | 6.682 | 0415 | 6.648 | 6.601 | 1300 | 96 |
| 12/29/12 | 6.688 | 1100 | 6.638 | 6.592 | 1615 | 96 |
| 12/30/12 | 6.721 | 1115 | 6.670 | 6.596 | 0400 | 96 |
| 12/31/12 | 6.722 | 1045 | 6.674 | 6.635 | 1815 | 96 |
| AVERAGE | 7.060 | | 7.008 | 6.949 | | |
| STD DEV.: | 0.257 | | 0.258 | 0.259 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2012

STATION: Zero

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 12/01/12 | 13.640 | 0100 | 12.606 | 10.950 | 0930 | 96 |
| 12/02/12 | 14.070 | 2145 | 12.273 | 11.270 | 1115 | 96 |
| 12/03/12 | 13.730 | 2345 | 12.101 | 11.270 | 0245 | 96 |
| 12/04/12 | 13.460 | 2100 | 12.193 | 11.600 | 0645 | 96 |
| 12/05/12 | 13.560 | 2315 | 12.308 | 11.710 | 0845 | 96 |
| 12/06/12 | 14.630 | 1515 | 13.158 | 11.480 | 0745 | 96 |
| 12/07/12 | 14.440 | 0015 | 12.479 | 11.410 | 1915 | 96 |
| 12/08/12 | 12.020 | 2045 | 11.394 | 11.210 | 0915 | 96 |
| 12/09/12 | 12.910 | 2130 | 11.686 | 11.460 | 0845 | 96 |
| 12/10/12 | 14.730 | 2300 | 13.175 | 11.760 | 0200 | 96 |
| 12/11/12 | 15.020 | 2245 | 13.764 | 12.060 | 0730 | 96 |
| 12/12/12 | 15.000 | 0130 | 14.282 | 11.170 | 2030 | 96 |
| 12/13/12 | 14.410 | 1515 | 14.202 | 13.980 | 0915 | 96 |
| 12/14/12 | 13.970 | 0015 | 12.168 | 11.350 | 0830 | 96 |
| 12/15/12 | 13.730 | 2345 | 11.736 | 11.110 | 0945 | 96 |
| 12/16/12 | 13.620 | 0015 | 12.143 | 11.000 | 0945 | 96 |
| 12/17/12 | 13.560 | 1530 | 11.688 | 6.394 | 2345 | 96 |
| 12/18/12 | 6.027 | 0000 | 5.351 | 4.566 | 0130 | 96 |
| 12/19/12 | 9.220 | 2345 | 6.360 | 5.427 | 0945 | 96 |
| 12/20/12 | 10.970 | 1645 | 9.488 | 6.506 | 2345 | 96 |
| 12/21/12 | 13.720 | 2200 | 7.663 | 5.549 | 0730 | 96 |
| 12/22/12 | 13.130 | 0845 | 12.816 | 12.570 | 1815 | 96 |
| 12/23/12 | 12.780 | 0015 | 12.458 | 12.290 | 0645 | 96 |
| 12/24/12 | 12.580 | 0245 | 12.476 | 12.390 | 0900 | 96 |
| 12/25/12 | 12.790 | 1615 | 12.328 | 11.970 | 0000 | 96 |
| 12/26/12 | 13.440 | 1545 | 12.320 | 11.770 | 0945 | 96 |
| 12/27/12 | 12.950 | 2215 | 12.100 | 11.480 | 0745 | 96 |
| 12/28/12 | 14.230 | 0000 | 13.034 | 11.690 | 0900 | 96 |
| 12/29/12 | 14.700 | 1630 | 14.009 | 12.610 | 0945 | 96 |
| 12/30/12 | 14.540 | 0245 | 13.634 | 12.120 | 0915 | 96 |
| 12/31/12 | 15.120 | 1800 | 14.444 | 12.620 | 0900 | 96 |
| AVERAGE | 13.313 | | 11.995 | 10.798 | | |
| STD DEV.: | 1.824 | | 2.110 | 2.377 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR December 2012

STATION: N5

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 12/01/12 | 7.100 | 0130 | 7.084 | 7.068 | 0245 | 96 |
| 12/02/12 | 7.126 | 2145 | 7.065 | 6.780 | 1600 | 72 |
| 12/03/12 | 7.122 | 1030 | 7.097 | 7.067 | 1330 | 96 |
| 12/04/12 | 7.222 | 1445 | 6.910 | 6.652 | 2215 | 80 |
| 12/05/12 | 7.019 | 1600 | 6.850 | 6.648 | 0845 | 96 |
| 12/06/12 | 7.121 | 2245 | 7.039 | 6.830 | 0900 | 89 |
| 12/07/12 | 7.151 | 0915 | 7.080 | 6.996 | 1645 | 79 |
| 12/08/12 | 7.040 | 0300 | 7.003 | 6.973 | 2100 | 96 |
| 12/09/12 | 6.986 | 2245 | 6.975 | 6.960 | 0830 | 96 |
| 12/10/12 | 7.182 | 1500 | 6.955 | 6.705 | 1200 | 96 |
| 12/11/12 | 7.137 | 1045 | 6.949 | 6.925 | 0300 | 93 |
| 12/12/12 | 7.002 | 1600 | 6.986 | 6.967 | 2115 | 96 |
| 12/13/12 | 6.984 | 2045 | 6.968 | 6.950 | 1300 | 96 |
| 12/14/12 | 7.064 | 1030 | 6.972 | 6.938 | 1430 | 96 |
| 12/15/12 | 6.969 | 0015 | 6.955 | 6.943 | 1545 | 96 |
| 12/16/12 | 6.956 | 0130 | 6.917 | 6.881 | 1945 | 96 |
| 12/17/12 | 6.926 | 2315 | 6.909 | 6.890 | 0115 | 96 |
| 12/18/12 | 6.962 | 1900 | 6.936 | 6.923 | 0500 | 96 |
| 12/19/12 | 7.075 | 0945 | 6.997 | 6.932 | 0400 | 96 |
| 12/20/12 | 7.052 | 0515 | 6.983 | 6.901 | 1300 | 96 |
| 12/21/12 | 6.975 | 1715 | 6.947 | 6.925 | 0000 | 96 |
| 12/22/12 | 6.927 | 0015 | 6.897 | 6.831 | 2300 | 96 |
| 12/23/12 | 6.831 | 0100 | 6.777 | 6.752 | 1430 | 96 |
| 12/24/12 | 6.762 | 0030 | 6.732 | 6.718 | 1415 | 96 |
| 12/25/12 | 6.797 | 2345 | 6.760 | 6.738 | 0215 | 96 |
| 12/26/12 | 6.830 | 0000 | 6.782 | 6.764 | 1530 | 96 |
| 12/27/12 | 6.966 | 0730 | 6.842 | 6.758 | 0215 | 96 |
| 12/28/12 | 6.900 | 2215 | 6.874 | 6.849 | 0030 | 96 |
| 12/29/12 | 6.945 | 2145 | 6.890 | 6.868 | 1345 | 96 |
| 12/30/12 | 6.956 | 1915 | 6.899 | 6.843 | 0000 | 96 |
| 12/31/12 | 6.968 | 0000 | 6.894 | 6.829 | 0830 | 96 |
| AVERAGE | 7.002 | | 6.933 | 6.865 | | |
| STD DEV.: | 0.113 | | 0.094 | 0.111 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR January 2013

STATION: Zero

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 01/01/13 | 6.757 | 1100 | 6.726 | 6.674 | 0245 | 96 |
| 01/02/13 | 6.866 | 1115 | 6.707 | 6.640 | 1345 | 96 |
| 01/03/13 | 6.751 | 0845 | 6.712 | 6.678 | 1300 | 96 |
| 01/04/13 | 6.710 | 0345 | 6.667 | 6.642 | 1330 | 96 |
| 01/05/13 | 6.746 | 1545 | 6.716 | 6.653 | 0030 | 96 |
| 01/06/13 | 6.744 | 0015 | 6.718 | 6.677 | 2345 | 96 |
| 01/07/13 | 6.737 | 1245 | 6.718 | 6.673 | 0100 | 96 |
| 01/08/13 | 6.736 | 0730 | 6.709 | 6.682 | 1415 | 96 |
| 01/09/13 | 6.780 | 1645 | 6.747 | 6.696 | 2300 | 96 |
| 01/10/13 | 6.827 | 1645 | 6.779 | 6.714 | 0015 | 96 |
| 01/11/13 | 6.778 | 0300 | 6.764 | 6.748 | 0545 | 96 |
| 01/12/13 | 6.782 | 0400 | 6.764 | 6.715 | 1915 | 96 |
| 01/13/13 | 6.770 | 0515 | 6.745 | 6.707 | 2045 | 96 |
| 01/14/13 | 6.782 | 2130 | 6.760 | 6.727 | 1200 | 96 |
| 01/15/13 | 6.816 | 1130 | 6.786 | 6.740 | 1930 | 96 |
| 01/16/13 | 6.853 | 0615 | 6.785 | 6.748 | 1900 | 96 |
| 01/17/13 | 6.790 | 0800 | 6.753 | 6.719 | 2330 | 96 |
| 01/18/13 | 6.799 | 0800 | 6.759 | 6.725 | 0115 | 96 |
| 01/19/13 | 6.729 | 0030 | 6.693 | 6.680 | 1715 | 96 |
| 01/20/13 | 6.777 | 1645 | 6.746 | 6.695 | 0015 | 96 |
| 01/21/13 | 6.778 | 0145 | 6.692 | 6.644 | 2130 | 72 |
| 01/22/13 | 6.753 | 1715 | 6.686 | 6.587 | 0845 | 96 |
| 01/23/13 | 7.042 | 1845 | 6.922 | 6.712 | 0700 | 96 |
| 01/24/13 | 7.060 | 1330 | 7.037 | 7.014 | 0915 | 96 |
| 01/25/13 | 7.048 | 0015 | 7.007 | 6.986 | 0915 | 96 |
| 01/26/13 | 7.106 | 1930 | 7.061 | 7.023 | 0015 | 96 |
| 01/27/13 | 7.108 | 0230 | 7.089 | 7.057 | 2245 | 96 |
| 01/28/13 | 7.074 | 0115 | 7.061 | 7.044 | 0915 | 96 |
| 01/29/13 | 7.072 | 0000 | 7.055 | 7.041 | 1115 | 96 |
| 01/30/13 | 7.124 | 1745 | 7.085 | 7.051 | 1030 | 96 |
| 01/31/13 | 7.203 | 1915 | 7.130 | 7.064 | 0500 | 96 |
| AVERAGE | 6.868 | | 6.825 | 6.779 | | |
| STD DEV.: | 0.152 | | 0.152 | 0.158 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR January 2013

STATION: Zero

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 01/01/13 | 14.520 | 0015 | 12.745 | 11.650 | 1030 | 96 |
| 01/02/13 | 13.710 | 0315 | 12.774 | 11.150 | 0745 | 96 |
| 01/03/13 | 13.350 | 1300 | 12.939 | 12.260 | 1830 | 96 |
| 01/04/13 | 13.590 | 1515 | 13.015 | 12.100 | 0315 | 96 |
| 01/05/13 | 13.250 | 0015 | 11.469 | 11.080 | 2345 | 96 |
| 01/06/13 | 13.060 | 0000 | 11.521 | 11.040 | 0315 | 96 |
| 01/07/13 | 13.230 | 0045 | 11.526 | 11.210 | 2030 | 96 |
| 01/08/13 | 12.290 | 2245 | 11.517 | 11.050 | 0515 | 96 |
| 01/09/13 | 12.810 | 2215 | 10.762 | 9.860 | 0730 | 96 |
| 01/10/13 | 12.070 | 0015 | 11.506 | 11.210 | 0900 | 96 |
| 01/11/13 | 12.150 | 1530 | 11.945 | 11.460 | 0215 | 96 |
| 01/12/13 | 13.720 | 1830 | 12.533 | 11.910 | 0445 | 96 |
| 01/13/13 | 13.960 | 2000 | 12.910 | 12.090 | 0915 | 96 |
| 01/14/13 | 13.570 | 1515 | 12.647 | 11.900 | 0900 | 96 |
| 01/15/13 | 14.600 | 1815 | 13.436 | 12.570 | 0430 | 96 |
| 01/16/13 | 13.970 | 1545 | 12.889 | 11.500 | 0530 | 96 |
| 01/17/13 | 13.870 | 1945 | 13.043 | 11.820 | 0815 | 96 |
| 01/18/13 | 13.740 | 0015 | 12.747 | 11.350 | 0845 | 96 |
| 01/19/13 | 14.320 | 1615 | 13.884 | 13.270 | 0015 | 96 |
| 01/20/13 | 14.150 | 0030 | 12.672 | 11.990 | 0830 | 96 |
| 01/21/13 | 21.110 | 2345 | 17.672 | 12.320 | 0530 | 96 |
| 01/22/13 | 21.590 | 0700 | 17.580 | 13.690 | 2015 | 96 |
| 01/23/13 | 13.770 | 0030 | 13.596 | 13.410 | 0845 | 96 |
| 01/24/13 | 13.690 | 1530 | 13.384 | 13.060 | 2345 | 96 |
| 01/25/13 | 14.120 | 1600 | 13.608 | 13.000 | 0145 | 96 |
| 01/26/13 | 13.950 | 1415 | 13.696 | 13.070 | 2000 | 96 |
| 01/27/13 | 14.120 | 1515 | 13.711 | 13.420 | 0215 | 96 |
| 01/28/13 | 14.160 | 1415 | 13.946 | 13.520 | 0945 | 96 |
| 01/29/13 | 14.520 | 1530 | 13.727 | 12.590 | 0745 | 96 |
| 01/30/13 | 13.390 | 0015 | 12.131 | 10.820 | 1800 | 96 |
| 01/31/13 | 13.640 | 0500 | 12.448 | 10.050 | 1930 | 96 |
| AVERAGE | 14.129 | | 13.032 | 11.981 | | |
| STD DEV.: | 2.032 | | 1.483 | 1.008 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR January 2013

STATION: N5

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 01/01/13 | 6.985 | 1900 | 6.942 | 6.870 | 0000 | 96 |
| 01/02/13 | 7.114 | 1300 | 6.941 | 6.872 | 0015 | 96 |
| 01/03/13 | 7.014 | 1145 | 6.958 | 6.900 | 1900 | 96 |
| 01/04/13 | 6.978 | 0045 | 6.926 | 6.884 | 1330 | 96 |
| 01/05/13 | 6.921 | 2215 | 6.902 | 6.868 | 0800 | 96 |
| 01/06/13 | 6.943 | 0600 | 6.918 | 6.871 | 0115 | 96 |
| 01/07/13 | 6.936 | 0730 | 6.924 | 6.907 | 1600 | 96 |
| 01/08/13 | 6.975 | 0845 | 6.920 | 6.881 | 1545 | 96 |
| 01/09/13 | 6.940 | 0715 | 6.922 | 6.903 | 1530 | 96 |
| 01/10/13 | 7.147 | 1000 | 6.944 | 6.917 | 0045 | 96 |
| 01/11/13 | 6.981 | 2230 | 6.962 | 6.940 | 0200 | 96 |
| 01/12/13 | 6.985 | 0015 | 6.975 | 6.960 | 1715 | 96 |
| 01/13/13 | 6.984 | 2130 | 6.973 | 6.964 | 1830 | 96 |
| 01/14/13 | 6.994 | 1945 | 6.976 | 6.956 | 1430 | 96 |
| 01/15/13 | 7.012 | 1845 | 6.990 | 6.974 | 1115 | 96 |
| 01/16/13 | 7.034 | 1815 | 7.020 | 7.007 | 0230 | 96 |
| 01/17/13 | 7.031 | 1030 | 7.014 | 6.997 | 1430 | 96 |
| 01/18/13 | 7.056 | 0900 | 7.030 | 7.009 | 2300 | 96 |
| 01/19/13 | 7.022 | 0530 | 6.987 | 6.945 | 1300 | 96 |
| 01/20/13 | 7.045 | 0800 | 6.994 | 6.949 | 1400 | 96 |
| 01/21/13 | 7.063 | 0630 | 6.990 | 6.911 | 1330 | 96 |
| 01/22/13 | 7.150 | 1145 | 7.037 | 6.606 | 0900 | 61 |
| 01/23/13 | 7.136 | 2130 | 7.101 | 7.051 | 0200 | 96 |
| 01/24/13 | 7.130 | 1030 | 7.104 | 7.068 | 2345 | 96 |
| 01/25/13 | 7.136 | 1415 | 7.099 | 7.066 | 0145 | 96 |
| 01/26/13 | 7.136 | 2245 | 7.113 | 7.093 | 0345 | 96 |
| 01/27/13 | 7.149 | 1145 | 7.129 | 7.114 | 1945 | 96 |
| 01/28/13 | 7.153 | 1245 | 7.137 | 7.123 | 0245 | 96 |
| 01/29/13 | 7.125 | 2045 | 7.111 | 7.092 | 0945 | 96 |
| 01/30/13 | 7.140 | 1115 | 7.115 | 7.089 | 0000 | 96 |
| 01/31/13 | 7.143 | 1130 | 7.103 | 7.044 | 0745 | 96 |
| AVERAGE | 7.050 | | 7.008 | 6.962 | | |
| STD DEV.: | 0.078 | | 0.076 | 0.105 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR February 2013

STATION: Zero

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 02/01/13 | 7.219 | 1945 | 7.177 | 7.130 | 0115 | 96 |
| 02/02/13 | 7.175 | 0115 | 7.088 | 7.018 | 0000 | 96 |
| 02/03/13 | 7.034 | 0100 | 6.926 | 6.872 | 2315 | 96 |
| 02/04/13 | 6.936 | 2145 | 6.903 | 6.867 | 0130 | 96 |
| 02/05/13 | 6.958 | 0445 | 6.902 | 6.870 | 1600 | 96 |
| 02/06/13 | 7.185 | 1345 | 6.874 | 6.828 | 1715 | 96 |
| 02/07/13 | 6.908 | 0930 | 6.883 | 6.850 | 0500 | 96 |
| 02/08/13 | 6.959 | 0000 | 6.918 | 6.895 | 0600 | 96 |
| 02/09/13 | 7.005 | 1815 | 6.977 | 6.957 | 0015 | 96 |
| 02/10/13 | 6.961 | 0015 | 6.931 | 6.911 | 1600 | 96 |
| 02/11/13 | 6.969 | 1500 | 6.955 | 6.939 | 0030 | 96 |
| 02/12/13 | 7.010 | 1345 | 6.982 | 6.957 | 0600 | 96 |
| 02/13/13 | 7.116 | 1115 | 6.935 | 6.827 | 1845 | 96 |
| 02/14/13 | 6.877 | 1300 | 6.853 | 6.839 | 1715 | 96 |
| 02/15/13 | 6.875 | 0315 | 6.853 | 6.833 | 1700 | 96 |
| 02/16/13 | 6.906 | 1200 | 6.881 | 6.864 | 0430 | 96 |
| 02/17/13 | 6.992 | 1715 | 6.953 | 6.895 | 0315 | 96 |
| 02/18/13 | 6.982 | 0315 | 6.955 | 6.926 | 2245 | 96 |
| 02/19/13 | 6.953 | 0330 | 6.911 | 6.889 | 1100 | 96 |
| 02/20/13 | 6.985 | 0800 | 6.938 | 6.915 | 2045 | 96 |
| 02/21/13 | 6.999 | 1600 | 6.960 | 6.921 | 0215 | 96 |
| 02/22/13 | 6.966 | 0400 | 6.945 | 6.931 | 1745 | 96 |
| 02/23/13 | 6.991 | 1515 | 6.967 | 6.937 | 0015 | 96 |
| 02/24/13 | 7.004 | 1315 | 6.982 | 6.952 | 0415 | 96 |
| 02/25/13 | 6.994 | 1645 | 6.980 | 6.971 | 0015 | 96 |
| 02/26/13 | 7.005 | 1545 | 6.992 | 6.966 | 2300 | 96 |
| 02/27/13 | 7.067 | 1600 | 7.021 | 6.986 | 0015 | 96 |
| 02/28/13 | 7.052 | 0730 | 7.034 | 7.005 | 1430 | 96 |
| AVERAGE | 7.003 | | 6.953 | 6.920 | | |
| STD DEV.: | 0.085 | | 0.070 | 0.068 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR February 2013

STATION: Zero

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 02/01/13 | 13.480 | 1230 | 12.937 | 11.690 | 0330 | 96 |
| 02/02/13 | 13.640 | 1700 | 13.075 | 12.100 | 1000 | 96 |
| 02/03/13 | 13.840 | 2200 | 12.867 | 10.780 | 0745 | 96 |
| 02/04/13 | 13.710 | 0100 | 13.088 | 11.690 | 0915 | 96 |
| 02/05/13 | 14.060 | 1515 | 13.482 | 12.140 | 0345 | 96 |
| 02/06/13 | 14.600 | 1415 | 14.129 | 13.700 | 0245 | 96 |
| 02/07/13 | 14.500 | 1500 | 13.796 | 12.510 | 0630 | 96 |
| 02/08/13 | 14.320 | 0015 | 13.745 | 12.800 | 1015 | 96 |
| 02/09/13 | 13.540 | 2345 | 12.954 | 12.370 | 1730 | 96 |
| 02/10/13 | 14.980 | 1500 | 14.233 | 13.550 | 0015 | 96 |
| 02/11/13 | 14.380 | 0015 | 14.120 | 13.960 | 0930 | 96 |
| 02/12/13 | 14.290 | 0945 | 14.043 | 13.730 | 2015 | 96 |
| 02/13/13 | 14.700 | 1330 | 14.229 | 13.370 | 0345 | 96 |
| 02/14/13 | 14.630 | 1545 | 14.056 | 12.790 | 0345 | 96 |
| 02/15/13 | 15.030 | 1415 | 14.164 | 13.100 | 0300 | 96 |
| 02/16/13 | 14.450 | 1545 | 13.545 | 12.330 | 0815 | 96 |
| 02/17/13 | 13.640 | 0530 | 12.585 | 11.840 | 0845 | 96 |
| 02/18/13 | 14.320 | 1445 | 13.688 | 13.100 | 0345 | 96 |
| 02/19/13 | 14.640 | 1315 | 14.124 | 12.600 | 0315 | 96 |
| 02/20/13 | 14.510 | 0015 | 13.485 | 11.980 | 0700 | 96 |
| 02/21/13 | 14.200 | 1430 | 13.842 | 13.130 | 0315 | 96 |
| 02/22/13 | 14.880 | 1430 | 14.168 | 13.360 | 0345 | 96 |
| 02/23/13 | 14.210 | 0015 | 12.643 | 12.130 | 2115 | 96 |
| 02/24/13 | 13.570 | 0400 | 12.325 | 11.810 | 1015 | 96 |
| 02/25/13 | 13.030 | 1415 | 12.422 | 12.140 | 0730 | 96 |
| 02/26/13 | 13.970 | 1130 | 12.683 | 12.170 | 0730 | 96 |
| 02/27/13 | 14.090 | 1215 | 13.086 | 12.190 | 0645 | 96 |
| 02/28/13 | 14.730 | 1400 | 13.104 | 12.200 | 0730 | 96 |
| AVERAGE | 14.212 | | 13.451 | 12.545 | | |
| STD DEV.: | 0.507 | | 0.622 | 0.752 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR February 2013

STATION: N5

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 02/01/13 | 7.189 | 0530 | 7.161 | 7.120 | 0000 | 96 |
| 02/02/13 | 7.118 | 0015 | 7.053 | 6.917 | 1245 | 86 |
| 02/03/13 | 6.980 | 0015 | 6.901 | 6.875 | 1300 | 96 |
| 02/04/13 | 7.051 | 2045 | 6.890 | 6.853 | 0000 | 84 |
| 02/05/13 | 7.110 | 2315 | 7.056 | 6.743 | 0815 | 64 |
| 02/06/13 | 7.129 | 0000 | 7.106 | 7.081 | 1400 | 96 |
| 02/07/13 | 7.168 | 2345 | 7.137 | 7.115 | 1245 | 96 |
| 02/08/13 | 7.178 | 0545 | 7.148 | 7.117 | 1445 | 96 |
| 02/09/13 | 7.160 | 2215 | 7.154 | 7.148 | 0845 | 96 |
| 02/10/13 | 7.192 | 2245 | 7.141 | 7.122 | 1445 | 96 |
| 02/11/13 | 7.204 | 2045 | 7.173 | 7.154 | 1415 | 96 |
| 02/12/13 | 7.221 | 2330 | 7.200 | 7.188 | 1000 | 96 |
| 02/13/13 | 7.340 | 0945 | 7.091 | 6.921 | 1415 | 83 |
| 02/14/13 | 6.999 | 2315 | 6.980 | 6.954 | 0100 | 96 |
| 02/15/13 | 7.024 | 1030 | 7.001 | 6.980 | 1615 | 96 |
| 02/16/13 | 7.040 | 2345 | 7.022 | 7.005 | 1630 | 96 |
| 02/17/13 | 7.063 | 2345 | 7.052 | 7.036 | 0015 | 96 |
| 02/18/13 | 7.102 | 1115 | 7.079 | 7.061 | 2330 | 96 |
| 02/19/13 | 7.097 | 2300 | 7.069 | 7.046 | 0215 | 96 |
| 02/20/13 | 7.305 | 1015 | 7.073 | 7.030 | 1045 | 96 |
| 02/21/13 | 7.125 | 0000 | 7.093 | 6.968 | 1430 | 96 |
| 02/22/13 | 7.155 | 0845 | 7.138 | 7.126 | 0015 | 96 |
| 02/23/13 | 7.153 | 1115 | 7.134 | 7.085 | 2145 | 96 |
| 02/24/13 | 7.141 | 0930 | 7.132 | 7.120 | 1715 | 96 |
| 02/25/13 | 7.143 | 0845 | 7.133 | 7.119 | 1745 | 96 |
| 02/26/13 | 7.164 | 2345 | 7.147 | 7.132 | 1515 | 96 |
| 02/27/13 | 7.196 | 2330 | 7.175 | 7.154 | 0800 | 96 |
| 02/28/13 | 7.200 | 0115 | 7.162 | 7.136 | 1715 | 96 |
| AVERAGE | 7.141 | | 7.093 | 7.047 | | |
| STD DEV.: | 0.082 | | 0.078 | 0.109 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR March 2013

STATION: Zero

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 03/01/13 | 7.081 | 1615 | 7.055 | 7.032 | 0745 | 96 |
| 03/02/13 | 7.078 | 1345 | 7.066 | 7.052 | 0615 | 96 |
| 03/03/13 | 7.104 | 0000 | 7.075 | 7.034 | 0730 | 96 |
| 03/04/13 | 7.121 | 1000 | 7.101 | 7.075 | 1430 | 96 |
| 03/05/13 | 7.108 | 0845 | 7.083 | 7.038 | 2345 | 96 |
| 03/06/13 | 7.101 | 1015 | 7.067 | 7.050 | 0030 | 96 |
| 03/07/13 | 7.109 | 0945 | 7.077 | 7.051 | 0130 | 96 |
| 03/08/13 | 7.123 | 1815 | 7.096 | 7.074 | 2215 | 96 |
| 03/09/13 | 7.117 | 0745 | 7.085 | 7.052 | 2330 | 96 |
| 03/10/13 | 7.100 | 0615 | 7.081 | 7.060 | 2315 | 96 |
| 03/11/13 | 7.107 | 1645 | 7.089 | 7.064 | 0030 | 96 |
| 03/12/13 | 7.106 | 1845 | 7.091 | 7.077 | 2245 | 96 |
| 03/13/13 | 7.155 | 0000 | 7.104 | 7.083 | 0915 | 95 |
| 03/14/13 | 7.160 | 0015 | 7.104 | 7.055 | 1615 | 96 |
| 03/15/13 | 7.121 | 0015 | 6.982 | 6.863 | 2200 | 96 |
| 03/16/13 | 6.938 | 1100 | 6.909 | 6.859 | 0145 | 96 |
| 03/17/13 | 6.964 | 2245 | 6.913 | 6.878 | 1430 | 96 |
| 03/18/13 | 6.956 | 0930 | 6.918 | 6.895 | 1200 | 96 |
| 03/19/13 | 6.978 | 0000 | 6.934 | 6.901 | 0445 | 96 |
| 03/20/13 | 6.999 | 1100 | 6.975 | 6.957 | 1730 | 96 |
| 03/21/13 | 7.234 | 0930 | 6.999 | 6.791 | 1715 | 96 |
| 03/22/13 | 6.882 | 0045 | 6.826 | 6.775 | 2130 | 96 |
| 03/23/13 | 6.842 | 2130 | 6.803 | 6.755 | 0945 | 96 |
| 03/24/13 | 6.904 | 1230 | 6.828 | 6.747 | 0245 | 96 |
| 03/25/13 | 6.761 | 0015 | 6.722 | 6.692 | 2045 | 96 |
| 03/26/13 | 6.763 | 2330 | 6.739 | 6.713 | 0015 | 96 |
| 03/27/13 | 6.776 | 2145 | 6.752 | 6.722 | 1000 | 96 |
| 03/28/13 | 6.775 | 0015 | 6.757 | 6.736 | 0430 | 96 |
| 03/29/13 | 6.788 | 2245 | 6.761 | 6.745 | 0145 | 96 |
| 03/30/13 | 7.074 | 2045 | 6.935 | 6.763 | 0115 | 89 |
| AVERAGE | 7.011 | | 6.964 | 6.920 | | |
| STD DEV.: | 0.140 | | 0.133 | 0.143 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR March 2013

STATION: Zero

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 03/01/13 | 12.710 | 0730 | 12.174 | 11.670 | 1130 | 96 |
| 03/02/13 | 12.550 | 1400 | 12.273 | 11.960 | 0700 | 96 |
| 03/03/13 | 13.310 | 0715 | 12.454 | 12.100 | 2345 | 96 |
| 03/04/13 | 14.040 | 1400 | 12.730 | 11.880 | 0715 | 96 |
| 03/05/13 | 14.570 | 1315 | 13.175 | 12.040 | 0730 | 96 |
| 03/06/13 | 15.130 | 1630 | 13.937 | 12.490 | 0730 | 96 |
| 03/07/13 | 15.610 | 1715 | 14.770 | 13.270 | 0915 | 96 |
| 03/08/13 | 15.120 | 0015 | 14.524 | 13.490 | 0930 | 96 |
| 03/09/13 | 15.020 | 1315 | 13.914 | 12.710 | 0730 | 96 |
| 03/10/13 | 15.670 | 2345 | 13.985 | 12.810 | 0745 | 96 |
| 03/11/13 | 15.580 | 0015 | 14.364 | 13.340 | 0800 | 96 |
| 03/12/13 | 15.240 | 1415 | 14.432 | 13.870 | 0515 | 96 |
| 03/13/13 | 14.660 | 1030 | 14.062 | 13.590 | 0715 | 96 |
| 03/14/13 | 13.810 | 1415 | 12.917 | 11.770 | 2045 | 96 |
| 03/15/13 | 14.720 | 2215 | 13.471 | 11.380 | 0715 | 96 |
| 03/16/13 | 14.670 | 0000 | 13.378 | 12.490 | 0800 | 96 |
| 03/17/13 | 14.900 | 1415 | 13.949 | 12.960 | 2115 | 96 |
| 03/18/13 | 14.870 | 1130 | 14.081 | 13.000 | 0445 | 96 |
| 03/19/13 | 14.750 | 0015 | 13.933 | 13.440 | 1015 | 96 |
| 03/20/13 | 14.700 | 1630 | 13.994 | 13.150 | 0900 | 96 |
| 03/21/13 | 14.440 | 0015 | 7.344 | 4.350 | 0815 | 96 |
| 03/22/13 | 13.630 | 1545 | 11.284 | 7.239 | 0400 | 96 |
| 03/23/13 | 13.410 | 1715 | 12.766 | 12.370 | 0715 | 96 |
| 03/24/13 | 14.400 | 0000 | 9.382 | 6.968 | 0900 | 96 |
| 03/25/13 | 15.340 | 2115 | 14.699 | 13.780 | 0645 | 96 |
| 03/26/13 | 14.840 | 1300 | 14.334 | 14.000 | 0700 | 96 |
| 03/27/13 | 15.150 | 2315 | 14.576 | 14.100 | 0600 | 96 |
| 03/28/13 | 14.940 | 0015 | 14.799 | 14.680 | 0200 | 96 |
| 03/29/13 | 15.310 | 2145 | 14.921 | 14.470 | 0745 | 96 |
| 03/30/13 | 15.240 | 0015 | 6.713 | 4.670 | 0000 | 96 |
| 03/31/13 | 6.067 | 1415 | 4.889 | 3.966 | 0700 | 96 |
| AVERAGE | 14.335 | | 12.846 | 11.742 | | |
| STD DEV.: | 1.731 | | 2.489 | 2.983 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR March 2013

STATION: N5

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 03/01/13 | 7.155 | 0830 | 7.140 | 7.124 | 1545 | 96 |
| 03/02/13 | 7.167 | 2130 | 7.149 | 7.137 | 1430 | 96 |
| 03/03/13 | 7.192 | 2300 | 7.170 | 7.156 | 0145 | 96 |
| 03/04/13 | 7.207 | 1045 | 6.996 | 6.801 | 1600 | 96 |
| 03/05/13 | 6.842 | 1000 | 6.823 | 6.805 | 1630 | 96 |
| 03/06/13 | 6.819 | 1015 | 6.803 | 6.775 | 1800 | 96 |
| 03/07/13 | 6.832 | 2245 | 6.806 | 6.785 | 0345 | 96 |
| 03/08/13 | 6.853 | 1045 | 6.833 | 6.818 | 0045 | 96 |
| 03/09/13 | 6.842 | 0230 | 6.811 | 6.776 | 1615 | 96 |
| 03/10/13 | 6.812 | 0715 | 6.790 | 6.768 | 1415 | 96 |
| 03/11/13 | 6.798 | 0915 | 6.786 | 6.717 | 0000 | 78 |
| 03/12/13 | 7.084 | 1100 | 6.955 | 6.684 | 1015 | 55 |
| 03/13/13 | 7.090 | 0745 | 6.986 | 6.931 | 0915 | 96 |
| 03/14/13 | 7.013 | 0245 | 6.943 | 6.898 | 2230 | 96 |
| 03/15/13 | 6.937 | 0000 | 6.776 | 6.698 | 1745 | 96 |
| 03/16/13 | 6.788 | 0900 | 6.767 | 6.744 | 0045 | 96 |
| 03/17/13 | 6.845 | 1530 | 6.821 | 6.774 | 0015 | 96 |
| 03/18/13 | 6.847 | 0430 | 6.823 | 6.800 | 2200 | 96 |
| 03/19/13 | 6.894 | 2315 | 6.849 | 6.808 | 0100 | 96 |
| 03/20/13 | 6.899 | 0700 | 6.884 | 6.866 | 2230 | 96 |
| 03/21/13 | 7.027 | 2200 | 6.902 | 6.878 | 0015 | 96 |
| 03/22/13 | 7.011 | 0100 | 6.972 | 6.948 | 1200 | 63 |
| 03/25/13 | 6.948 | 0715 | 6.883 | 6.864 | 1230 | 42 |
| 03/26/13 | 6.955 | 0815 | 6.888 | 6.801 | 0730 | 67 |
| 03/27/13 | 7.182 | 1030 | 6.894 | 6.861 | 1315 | 96 |
| 03/28/13 | 6.907 | 1600 | 6.897 | 6.882 | 1045 | 96 |
| 03/29/13 | 6.915 | 1830 | 6.898 | 6.869 | 1245 | 96 |
| 03/30/13 | 7.076 | 2100 | 7.004 | 6.906 | 0115 | 96 |
| 03/31/13 | 7.047 | 2200 | 6.977 | 6.857 | 0600 | 96 |
| AVERAGE | 6.965 | | 6.904 | 6.853 | | |
| STD DEV.: | 0.134 | | 0.111 | 0.119 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2013

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 04/11/13 | 13.11 | 0900 | 12.57 | 12.12 | 1945 | 63 |
| 04/12/13 | 12.81 | 0100 | 10.98 | 9.20 | 1215 | 85 |
| 04/13/13 | 10.79 | 0830 | 10.09 | 9.66 | 0400 | 96 |
| 04/14/13 | 10.66 | 1115 | 10.14 | 9.83 | 0115 | 96 |
| 04/15/13 | 12.11 | 1615 | 10.66 | 9.61 | 0015 | 96 |
| 04/16/13 | 12.25 | 1245 | 11.68 | 10.79 | 0630 | 96 |
| 04/17/13 | 11.73 | 0215 | 10.83 | 9.97 | 1300 | 96 |
| 04/18/13 | 11.03 | 1100 | 10.52 | 9.73 | 2245 | 96 |
| 04/19/13 | 11.24 | 1900 | 10.73 | 9.91 | 0315 | 96 |
| 04/20/13 | 10.70 | 0015 | 9.89 | 9.14 | 2000 | 96 |
| 04/21/13 | 10.99 | 1030 | 10.15 | 9.26 | 0430 | 96 |
| 04/22/13 | 10.25 | 1630 | 9.78 | 9.33 | 1945 | 96 |
| 04/23/13 | 12.14 | 1215 | 10.90 | 9.42 | 0945 | 96 |
| 04/24/13 | 12.74 | 2130 | 12.13 | 11.07 | 0515 | 96 |
| 04/25/13 | 12.79 | 1100 | 11.94 | 11.03 | 0300 | 96 |
| 04/26/13 | 12.30 | 1515 | 11.68 | 10.83 | 0800 | 96 |
| 04/27/13 | 12.40 | 1730 | 11.54 | 10.14 | 0930 | 96 |
| 04/28/13 | 12.39 | 1300 | 11.18 | 9.19 | 1900 | 96 |
| 04/29/13 | 11.85 | 1130 | 10.72 | 8.78 | 2300 | 96 |
| 04/30/13 | 12.91 | 1000 | 10.96 | 9.48 | 2015 | 96 |
| AVERAGE | 11.860 | | 10.954 | 9.925 | | |
| STD DEV.: | 0.878 | | 0.774 | 0.841 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR April 2013

STATION: Zero

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 04/01/13 | 7.138 | 0815 | 7.043 | 6.992 | 2045 | 66 |
| 04/02/13 | 7.038 | 0045 | 7.017 | 6.996 | 0000 | 96 |
| 04/03/13 | 6.995 | 0015 | 6.925 | 6.876 | 1630 | 96 |
| 04/04/13 | 6.933 | 2300 | 6.891 | 6.804 | 1400 | 96 |
| 04/05/13 | 6.940 | 0100 | 6.837 | 6.762 | 1215 | 96 |
| 04/06/13 | 6.983 | 2030 | 6.942 | 6.859 | 0500 | 96 |
| 04/07/13 | 6.981 | 2315 | 6.950 | 6.892 | 1515 | 96 |
| 04/08/13 | 6.982 | 1115 | 6.924 | 6.831 | 2230 | 96 |
| 04/09/13 | 6.995 | 1545 | 6.908 | 6.849 | 0030 | 96 |
| 04/10/13 | 6.927 | 1700 | 6.901 | 6.876 | 0845 | 96 |
| 04/11/13 | 6.991 | 1745 | 6.931 | 6.869 | 0730 | 96 |
| 04/12/13 | 6.992 | 2115 | 6.960 | 6.912 | 0400 | 96 |
| 04/13/13 | 6.970 | 1245 | 6.940 | 6.888 | 1945 | 96 |
| 04/14/13 | 6.980 | 1545 | 6.922 | 6.856 | 1115 | 96 |
| 04/15/13 | 6.982 | 1115 | 6.919 | 6.844 | 1100 | 96 |
| 04/16/13 | 6.931 | 1600 | 6.907 | 6.865 | 2245 | 96 |
| 04/17/13 | 6.956 | 1015 | 6.897 | 6.820 | 0215 | 96 |
| 04/18/13 | 6.951 | 2315 | 6.907 | 6.835 | 1415 | 96 |
| 04/19/13 | 6.943 | 1945 | 6.901 | 6.853 | 1200 | 96 |
| 04/20/13 | 7.030 | 1930 | 6.951 | 6.877 | 0200 | 96 |
| 04/21/13 | 7.016 | 0215 | 6.958 | 6.884 | 0715 | 96 |
| 04/22/13 | 6.981 | 1945 | 6.946 | 6.893 | 1500 | 96 |
| 04/23/13 | 6.960 | 0145 | 6.919 | 6.883 | 0000 | 96 |
| 04/24/13 | 6.884 | 0045 | 6.837 | 6.709 | 1545 | 96 |
| 04/25/13 | 6.916 | 1930 | 6.859 | 6.749 | 0930 | 96 |
| 04/26/13 | 6.914 | 2200 | 6.870 | 6.821 | 1400 | 96 |
| 04/27/13 | 6.891 | 0015 | 6.782 | 6.675 | 1430 | 96 |
| 04/28/13 | 6.883 | 2315 | 6.803 | 6.733 | 1400 | 96 |
| 04/29/13 | 6.850 | 0045 | 6.791 | 6.729 | 1200 | 96 |
| 04/30/13 | 6.871 | 2130 | 6.780 | 6.585 | 0945 | 96 |
| AVERAGE | 6.960 | | 6.904 | 6.834 | | |
| STD DEV.: | 0.058 | | 0.063 | 0.087 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2013

STATION: Zero

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 04/01/13 | 6.833 | 1730 | 5.470 | 4.317 | 0800 | 96 |
| 04/02/13 | 9.360 | 2345 | 7.233 | 5.614 | 0745 | 96 |
| 04/03/13 | 12.560 | 1530 | 11.280 | 9.370 | 0015 | 96 |
| 04/04/13 | 12.220 | 1400 | 10.483 | 7.085 | 2015 | 96 |
| 04/05/13 | 8.520 | 1930 | 7.401 | 6.553 | 0715 | 96 |
| 04/06/13 | 7.689 | 1530 | 6.193 | 4.547 | 0730 | 96 |
| 04/07/13 | 6.974 | 1530 | 6.412 | 4.934 | 0700 | 96 |
| 04/08/13 | 8.450 | 2315 | 6.664 | 5.103 | 0945 | 96 |
| 04/09/13 | 8.480 | 0030 | 7.065 | 5.883 | 1345 | 96 |
| 04/10/13 | 7.951 | 1900 | 7.147 | 6.329 | 0845 | 96 |
| 04/11/13 | 9.600 | 1530 | 7.736 | 6.537 | 0915 | 92 |
| 04/12/13 | 8.690 | 0015 | 6.940 | 5.490 | 2345 | 96 |
| 04/13/13 | 8.330 | 1815 | 6.435 | 5.085 | 0815 | 96 |
| 04/14/13 | 7.919 | 0145 | 6.637 | 5.597 | 0445 | 96 |
| 04/15/13 | 7.306 | 0400 | 6.281 | 5.762 | 0715 | 93 |
| 04/16/13 | 7.525 | 1445 | 6.584 | 5.701 | 0645 | 93 |
| 04/17/13 | 9.060 | 2200 | 7.818 | 6.818 | 0530 | 96 |
| 04/18/13 | 9.230 | 1445 | 8.589 | 7.996 | 0600 | 96 |
| 04/19/13 | 9.980 | 2230 | 9.311 | 8.650 | 0100 | 96 |
| 04/20/13 | 10.440 | 1500 | 9.909 | 9.440 | 0000 | 96 |
| 04/21/13 | 9.850 | 2130 | 9.111 | 8.370 | 0815 | 96 |
| 04/22/13 | 9.730 | 0100 | 9.241 | 8.810 | 2315 | 96 |
| 04/23/13 | 9.260 | 0145 | 8.369 | 7.798 | 2330 | 96 |
| 04/24/13 | 9.970 | 1745 | 8.708 | 7.674 | 0715 | 96 |
| 04/25/13 | 10.800 | 1715 | 9.966 | 9.240 | 0830 | 96 |
| 04/26/13 | 11.020 | 1515 | 10.447 | 9.920 | 0815 | 96 |
| 04/27/13 | 11.130 | 1900 | 10.495 | 9.830 | 0630 | 96 |
| 04/28/13 | 12.010 | 1500 | 11.206 | 10.390 | 0600 | 96 |
| 04/29/13 | 12.820 | 1500 | 12.147 | 11.790 | 0130 | 96 |
| 04/30/13 | 13.840 | 1700 | 13.112 | 12.410 | 0030 | 96 |
| AVERAGE | 9.585 | | 8.480 | 7.435 | | |
| STD DEV.: | 1.826 | | 1.999 | 2.177 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2013

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 04/10/13 | 12.88 | 2315 | 12.75 | 12.59 | 1530 | 38 |
| 04/11/13 | 12.98 | 0530 | 12.68 | 11.08 | 1245 | 85 |
| 04/12/13 | 13.36 | 2145 | 13.03 | 12.02 | 0630 | 96 |
| 04/13/13 | 13.44 | 1045 | 13.30 | 13.09 | 2345 | 96 |
| 04/14/13 | 13.28 | 0600 | 13.03 | 12.72 | 1800 | 96 |
| 04/15/13 | 13.06 | 0900 | 12.92 | 12.72 | 2315 | 92 |
| 04/16/13 | 12.95 | 1145 | 12.61 | 12.12 | 2200 | 96 |
| 04/17/13 | 12.18 | 0245 | 11.17 | 10.55 | 2215 | 96 |
| 04/18/13 | 10.77 | 1200 | 10.63 | 10.46 | 0230 | 96 |
| 04/19/13 | 10.62 | 1215 | 10.44 | 10.09 | 0000 | 96 |
| 04/20/13 | 10.16 | 0145 | 9.92 | 9.66 | 1945 | 96 |
| 04/21/13 | 10.64 | 1345 | 10.36 | 9.76 | 0015 | 96 |
| 04/22/13 | 12.23 | 1530 | 11.19 | 10.28 | 0215 | 96 |
| 04/23/13 | 11.91 | 0130 | 11.71 | 11.36 | 0000 | 96 |
| 04/24/13 | 11.50 | 0015 | 11.19 | 10.81 | 1845 | 96 |
| 04/25/13 | 11.17 | 1000 | 10.81 | 10.28 | 0000 | 96 |
| 04/26/13 | 11.83 | 1530 | 10.87 | 10.11 | 0615 | 96 |
| 04/27/13 | 11.68 | 1430 | 11.30 | 10.82 | 2345 | 96 |
| 04/28/13 | 11.56 | 1100 | 11.05 | 10.53 | 2330 | 96 |
| 04/29/13 | 11.15 | 1645 | 10.65 | 10.22 | 0315 | 96 |
| 04/30/13 | 11.40 | 1445 | 10.70 | 9.81 | 0900 | 96 |
| AVERAGE | 11.940 | | 11.539 | 11.004 | | |
| STD DEV.: | 1.008 | | 1.063 | 1.096 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2013

STATION: N5

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 04/01/13 | 7.034 | 0100 | 6.952 | 6.872 | 0700 | 96 |
| 04/02/13 | 7.029 | 0400 | 6.999 | 6.939 | 0215 | 72 |
| 04/03/13 | 6.989 | 0730 | 6.968 | 6.942 | 0700 | 69 |
| 04/04/13 | 6.980 | 0130 | 6.945 | 6.914 | 2215 | 96 |
| 04/05/13 | 6.934 | 0100 | 6.888 | 6.800 | 0000 | 96 |
| 04/06/13 | 6.932 | 2100 | 6.885 | 6.785 | 0545 | 96 |
| 04/07/13 | 6.934 | 0830 | 6.890 | 6.799 | 0345 | 96 |
| 04/08/13 | 6.935 | 1345 | 6.896 | 6.805 | 0615 | 96 |
| 04/09/13 | 6.927 | 2145 | 6.888 | 6.748 | 0645 | 96 |
| 04/10/13 | 7.106 | 1645 | 6.982 | 6.835 | 0445 | 82 |
| 04/11/13 | 7.099 | 0100 | 6.963 | 6.738 | 1145 | 96 |
| 04/12/13 | 6.871 | 0045 | 6.822 | 6.794 | 2000 | 96 |
| 04/13/13 | 6.844 | 1830 | 6.812 | 6.788 | 0730 | 96 |
| 04/14/13 | 6.858 | 1800 | 6.820 | 6.701 | 0930 | 96 |
| 04/15/13 | 6.875 | 1145 | 6.843 | 6.754 | 0900 | 96 |
| 04/16/13 | 6.882 | 0230 | 6.853 | 6.776 | 0915 | 96 |
| 04/17/13 | 8.190 | 1345 | 6.860 | 6.806 | 0830 | 96 |
| 04/18/13 | 6.880 | 0230 | 6.856 | 6.813 | 0730 | 81 |
| 04/19/13 | 6.875 | 1000 | 6.844 | 6.802 | 0700 | 69 |
| 04/20/13 | 6.869 | 1945 | 6.842 | 6.815 | 0900 | 96 |
| 04/21/13 | 6.872 | 0015 | 6.829 | 6.793 | 1615 | 96 |
| 04/22/13 | 6.820 | 0045 | 6.747 | 6.702 | 1015 | 96 |
| 04/23/13 | 6.792 | 2130 | 6.761 | 6.732 | 0115 | 96 |
| 04/24/13 | 6.830 | 1400 | 6.795 | 6.766 | 1030 | 96 |
| 04/25/13 | 6.873 | 1745 | 6.819 | 6.762 | 0915 | 96 |
| 04/26/13 | 6.888 | 2300 | 6.858 | 6.819 | 1400 | 96 |
| 04/27/13 | 6.891 | 1245 | 6.865 | 6.842 | 1945 | 96 |
| 04/28/13 | 6.895 | 2215 | 6.870 | 6.839 | 1100 | 96 |
| 04/29/13 | 6.901 | 1900 | 6.874 | 6.843 | 1045 | 96 |
| 04/30/13 | 7.015 | 1015 | 6.876 | 6.789 | 1100 | 96 |
| AVERAGE | 6.961 | | 6.870 | 6.804 | | |
| STD DEV.: | 0.245 | | 0.061 | 0.059 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2013

STATION: N10

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 04/09/13 | 7.092 | 2345 | 6.612 | 4.097 | 0900 | 57 |
| 04/10/13 | 7.188 | 1500 | 6.948 | 6.678 | 0830 | 96 |
| 04/11/13 | 6.875 | 0015 | 6.736 | 6.559 | 0000 | 96 |
| 04/12/13 | 6.537 | 0015 | 5.568 | 4.800 | 0000 | 96 |
| 04/13/13 | 4.942 | 1800 | 4.705 | 4.437 | 0715 | 96 |
| 04/14/13 | 5.439 | 1745 | 4.977 | 4.487 | 0600 | 96 |
| 04/15/13 | 5.755 | 2215 | 5.403 | 5.020 | 0630 | 96 |
| 04/16/13 | 6.754 | 0000 | 6.061 | 5.493 | 0615 | 96 |
| 04/17/13 | 8.280 | 2145 | 7.581 | 6.754 | 0015 | 96 |
| 04/18/13 | 8.780 | 0000 | 8.251 | 7.870 | 0615 | 96 |
| 04/19/13 | 9.670 | 0000 | 8.941 | 8.550 | 0745 | 96 |
| 04/20/13 | 9.920 | 1445 | 9.748 | 9.550 | 0715 | 96 |
| 04/21/13 | 9.540 | 0015 | 8.966 | 8.280 | 1045 | 96 |
| 04/22/13 | 9.460 | 0015 | 8.695 | 8.350 | 1015 | 96 |
| 04/23/13 | 8.640 | 0015 | 7.867 | 7.428 | 2230 | 96 |
| 04/24/13 | 9.260 | 0000 | 8.314 | 7.432 | 0015 | 96 |
| 04/25/13 | 10.240 | 1530 | 9.735 | 9.180 | 0600 | 96 |
| 04/26/13 | 10.650 | 1345 | 10.261 | 9.860 | 0630 | 96 |
| 04/27/13 | 10.650 | 1600 | 10.164 | 9.510 | 0630 | 96 |
| 04/28/13 | 12.180 | 1715 | 11.333 | 10.390 | 0545 | 96 |
| 04/29/13 | 13.070 | 1700 | 12.521 | 11.910 | 0645 | 96 |
| 04/30/13 | 13.700 | 1730 | 13.114 | 12.320 | 0700 | 96 |
| AVERAGE | 8.846 | | 8.295 | 7.680 | | |
| STD DEV.: | 2.391 | | 2.344 | 2.382 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR April 2013

STATION: S4

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 04/09/13 | 6.325 | 0000 | 6.149 | 4.759 | 1030 | 48 |
| 04/10/13 | 6.671 | 1500 | 6.367 | 6.048 | 0815 | 96 |
| 04/11/13 | 8.820 | 1245 | 6.118 | 5.931 | 0000 | 96 |
| 04/12/13 | 5.912 | 0015 | 4.930 | 4.147 | 0000 | 96 |
| 04/13/13 | 4.289 | 1930 | 4.078 | 3.774 | 0715 | 96 |
| 04/14/13 | 4.778 | 1730 | 4.356 | 3.856 | 0715 | 96 |
| 04/15/13 | 5.117 | 1600 | 4.775 | 4.332 | 0600 | 96 |
| 04/16/13 | 6.092 | 0000 | 5.449 | 4.791 | 0615 | 96 |
| 04/17/13 | 7.596 | 1430 | 6.928 | 6.085 | 0500 | 96 |
| 04/18/13 | 8.020 | 1315 | 7.630 | 7.123 | 0600 | 96 |
| 04/19/13 | 8.960 | 0000 | 8.375 | 7.952 | 0015 | 96 |
| 04/20/13 | 9.520 | 1445 | 9.130 | 8.810 | 0000 | 96 |
| 04/21/13 | 8.790 | 0015 | 8.267 | 7.948 | 0900 | 96 |
| 04/22/13 | 8.620 | 0015 | 8.084 | 7.820 | 2100 | 96 |
| 04/23/13 | 7.834 | 0045 | 7.238 | 6.733 | 2315 | 96 |
| 04/24/13 | 8.620 | 1530 | 7.758 | 6.729 | 0330 | 96 |
| 04/25/13 | 9.970 | 1445 | 9.210 | 8.480 | 0015 | 96 |
| 04/26/13 | 10.310 | 1245 | 9.666 | 9.090 | 0515 | 96 |
| 04/27/13 | 10.500 | 1500 | 9.720 | 8.910 | 0600 | 96 |
| 04/28/13 | 11.740 | 1545 | 10.671 | 9.500 | 0545 | 96 |
| 04/29/13 | 12.700 | 1500 | 11.855 | 11.070 | 0515 | 96 |
| 04/30/13 | 13.410 | 1500 | 12.543 | 11.750 | 0545 | 96 |
| AVERAGE | 8.391 | | 7.695 | 7.074 | | |
| STD DEV.: | 2.469 | | 2.349 | 2.286 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2013

STATION: Zero

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 05/01/13 | 12.98 | 1200 | 10.68 | 7.84 | 1945 | 96 |
| 05/02/13 | 11.67 | 1545 | 10.18 | 7.59 | 1815 | 96 |
| 05/03/13 | 11.42 | 1700 | 9.82 | 8.22 | 2100 | 96 |
| 05/04/13 | 11.03 | 1430 | 9.46 | 6.80 | 2130 | 96 |
| 05/05/13 | 10.90 | 1500 | 9.08 | 7.11 | 0245 | 96 |
| 05/06/13 | 10.87 | 1245 | 8.92 | 6.63 | 0230 | 96 |
| 05/07/13 | 11.04 | 1030 | 9.72 | 7.56 | 0500 | 96 |
| 05/08/13 | 10.93 | 1215 | 9.71 | 7.75 | 2015 | 96 |
| 05/09/13 | 11.05 | 0915 | 9.86 | 8.98 | 0030 | 96 |
| 05/10/13 | 10.92 | 1545 | 9.91 | 8.66 | 1930 | 96 |
| 05/11/13 | 10.33 | 0015 | 9.32 | 8.17 | 2300 | 96 |
| 05/12/13 | 10.68 | 1600 | 9.28 | 8.45 | 0415 | 96 |
| 05/13/13 | 10.10 | 1600 | 9.09 | 8.12 | 0315 | 96 |
| 05/14/13 | 10.47 | 1915 | 9.51 | 8.41 | 0545 | 96 |
| 05/15/13 | 10.74 | 1045 | 9.96 | 8.88 | 0245 | 96 |
| 05/16/13 | 10.77 | 1415 | 9.98 | 8.39 | 2245 | 96 |
| 05/17/13 | 10.62 | 1445 | 9.83 | 8.79 | 1745 | 96 |
| 05/18/13 | 10.62 | 1645 | 9.23 | 7.81 | 2330 | 96 |
| 05/19/13 | 10.83 | 1315 | 9.15 | 7.73 | 0445 | 96 |
| 05/20/13 | 9.84 | 1830 | 9.09 | 8.12 | 0400 | 96 |
| 05/21/13 | 9.88 | 1700 | 8.84 | 8.06 | 1030 | 96 |
| 05/22/13 | 10.70 | 1800 | 9.02 | 7.79 | 0530 | 96 |
| 05/23/13 | 10.31 | 1445 | 9.47 | 8.97 | 0545 | 96 |
| 05/24/13 | 10.17 | 1345 | 9.32 | 8.54 | 0700 | 96 |
| 05/25/13 | 9.30 | 0015 | 9.13 | 8.99 | 0715 | 96 |
| 05/26/13 | 9.79 | 1715 | 9.58 | 9.27 | 0045 | 96 |
| 05/27/13 | 9.69 | 0945 | 9.34 | 9.15 | 0730 | 96 |
| 05/28/13 | 10.00 | 2030 | 9.56 | 9.28 | 1245 | 96 |
| 05/29/13 | 10.53 | 1900 | 9.64 | 8.89 | 2345 | 96 |
| 05/30/13 | 9.07 | 0945 | 8.65 | 8.10 | 2330 | 96 |
| 05/31/13 | 8.19 | 1145 | 7.90 | 7.59 | 0245 | 96 |
| AVERAGE | 10.498 | | 9.426 | 8.214 | | |
| STD DEV.: | 0.849 | | 0.517 | 0.695 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR May 2013

STATION: Zero

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 05/01/13 | 6.875 | 0130 | 6.816 | 6.741 | 1130 | 96 |
| 05/02/13 | 6.919 | 1900 | 6.848 | 6.783 | 1045 | 96 |
| 05/03/13 | 6.884 | 2315 | 6.818 | 6.760 | 1045 | 96 |
| 05/04/13 | 6.881 | 2015 | 6.838 | 6.783 | 1530 | 96 |
| 05/05/13 | 6.875 | 1845 | 6.826 | 6.768 | 0330 | 96 |
| 05/06/13 | 6.877 | 1845 | 6.812 | 6.740 | 0515 | 96 |
| 05/07/13 | 6.816 | 0015 | 6.770 | 6.720 | 0945 | 96 |
| 05/08/13 | 6.890 | 2045 | 6.796 | 6.716 | 0115 | 96 |
| 05/09/13 | 6.962 | 1745 | 6.789 | 6.635 | 0845 | 96 |
| 05/10/13 | 6.903 | 1445 | 6.816 | 6.742 | 0415 | 96 |
| 05/11/13 | 6.825 | 1815 | 6.785 | 6.743 | 0300 | 96 |
| 05/12/13 | 7.006 | 2015 | 6.857 | 6.691 | 0445 | 96 |
| 05/13/13 | 6.981 | 1845 | 6.932 | 6.880 | 1015 | 96 |
| 05/14/13 | 7.004 | 1900 | 6.931 | 6.866 | 0515 | 96 |
| 05/15/13 | 6.962 | 1645 | 6.908 | 6.827 | 2300 | 96 |
| 05/16/13 | 6.972 | 1830 | 6.904 | 6.846 | 1200 | 96 |
| 05/17/13 | 7.047 | 1930 | 6.960 | 6.865 | 0515 | 96 |
| 05/18/13 | 7.042 | 1230 | 6.972 | 6.915 | 2230 | 96 |
| 05/19/13 | 7.069 | 1630 | 6.977 | 6.872 | 0400 | 96 |
| 05/20/13 | 7.173 | 1445 | 7.001 | 6.848 | 0315 | 96 |
| 05/21/13 | 7.096 | 1700 | 6.946 | 6.869 | 1430 | 96 |
| 05/22/13 | 7.237 | 1645 | 7.031 | 6.870 | 1115 | 96 |
| 05/23/13 | 7.118 | 1500 | 6.960 | 6.864 | 0600 | 96 |
| 05/24/13 | 7.167 | 1400 | 6.980 | 6.798 | 0700 | 96 |
| 05/25/13 | 7.067 | 0545 | 6.998 | 6.944 | 2245 | 96 |
| 05/26/13 | 7.035 | 2245 | 6.972 | 6.939 | 1515 | 96 |
| 05/27/13 | 7.117 | 2245 | 7.034 | 6.971 | 1000 | 96 |
| 05/28/13 | 7.238 | 1830 | 7.101 | 6.985 | 0815 | 96 |
| 05/29/13 | 7.293 | 1930 | 7.081 | 6.804 | 2345 | 96 |
| 05/30/13 | 6.814 | 0130 | 6.754 | 6.691 | 0000 | 96 |
| 05/31/13 | 6.660 | 1445 | 6.627 | 6.579 | 2200 | 96 |
| AVERAGE | 6.994 | | 6.898 | 6.808 | | |
| STD DEV.: | 0.145 | | 0.109 | 0.097 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2013

STATION: Zero

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 05/01/13 | 14.090 | 1515 | 13.440 | 12.910 | 0730 | 96 |
| 05/02/13 | 14.780 | 1515 | 13.995 | 13.460 | 0330 | 96 |
| 05/03/13 | 15.030 | 1645 | 14.213 | 13.590 | 0645 | 96 |
| 05/04/13 | 15.280 | 1545 | 14.630 | 14.230 | 0700 | 96 |
| 05/05/13 | 15.790 | 1630 | 14.890 | 14.200 | 0515 | 96 |
| 05/06/13 | 15.530 | 2000 | 15.005 | 14.330 | 0645 | 96 |
| 05/07/13 | 16.370 | 1900 | 15.591 | 14.870 | 0630 | 96 |
| 05/08/13 | 16.450 | 2315 | 16.000 | 15.760 | 2030 | 96 |
| 05/09/13 | 16.740 | 0945 | 16.385 | 16.220 | 0200 | 96 |
| 05/10/13 | 17.260 | 1345 | 16.607 | 15.960 | 0600 | 96 |
| 05/11/13 | 17.120 | 1345 | 16.900 | 16.630 | 1215 | 96 |
| 05/12/13 | 17.090 | 1615 | 16.599 | 16.240 | 2345 | 96 |
| 05/13/13 | 16.200 | 0015 | 15.684 | 15.050 | 0000 | 96 |
| 05/14/13 | 15.390 | 1445 | 14.889 | 14.450 | 0000 | 96 |
| 05/15/13 | 14.940 | 1415 | 14.281 | 13.750 | 0730 | 96 |
| 05/16/13 | 15.270 | 1615 | 14.418 | 13.510 | 0645 | 96 |
| 05/17/13 | 15.810 | 1500 | 15.054 | 14.340 | 0615 | 96 |
| 05/18/13 | 15.590 | 2245 | 15.134 | 14.640 | 0715 | 96 |
| 05/19/13 | 15.840 | 1715 | 15.480 | 15.110 | 0815 | 96 |
| 05/20/13 | 16.840 | 2015 | 16.023 | 15.480 | 0645 | 96 |
| 05/21/13 | 17.150 | 1345 | 16.624 | 16.300 | 0600 | 96 |
| 05/22/13 | 17.680 | 1300 | 16.741 | 16.220 | 0700 | 93 |
| 05/23/13 | 17.480 | 1415 | 16.756 | 16.150 | 0345 | 96 |
| 05/24/13 | 18.220 | 1730 | 17.197 | 16.410 | 0630 | 96 |
| 05/25/13 | 16.890 | 0015 | 15.280 | 13.710 | 0000 | 96 |
| 05/26/13 | 13.720 | 2345 | 13.395 | 13.090 | 0830 | 96 |
| 05/27/13 | 16.440 | 1815 | 14.623 | 13.230 | 0515 | 96 |
| 05/28/13 | 15.680 | 1145 | 15.094 | 14.250 | 0930 | 96 |
| 05/29/13 | 16.070 | 1400 | 15.527 | 14.340 | 2345 | 96 |
| 05/30/13 | 22.140 | 0000 | 17.585 | 13.700 | 0700 | 96 |
| 05/31/13 | 29.480 | 1530 | 27.157 | 22.200 | 0015 | 96 |
| AVERAGE | 16.721 | | 15.845 | 14.978 | | |
| STD DEV.: | 2.802 | | 2.366 | 1.751 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2013

STATION: N5

PARAMETER: Dissolved Oxygen (MG/L)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 05/01/13 | 11.20 | 1500 | 10.62 | 10.09 | 2230 | 96 |
| 05/02/13 | 10.78 | 1515 | 10.46 | 10.11 | 2245 | 96 |
| 05/03/13 | 10.83 | 1515 | 10.38 | 9.83 | 2015 | 96 |
| 05/04/13 | 10.63 | 1445 | 10.19 | 9.51 | 2245 | 96 |
| 05/05/13 | 10.56 | 1530 | 9.97 | 9.48 | 0530 | 96 |
| 05/06/13 | 10.43 | 1700 | 9.91 | 9.39 | 2315 | 96 |
| 05/07/13 | 10.35 | 1100 | 9.86 | 9.21 | 0445 | 96 |
| 05/08/13 | 10.60 | 1445 | 9.94 | 9.31 | 0200 | 96 |
| 05/09/13 | 10.47 | 1600 | 9.75 | 8.99 | 0915 | 96 |
| 05/10/13 | 10.24 | 1600 | 9.83 | 9.40 | 0115 | 96 |
| 05/11/13 | 10.08 | 0815 | 9.77 | 9.21 | 2215 | 96 |
| 05/12/13 | 10.12 | 1545 | 9.52 | 9.02 | 0700 | 96 |
| 05/13/13 | 10.46 | 1530 | 9.98 | 9.51 | 0230 | 96 |
| 05/14/13 | 10.70 | 1315 | 10.26 | 9.81 | 0315 | 96 |
| 05/15/13 | 10.61 | 1415 | 10.12 | 9.67 | 2045 | 96 |
| 05/16/13 | 10.64 | 1230 | 9.98 | 9.46 | 0000 | 96 |
| 05/17/13 | 10.59 | 1200 | 9.89 | 9.03 | 2130 | 96 |
| 05/18/13 | 10.19 | 1600 | 9.49 | 8.90 | 0415 | 96 |
| 05/19/13 | 10.21 | 1400 | 9.42 | 8.79 | 0100 | 96 |
| 05/20/13 | 9.97 | 1215 | 9.11 | 8.46 | 0145 | 96 |
| 05/21/13 | 9.72 | 1515 | 9.10 | 8.58 | 0030 | 96 |
| 05/22/13 | 10.79 | 1600 | 9.73 | 8.72 | 0245 | 96 |
| 05/23/13 | 11.18 | 2245 | 10.83 | 10.38 | 0030 | 96 |
| 05/24/13 | 11.27 | 1815 | 11.01 | 10.74 | 1145 | 96 |
| 05/25/13 | 11.46 | 2145 | 11.17 | 10.81 | 0445 | 96 |
| 05/26/13 | 11.32 | 2330 | 10.85 | 10.53 | 0730 | 96 |
| 05/27/13 | 11.71 | 1400 | 11.39 | 10.89 | 0145 | 96 |
| 05/28/13 | 12.47 | 1300 | 11.73 | 11.18 | 1000 | 96 |
| 05/29/13 | 11.76 | 0200 | 11.53 | 11.33 | 1715 | 96 |
| 05/30/13 | 11.39 | 0030 | 11.06 | 10.71 | 2345 | 96 |
| 05/31/13 | 10.92 | 0045 | 10.41 | 9.95 | 2345 | 96 |
| AVERAGE | 10.763 | | 10.234 | 9.710 | | |
| STD DEV.: | 0.599 | | 0.689 | 0.791 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2013

STATION: N5

PARAMETER: PH

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 05/01/13 | 6.942 | 1345 | 6.891 | 6.830 | 0000 | 56 |
| 05/02/13 | 6.967 | 1900 | 6.931 | 6.898 | 1030 | 65 |
| 05/03/13 | 6.971 | 2015 | 6.940 | 6.914 | 1230 | 96 |
| 05/04/13 | 6.947 | 0730 | 6.924 | 6.897 | 1045 | 96 |
| 05/05/13 | 6.953 | 0845 | 6.925 | 6.902 | 1500 | 96 |
| 05/06/13 | 6.957 | 1145 | 6.938 | 6.914 | 0130 | 96 |
| 05/07/13 | 7.085 | 0745 | 6.917 | 6.877 | 2345 | 96 |
| 05/08/13 | 6.934 | 1715 | 6.902 | 6.867 | 0145 | 96 |
| 05/09/13 | 7.062 | 1715 | 6.935 | 6.870 | 0145 | 96 |
| 05/10/13 | 6.952 | 1200 | 6.918 | 6.862 | 0230 | 96 |
| 05/11/13 | 6.936 | 0145 | 6.886 | 6.861 | 1330 | 96 |
| 05/12/13 | 6.948 | 1915 | 6.896 | 6.844 | 1630 | 96 |
| 05/13/13 | 6.983 | 0745 | 6.933 | 6.880 | 2115 | 96 |
| 05/14/13 | 7.197 | 0700 | 6.902 | 6.841 | 0945 | 96 |
| 05/15/13 | 6.957 | 0800 | 6.911 | 6.863 | 0000 | 96 |
| 05/16/13 | 6.921 | 1900 | 6.868 | 6.803 | 1230 | 96 |
| 05/17/13 | 6.948 | 1900 | 6.878 | 6.820 | 0400 | 96 |
| 05/18/13 | 6.943 | 0915 | 6.906 | 6.877 | 2330 | 96 |
| 05/19/13 | 6.943 | 2130 | 6.882 | 6.840 | 0600 | 96 |
| 05/20/13 | 6.992 | 1830 | 6.912 | 6.849 | 0300 | 96 |
| 05/21/13 | 7.038 | 1245 | 6.966 | 6.896 | 0615 | 96 |
| 05/22/13 | 7.165 | 1300 | 6.983 | 6.941 | 1315 | 96 |
| 05/23/13 | 7.030 | 1430 | 6.984 | 6.956 | 0015 | 96 |
| 05/24/13 | 7.016 | 2000 | 6.977 | 6.948 | 0730 | 96 |
| 05/25/13 | 6.995 | 0100 | 6.962 | 6.930 | 2230 | 96 |
| 05/26/13 | 7.011 | 2200 | 6.977 | 6.922 | 0315 | 96 |
| 05/27/13 | 7.006 | 0245 | 6.962 | 6.918 | 2345 | 96 |
| 05/28/13 | 7.054 | 1300 | 6.877 | 6.789 | 1800 | 96 |
| 05/29/13 | 6.837 | 1115 | 6.822 | 6.798 | 0000 | 96 |
| 05/30/13 | 6.884 | 1615 | 6.839 | 6.791 | 0700 | 83 |
| 05/31/13 | 6.862 | 1230 | 6.833 | 6.800 | 2000 | 96 |
| AVERAGE | 6.982 | | 6.915 | 6.871 | | |
| STD DEV.: | 0.076 | | 0.043 | 0.048 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2013

STATION: N10

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 05/01/13 | 14.360 | 1600 | 13.719 | 12.930 | 0645 | 96 |
| 05/02/13 | 14.830 | 1500 | 14.274 | 13.740 | 0630 | 96 |
| 05/03/13 | 15.070 | 1730 | 14.448 | 13.680 | 0700 | 96 |
| 05/04/13 | 15.650 | 1615 | 15.052 | 14.430 | 0645 | 96 |
| 05/05/13 | 15.650 | 1545 | 15.218 | 14.790 | 0645 | 96 |
| 05/06/13 | 15.830 | 1515 | 15.382 | 14.980 | 0630 | 96 |
| 05/07/13 | 16.460 | 1545 | 15.882 | 15.330 | 0030 | 96 |
| 05/08/13 | 16.920 | 1500 | 16.504 | 15.980 | 0015 | 96 |
| 05/09/13 | 16.550 | 1145 | 16.436 | 16.050 | 0845 | 96 |
| 05/10/13 | 17.380 | 1530 | 16.786 | 16.050 | 0145 | 96 |
| 05/11/13 | 17.280 | 0300 | 17.031 | 16.680 | 0000 | 96 |
| 05/12/13 | 17.080 | 1515 | 16.709 | 16.490 | 0530 | 96 |
| 05/13/13 | 16.660 | 0015 | 15.675 | 15.080 | 0000 | 96 |
| 05/14/13 | 15.100 | 1315 | 14.832 | 14.310 | 0000 | 96 |
| 05/15/13 | 14.590 | 1345 | 14.168 | 13.780 | 0000 | 96 |
| 05/16/13 | 15.240 | 1615 | 14.484 | 13.730 | 0115 | 96 |
| 05/17/13 | 15.940 | 1500 | 15.327 | 14.680 | 0430 | 96 |
| 05/18/13 | 16.350 | 1415 | 15.585 | 14.730 | 0530 | 96 |
| 05/19/13 | 16.880 | 1345 | 15.998 | 15.310 | 0600 | 96 |
| 05/20/13 | 17.690 | 1200 | 16.437 | 15.700 | 0215 | 96 |
| 05/21/13 | 17.370 | 1515 | 16.921 | 16.490 | 0300 | 96 |
| 05/22/13 | 16.850 | 0015 | 15.324 | 14.470 | 2345 | 93 |
| 05/23/13 | 14.640 | 1930 | 14.471 | 14.290 | 0945 | 96 |
| 05/24/13 | 14.610 | 1630 | 14.498 | 14.310 | 2345 | 96 |
| 05/25/13 | 14.300 | 0015 | 13.460 | 12.710 | 0000 | 96 |
| 05/26/13 | 12.700 | 0015 | 12.169 | 11.600 | 0000 | 96 |
| 05/27/13 | 11.660 | 1645 | 11.369 | 11.010 | 0715 | 96 |
| 05/28/13 | 11.920 | 2300 | 11.302 | 10.700 | 0645 | 96 |
| 05/29/13 | 11.910 | 0015 | 11.714 | 11.580 | 1030 | 96 |
| 05/30/13 | 14.100 | 0000 | 12.917 | 11.790 | 0015 | 96 |
| 05/31/13 | 16.010 | 0000 | 14.849 | 13.900 | 0615 | 96 |
| AVERAGE | 15.406 | | 14.805 | 14.235 | | |
| STD DEV.: | 1.672 | | 1.618 | 1.637 | | |

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2013

STATION: S4

PARAMETER: Temperature (Deg. C)

| DAY | MAXIMUM (PARAM) | TIME | DAILY AVERAGE | MINIMUM (PARAM) | TIME | #of INT. |
|-----------|--------------------|------|------------------|--------------------|------|-------------|
| 05/01/13 | 14.160 | 1530 | 13.160 | 12.300 | 0545 | 96 |
| 05/02/13 | 14.610 | 1415 | 13.614 | 12.860 | 0500 | 96 |
| 05/03/13 | 14.620 | 1515 | 13.812 | 12.950 | 0530 | 96 |
| 05/04/13 | 15.410 | 1530 | 14.377 | 13.510 | 0545 | 96 |
| 05/05/13 | 15.690 | 1500 | 14.585 | 13.720 | 0530 | 96 |
| 05/06/13 | 15.830 | 1430 | 14.767 | 13.800 | 0500 | 96 |
| 05/07/13 | 16.410 | 1400 | 15.329 | 14.160 | 0545 | 96 |
| 05/08/13 | 16.840 | 1445 | 15.919 | 15.030 | 0500 | 96 |
| 05/09/13 | 16.110 | 1545 | 15.817 | 15.510 | 0000 | 96 |
| 05/10/13 | 17.150 | 1300 | 16.251 | 15.270 | 0515 | 96 |
| 05/11/13 | 16.730 | 0945 | 16.403 | 16.010 | 0000 | 96 |
| 05/12/13 | 16.620 | 1515 | 16.024 | 15.600 | 0000 | 96 |
| 05/13/13 | 15.580 | 0015 | 15.070 | 14.230 | 0000 | 96 |
| 05/14/13 | 14.970 | 1315 | 14.258 | 13.610 | 0000 | 96 |
| 05/15/13 | 14.690 | 1345 | 13.741 | 13.010 | 0600 | 96 |
| 05/16/13 | 15.030 | 1530 | 14.035 | 12.890 | 0500 | 96 |
| 05/17/13 | 15.690 | 1415 | 14.674 | 13.760 | 0530 | 96 |
| 05/18/13 | 16.190 | 1445 | 15.130 | 14.050 | 0530 | 96 |
| 05/19/13 | 16.440 | 1515 | 15.465 | 14.560 | 0545 | 96 |
| 05/20/13 | 17.010 | 1600 | 15.951 | 14.950 | 0545 | 96 |
| 05/21/13 | 17.220 | 1500 | 16.190 | 15.680 | 0500 | 96 |
| 05/22/13 | 16.000 | 0015 | 15.342 | 14.690 | 0000 | 93 |
| 05/23/13 | 14.940 | 2215 | 14.754 | 14.560 | 0400 | 96 |
| 05/24/13 | 15.090 | 1545 | 14.851 | 14.540 | 0000 | 96 |
| 05/25/13 | 14.530 | 0015 | 13.722 | 12.870 | 0000 | 96 |
| 05/26/13 | 12.860 | 0015 | 12.448 | 11.930 | 0000 | 96 |
| 05/27/13 | 12.000 | 1600 | 11.743 | 11.390 | 0615 | 96 |
| 05/28/13 | 12.180 | 2330 | 11.672 | 11.100 | 0645 | 96 |
| 05/29/13 | 12.360 | 2200 | 12.117 | 11.980 | 1030 | 96 |
| 05/30/13 | 15.120 | 0000 | 13.692 | 12.280 | 0030 | 96 |
| 05/31/13 | 17.440 | 0000 | 16.385 | 15.130 | 0015 | 96 |
| AVERAGE | 15.339 | | 14.558 | 13.804 | | |
| STD DEV.: | 1.468 | | 1.356 | 1.326 | | |