Prepared for:
Basin Electric, Inc.
South Dakota

Basin NextGen Project Ambient Air Quality and Meteorological Monitoring Program
Data Report January through March 2008

ENSR *Corporation*
May 2008
Document No.: 02450-017-701

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ENSR
1601 Prospect Parkway, Fort Collins, Colorado 80525
T 970.493.8878 F 970.493.0213 www.ensr.aecom.com

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July 18, 2008

Mr. Brad Schultz, Senior Scientist
Air Quality Program
South Dakota Department of Environment & Natural Resources
523 East Capitol
Pierre, SD 57501-3182

RE: Quarterly Data Reports – January through March 2008
NextGen Project Ambient Air Quality and Meteorological Monitoring Program

Dear Mr. Schultz:

ENSR is submitting the referenced quarterly report for the Next Gen monitoring program near Gettysburg South Dakota. Enclosed is a copy of the report for the First Calendar Quarter, January through March 2008.

Please note that the report includes a summary of monitoring data, comparison to standards for air quality, and various appendices that further provide the data and provide quality assurance documentation.

Please review and call or e-mail with any questions.

Regards

Bruce C. Macdonald, Ph.D.
Senior Program Manager

Ref: 02450-017-701
Enclosure

cc: Cris Miller / Basin Electric

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Basin Electric, Inc.
South Dakota

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Basin NextGen Project Ambient Air Quality and Meteorological Program Data Report January through March 2008

Prepared By

Reviewed By

ENSR Corporation
May 2008
Document No.: 02450-017-701

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EXECUTIVE SUMMARY

This report provides a summary of the air quality and meteorological monitoring data collected at the Basin NextGen monitoring site near Gettysburg, South Dakota, during the period of January through March 2008. The ambient air quality data measured during this 3 month period were well below the National Ambient Air Quality Standards (NAAQS). Data recovery for each individual air quality parameter was above the Prevention of Significant Deterioration requirement of 80 percent for the quarter. The quarterly air quality data for the monitoring site are summarized below.

Federal air quality standards require that the 4th highest 8-hour ozone (O^3) average over the course of data collection (or 3 years) be calculated and reported. That value, based on data starting April 5, 2007 and running through this reporting period is 52.9 parts per billion (ppb) (103.6 micrograms per cubic meter [$\mu g/m^3$]) occurring on August 8, 2007.

Parameter	Measured Concentration		Standards NAAQS	
	$\mu g/m^3$	ppb	$\mu g/m^3$	ppb
NO_2				
1-hour Maximum	19	9.9	NS[1]	NS
Quarterly Mean	3	1.5	100[2]	50[2]
O_3				
1-hour Maximum	98	49.9	NS	NS
8-hour Maximum	93	47.2	157	80
SO_2				
1-hour Maximum	12	4.7	NS	NS
3-hour Maximum	10	3.8	1,300	500
24-hour Maximum	4.7	1.8	365	140
Quarterly Mean	2.1	0.8	80[2]	30[2]
PM_{10}[4]				
24-hour Maximum	19.5	NA[3]	150	NA
Quarterly Mean	5.8	NA	50	NA
$PM_{2.5}$				
24-hour Maximum	12.4	NA	35	NA
Quarterly Mean	3.7	NA	15	NA

[1]NS = No Standard.
[2]Quarterly mean concentrations are compared to annual NAAQS.
[3]NA = Not Applicable.
[4]PM_{10} values are based upon primary sampler.

NO_2 = nitrogen dioxide.
SO_2 = sulfur dioxide.
PM_{10} = particulate matter with an aerodynamic diameter of 10 microns or less.
$PM_{2.5}$ = particulate matter with an aerodynamic diameter of 2.5 microns or less.

NAAQS Standards ($\mu g/m^3$)									
	PM_{10}	$PM_{2.5}$	NO_2	SO_2			CO		O_3
Annual Average		15	100			80			
1-hour							40,000		
3-hour				1,300					
8-hour								10,000	157
24-hour	150	35			365				
ppb to $\mu g/m^3$			1.88	2.62	2.62	2.62			1.96
ppm to $\mu g/m^3$							1,150	1,150	

CO = carbon monoxide.
ppm = parts per million.

Contents

1.0 Introduction **1-1**

2.0 Project Progress and Significant Events **2-1**

3.0 Network Performance Summary **3-1**

3.1 Network Data Capture 3-1

3.2 Station Performance 3-1

4.0 Air Quality Data Summary **4-1**

4.1 Continuous Air Quality Data 4-1

4.1.1 Continuous Analyzer Precision Statistics 4-6

4.1.2 Continuous Analyzer Accuracy Statistics 4-6

4.2 Particulate Data (PM_{10}) 4-7

4.2.1 Hi-vol Precision and Accuracy Statistics 4-9

4.3 Particulate Data – $PM_{2.5}$ 4-9

5.0 Meteorological Data Summary **5-1**

5.1 Horizontal Wind Speed and Direction 5-1

5.2 Temperature and Temperature Difference 5-1

5.3 Vertical Wind Speed and Standard Deviation 5-1

5.4 Solar Radiation 5-1

5.5 Relative Humidity 5-1

5.6 Barometric Pressure 5-14

5.7 Precipitation 5-14

5.8 Data Accuracy 5-14

6.0 References **6-1**

Appendix A Data Processing Specifications and Statistical Formulae

Appendix B Unit Vector Averaging Method for Wind Directions

Appendix C Quarterly Calibrations, Certifications, and Filter Processing Information

Appendix D Meteorological and Air Quality Data Listings

Appendix E ARS Audit Report

List of Tables

Table 1-1 Ambient Monitoring Program Equipment and Measurement Methods 1-2
Table 3-1 Data Recovery by Parameter 3-2
Table 4-1 Basin NextGen Continuous Air Quality Monitoring Data Summary 4-1
Table 4-2 Comparison of Basin NextGen – Air Quality Monitoring Data to NAAQS January through March 2008 4-2
Table 4-3 NO_2 Summary 4-3
Table 4-4 SO_2 Summary 4-4
Table 4-5 O_3 Summary 4-5
Table 4-6 Continuous Analyzer Precision Statistics – January through March 2008 4-6
Table 4-7 Continuous Analyzer Accuracy Statistics – January through March 2008 4-6
Table 4-8 24-hour Particulate Data Summary January 1 through March 31, 2008 4-7
Table 4-9 PM_{10} Sampler Monitoring Data 4-8
Table 4-10 Hi-vol Precision – January through March 2008 4-9
Table 4-11 Hi-vol Accuracy – January through March 2008 4-9
Table 4-12 $PM_{2.5}$ Data Summary ($\mu g/m^3$) 4-9
Table 5-1 10-meter Wind Speed Summary 5-2
Table 5-2 50-meter Wind Speed Summary 5-3
Table 5-3 100-meter Wind Speed Summary 5-4
Table 5-4 2-meter Temperature Summary 5-8
Table 5-5 10-meter Temperature Summary 5-9
Table 5-6 50-meter Temperature Summary 5-10
Table 5-7 100-meter Temperature Summary 5-11
Table 5-8 10-2 Delta Temperature Summary 5-12
Table 5-9 50-10 Delta Temperature Summary 5-12
Table 5-10 100-50 Delta Temperature Summary 5-12
Table 5-11 Solar Radiation Summary 5-13
Table 5-12 Relative Humidity 5-14
Table 5-13 Barometric Pressure Summary 5-14
Table 5-14 Precipitation Summary 5-14

List of Figures

Figure 4-1 NO_2 Summary 4-3
Figure 4-2 SO_2 Summary 4-4
Figure 4-3 O_3 Summary 4-5
Figure 4-4 $PM_{2.5}$ Graphical Time Series with Concurrent PM_{10} Data 4-10
Figure 5-1 10-meter Wind Speed Summary 5-2
Figure 5-2 50-meter Wind Speed Summary 5-3
Figure 5-3 100-meter Wind Speed Summary 5-4
Figure 5-4 10-meter Wind Rose 5-5
Figure 5-5 50-meter Wind Rose 5-6
Figure 5-6 100-meter Wind Rose 5-7
Figure 5-7 2-meter Temperature Summary 5-8
Figure 5-8 10-meter Temperature Summary 5-9
Figure 5-9 50-meter Temperature Summary 5-10
Figure 5-10 100-meter Temperature Summary 5-11
Figure 5-11 Solar Radiation 5-13

1.0 Introduction

Basin Electric, Inc. (Basin) is the owner and operator of the proposed Basin NextGen Project located in central South Dakota. In support of the planned construction and installation of power plant sources, including coal-fired boilers, Basin has retained ENSR Corporation (ENSR) to install and operate an ambient air quality and meteorological monitoring station near the proposed project location. The primary objectives of this monitoring study are:

- To fulfill pre-construction air monitoring potentially required under Prevention of Significant Deterioration (PSD) permitting rules at the site of the proposed source;
- To obtain baseline ambient air quality concentrations; and
- To provide a comprehensive on-site database for use in dispersion modeling using AERMOD.

To meet these objectives, a meteorological and air quality monitoring station, equipped with a 100-meter (m) tower was established at the Basin site. The station monitors the following parameters:

- Nitrogen oxides (NO_2, NO, NO_X);
- Sulfur dioxide (SO_2);
- Ozone (O_3);
- Inhalable particulate matter, with an aerodynamic diameter of 10 micrograms or less (PM_{10});
- Inhalable fine particulate matter, with an aerodynamic diameter of 2.5 micrograms or less ($PM_{2.5}$);
- Barometric pressure;
- 100-m wind speed, wind direction, vertical wind speed, wind direction standard deviation (Sigma-Theta), vertical wind speed standard deviation (Sigma-W);
- 50-m wind speed, wind direction, vertical wind speed, wind direction standard deviation (Sigma-Theta), vertical wind speed standard deviation (Sigma-W);
- 10-m wind speed, wind direction, vertical wind speed, wind direction standard deviation (Sigma-Theta), vertical wind speed standard deviation (Sigma-W);
- 2-m temperature, 10-m temperature, 50-m temperature, 100-m temperature; and
- Precipitation, relative humidity, and solar radiation.

Table 1-1 summarizes the monitoring equipment and measurement methods currently in use at the Basin site. The monitoring system, source environment, sampling frequency, quality assurance program, and data management aspects of the monitoring program are described in the monitoring plan.

This report provides summaries of the data collected for January through March 2008. A chronology of project progress and significant events during the quarter is presented in Chapter 2.0. Chapter 3.0 contains a summary of network performance and data retrieval statistics. Chapter 4.0 contains a summary of the air quality data recorded during the period. The meteorological data are presented and discussed in Chapter 5.0. Appendix A contains the formulae used to determine precision, accuracy, and data retrieval statistics. Appendix B contains the unit vector averaging method for wind directions. Appendix C contains information from the quarterly PM_{10} sampler calibrations performed on March 4, 2008. Appendix D presents the complete and validated meteorological and air quality monthly data summarized by hour January through March 2008. Appendix E contains a copy of the Air Resource Specialists (ARS) Audit Report.

Table 1-1 Ambient Monitoring Program Equipment and Measurement Methods

Parameter	Manufacturer/Model	Sample Frequency	Range	Method
NO_X, NO_2, NO (~4m)	Thermo Electron Corporation (Thermo) Model 42C	Continuous	0.001 to 0.500 ppm	Chemiluminescent single chamber
O_3 (~4m)	Thermo Model 49C	Continuous	0.002 to 0.500 ppm	Ultraviolet absorption
SO_2 (~4m)	Thermo Model 43C	Continuous	0.001 to 0.500 ppm	Pulsed fluorescent
PM_{10} (~4m)	Tisch TE-6070V volumetric Flow Controlled PM_{10} monitor	Every 6 days	2 to 750 µg/m^3	10 µm size select inlet, high volume filter sample, gravimetric analysis
$PM_{2.5}$	Met One Model 1020 BAM	Continuous		Very sharp cutoff cyclone (FEM)
Multi-gas calibrator	Thermo Model 146C	NA	0 to 100 cc 0 to 10 lpm	Mass flow meters
Ozone Transfer Standard	Thermo Model 49C TS	NA	0.001 to 0.500 ppm	Pulsed fluorescent
Horizontal wind speed 10m, 50m, -100m	Climatronics Model F460	Continuous	0.1 to 100 mph	Cup Anemometer/Photo-chopper
Horizontal wind direction 10m, 50m, -100m	Climatronics Model F460	Continuous	0° to 360°	Vane/Potentiometer
Sigma-theta 10m, 50m, -100m	Campbell Scientific CR23X Datalogger	Continuous	0° to 100°	Digital computation
Vertical Wind Speed 10m, 50m, -100m	Climatronics Model 102236-G0	Continuous	-12.5 to +12.5 mph	Propeller Anemometer
Sigma w 10m, 50m, -100m	Campbell Scientific CR23X Datalogger	Continuous	0° to 100°	Digital computation
Temperature 2m, 10m, 50m, -100m	Climatronics Model 100093	Continuous	-30°C to 50°C	Aspirated triple-element thermistor
Temperature Difference (10m-2m, 50m-2m, 100m-2m)	Climatronics Model 100093	Continuous	-5° to 10°	Aspirated triple-element thermistor
Solar Radiation (~4m)	Kipp & Zonen Model CMP3	Continuous	0 to 2 langley/min	Thermopile
Precipitation (~4m)	Climatronics Model 100097-1-G0	Event, 1-hour Accumulation	0.01 in to Unlimited	Tipping Bucket
Relative Humidity (2m)	Campbell Scientific, Model HMP 45C-L	Continuous	0 to 100 percent	Hygrometer
Barometric Pressure (~4m)	Climatronics Model 102663-G0-10	Continuous	600 – 1,100 hPascals	Solid State Piezoresistors
Data logger	Campbell Scientific CR23X	1/second	0-1 v	Digital computer

ppm = parts per million
µg/m^3 = micrograms per cubic meter
µm = micrometers
cc = cubic centimeters
lpm = liters per minute
mph = miles per hour
°C = degrees Celsius
v = volts

2.0 Project Progress and Significant Events

Program activities during this quarter were primarily associated with routine operation, maintenance, and calibration checks. The on-site technician visited the station weekly to change PM_{10} filters and to check on air quality instruments. Data management included collection, processing, and validation of data.

The quarterly calibrations for both meteorological and air quality instruments occurred March 4, 2008.

The quarterly audit for this site was done by ARS on March 5, 2008. No problems were seen and all parameters were within U.S. Environmental Protection Agency (USEPA) specifications.

3.0 Network Performance Summary

The data retrieval statistics for each air quality and meteorological parameter are presented in this chapter along with a brief summary of missing data. Program goals for data capture, as specified by PSD requirements, call for valid data retrieval of 80 percent for air quality parameters on a quarterly basis and 90 percent for meteorological parameters on an annual or 12-month basis.

3.1 Network Data Capture

Continuous air quality and meteorological data capture percentages have been calculated on the basis of the total number of hours of ambient data collected versus the total number of hours in the month. Hours lost to equipment failure, power outage, routine maintenance, calibrations and audits, as well as hours that do not satisfy program goals for accuracy and resolution have been deleted from the dataset in the data validation process. Particulate data percentages have been calculated based on the number of samples collected versus the total number of sampling days.

The data capture rate for each individual air quality parameter was above the PSD requirement of 80 percent for the quarter. The data capture rate for each meteorological parameter was above the PSD requirement for 90 percent annual data recovery. **Table 3-1** provides a summary of network performance by month for the quarter. Additional station specific information is provided below.

3.2 Station Performance

Summaries of the data capture performance for each parameter are presented in **Table 3-1**.

Table 3-1 Data Recovery by Parameter

	Basin Data Recovery by Parameter									Data Recovery for the Quarter		
Channel	Possible Hours	Valid Hours	Percent Recovery	Possible Hours	Valid Hours	Percent Recovery	Possible Hours	Valid Hours	Percent Recovery	Possible Hours	Valid Hours	Percent Recovery
	January	January	January	February	February	February	March	March	March	Qtr	Qtr	Qtr
10WS	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
10WD	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
10ST	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
50WS	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
50WD	744	744	100.0%	696	696	100.0%	744	580	78.0%	2184	2020	92.5%
50ST	744	744	100.0%	696	696	100.0%	744	580	78.0%	2184	2020	92.5%
100WS	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
100WD	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
100ST	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
10 VWS	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
50 VWS	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
100VWS	744	744	100.0%	696	628	90.2%	744	742	99.7%	2184	2114	96.8%
10SW	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
50SW	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
100SW	744	744	100.0%	696	628	90.2%	744	742	99.7%	2184	2114	96.8%
2mt	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
10mt	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
50mt	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
100mt	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
10-2dt	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
50-10dt	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
100-50dt	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
RH%	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
Sol w/m2	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
Precip.	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
Pressure	744	744	100.0%	696	696	100.0%	744	742	99.7%	2184	2182	99.9%
SO2	744	638	85.8%	696	659	94.7%	744	683	91.8%	2184	1980	90.7%
NO	744	703	94.5%	696	659	94.7%	744	690	92.7%	2184	2052	94.0%
NOx	744	703	94.5%	696	659	94.7%	744	690	92.7%	2184	2052	94.0%
NO2	744	703	94.5%	696	659	94.7%	744	690	92.7%	2184	2052	94.0%
O3	744	643	86.4%	696	663	95.3%	744	693	93.1%	2184	1999	91.5%
Stn T	744	744	100.0%	696	696	100.0%	744	744	100.0%	2184	2184	100.0%
PM10*	6	6	100.0%	4	4	100.0%	6	6	100.0%	16	16	100.0%
PM2.5	744	744	100.0%	696	692	99.4%	744	739	99.3%	2184	2175	99.6%

PM_{10} and $PM_{2.5}$ recovery values are based on the Primary sampler.

4.0 Air Quality Data Summary

This chapter provides a summary of the air quality data collected for the Basin NextGen monitoring network for January through March 2008.

4.1 Continuous Air Quality Data

A summary of the air quality data, including a comparison of the data to the applicable federal and state ambient air quality standards, is presented in **Tables 4-1** and **4-2**. Additional data summary and discussion are provided later in this chapter. Listings of the individual hourly air quality data summarized in this chapter are provided in Appendix D.

Table 4-1 Basin NextGen Continuous Air Quality Monitoring Data Summary

Parameter		January		February		March		Quarter	
		µg/m³	ppb	µg/m³	ppb	µg/m³	ppb	µg/m³	ppb
NO_2	Average	2	1.3	4	1.9	3	1.4	3	2
	1-hour Maximum	14	7.6	11	5.8	19	9.9	19	10
SO_2	Average	1.0	0.4	2.4	0.9	2.9	1.1	2.1	0.8
	1-hour Maximum	12.3	4.7	11.3	4.3	8.6	3.3	12.3	4.7
	3-hour Maximum	8.1	3.1	9.9	3.8	6.5	2.5	9.9	3.8
	24-hour Maximum	3.4	1.3	4.7	1.8	3.9	1.5	4.7	1.8
O_3	Average	53	27.0	73	37.0	69	34.9	65	33
	1-hour Maximum	91	46.6	94	47.9	98	49.9	98	50
	8-hour Maximum	80	40.6	80	40.9	93	47.2	93	47

ppb = parts per billion.

NAAQS Standards (µg/m³)									
	PM_{10}	$PM_{2.5}$	NO_2	SO_2			CO		O_3
Annual Average		15	100			80			
1-hour							40,000		
3-hour				1,300					
8-hour								10,000	157
24-hour	150	35			365				
ppb to µg/m³			1.88	2.62	2.62	2.62			1.96
ppm to µg/m³							1,150	1,150	

NAAQS = National Ambient Air Quality Standards.

Table 4-2 Comparison of Basin NextGen -- Air Quality Monitoring Data to NAAQS January through March 2008

Parameter	Measured Concentration		Standards NAAQS	
	µg/m³	ppb	µg/m³	ppb
NO_2				
1-hour Maximum	19	9.9	NS[2]	NS
Quarterly Mean	3	1.5	100[3]	50[3]
O_3				
1-hour Maximum	98	49.9	236	120
8-hour Maximum	93	47.2	157	80
SO_2				
1-hour Maximum	12	4.7	NS	NS
3-hour Maximum	10	3.8	1,300	500
24-hour Maximum	4.7	1.8	365	140
Quarterly Mean	2.1	0.8	80[3]	30[3]
PM_{10}				
24-hour Maximum	19.5	NA[4]	150	NA
Quarterly Mean	5.8	NA	50	NA
$PM_{2.5}$				
24-hour Maximum	12.4	NA	35	NA
Quarterly Mean	3.7	NA	15	NA

[1]NAAQS are equivalent.
[2]NS = No Standard.
[3]Quarterly mean concentrations are compared to annual NAAQS.
[4]NA = Not Applicable.
PM_{10} values are based upon primary sampler.

$PM_{2.5}$ = particulate matter with an aerodynamic diameter of 10 microns or less.

NAAQS Standards (µg/m³)									
	PM_{10}	$PM_{2.5}$	NO_2	SO_2			CO		O_3
Annual Average			100			80			
1-hour							40,000		
3-hour				1,300					
8-hour								10,000	157
24-hour	150	35			365				
ppb to µg/m³			1.88	2.62	2.62	2.62			1.96
ppm to µg/m³							1,150	1,150	

Table 4-3 NO_2 Summary

	NO_2 Monthly Average ppb	NO_2 1-Hour Max ppb	Date 1-Hour Max Occurred	Hours of QA/QC Data	Hours Of Data Possible	Data Capture Percent
Jan-08	1.6	7.3	01/01/08	703	744	94.5%
Feb-08	1.9	5.8	02/12/08	659	696	94.7%
Mar-08	1.4	9.9	03/31/08	690	744	92.7%

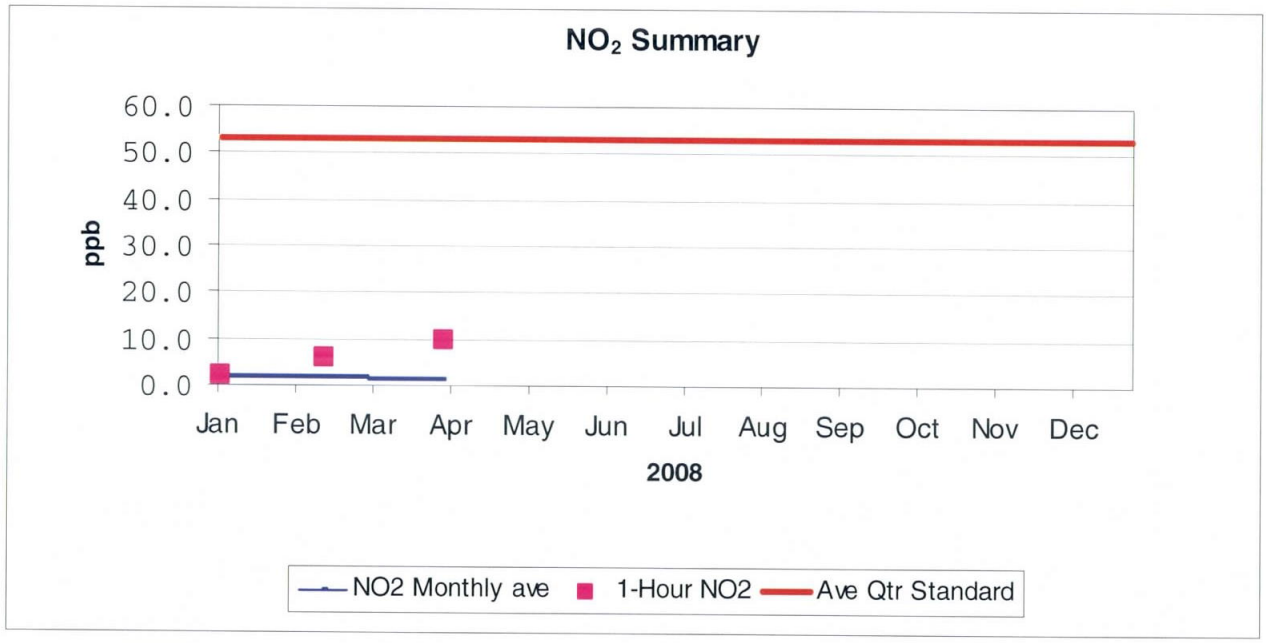

Figure 4-1 NO_2 Summary

NAAQS standards for NO_2 are: 53 ppb (~100 µg/m^3) annual average.

Note: ppb NO_2 to µg/m^3 conversion = 1.88.

Table 4-4 SO_2 Summary

	SO_2 Monthly Average ppb	SO_2 1-Hour Max ppb	Date 1-Hour Max Occurred	SO_2 3-Hour Max ppb	SO_2 24-hour Max ppb	Hours of QA/QC Data	Hours of Data Possible	Data Capture Percent
Jan-08	0.4	4.7	01/21/08	3.1	1.3	638	744	85.8%
Feb-08	0.9	4.3	02/18/08	3.8	1.8	659	696	94.7%
Mar-08	1.1	3.3	03/11/08	2.5	1.5	683	744	91.8%

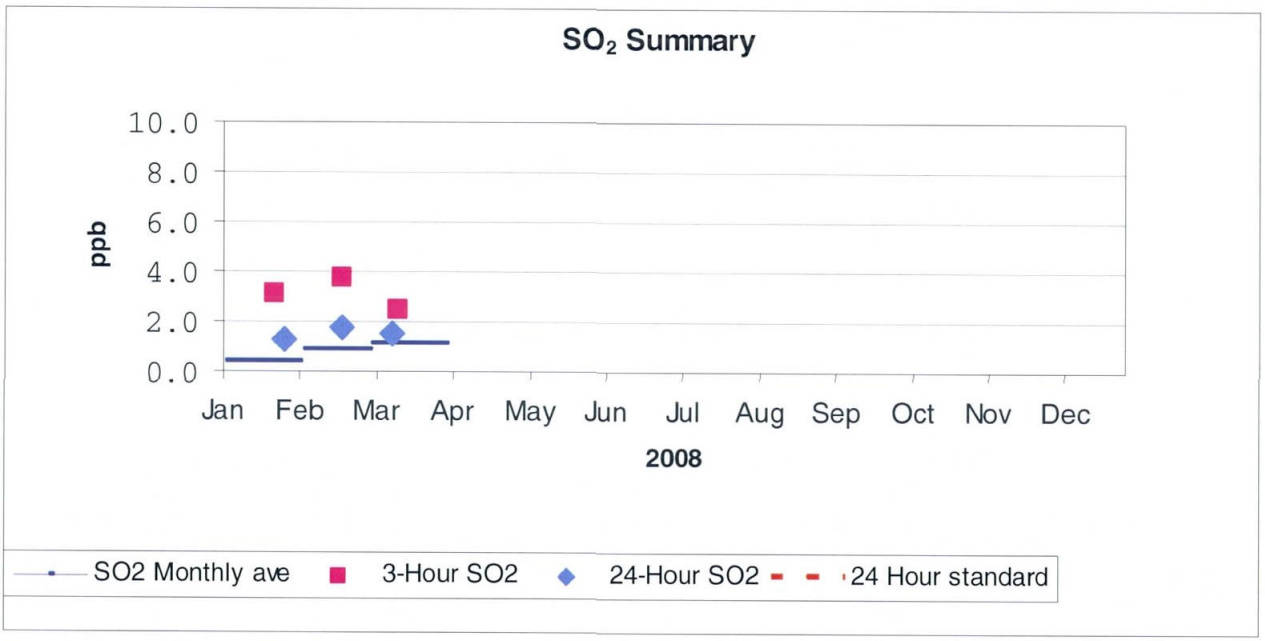

Figure 4-2 SO_2 Summary

NAAQS standards for SO_2 are: 139 ppb (365 µg/m^3) 24-hour average and 30 ppb (80 µg/m^3) annual average.

Note: ppb SO_2 to µg/m^3 conversion = 2.62.

Table 4-5 O_3 Summary

	O_3 Monthly Average ppb	O_3 1-Hour Max ppb	Date 1-Hour Max Occurred	O_3 8-Hour Max ppb	Date 8-Hour Max Occurred	Hours of QA/QC Data	Hours of Data Possible	Data Capture Percent
Jan-08	27.0	46.6	01/02/08	40.6	01/26/08	643	744	86.4%
Feb-08	30.7	47.9	02/20/08	40.9	02/24/08	663	696	95.3%
Mar-08	34.9	49.9	03/27/08	47.2	03/18/08	693	744	93.1%

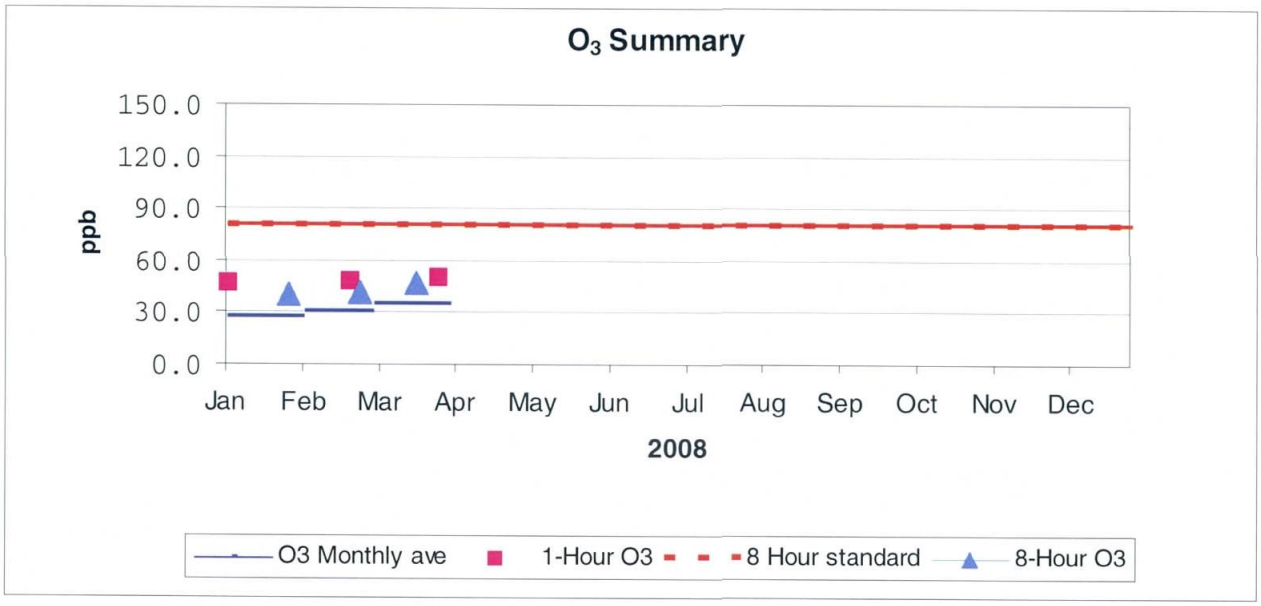

Figure 4-3 O_3 Summary

NAAQS standards for O_3 are: 120 ppb (235 µg/m^3) 1-hour standard and 80 ppb (157 µg/m^3) 8-hour standard

Note: ppb O_3 to µg/m^3 conversion = 1.96.

4.1.1 Continuous Analyzer Precision Statistics

Table 4-6 provides the precision probability intervals for each continuous analyzer. The table presents statistics based on the number of precision checks (N) conducted for each continuous analyzer from January through March 2008. The average percentage difference (dj) between the designated (known) input concentration and the observed (indicated) analyzer response was computed along with the standard deviation (Sj), and upper and lower 95 percent probability limits, using equations defined in Appendix A.

Table 4-6 Continuous Analyzer Precision Statistics – January through March 2008

Analyzer	N	Average Percent Difference (d_j)	Standard Deviation (S_j)	Upper 95 Percent Probability Limit	Lower 95 Percent Probability Limit
SO_2	6	-1.1	1.7	2.2	-4.4
NO_2	6	-1.0	3.5	5.9	-7.9
NO	6	-4.7	2.0	-0.8	-8.6
O_3	6	-1.9	2.9	3.8	-7.6

4.1.2 Continuous Analyzer Accuracy Statistics

Accuracy statistics for the period January through March 2008 were determined from the quarterly network performance quality assurance audit, conducted by ARS on March 5, 2008. During the audit, the air quality analyzers were challenged with three known concentrations spanning the operational range of the instruments. **Table 4-7** provides a summary of the accuracy statistics, defined as the percent difference between the audit input and the analyzer response. A negative value indicates the analyzer was reading low, and a positive value indicates the analyzer was reading high.

Table 4-7 Continuous Analyzer Accuracy Statistics – January through March 2008

Date	Analyzer	Parameter	Accuracy (Percent)[1]		
			30 – 80 ppb	150 - 200 ppb	400 - 450 ppb
March 5, 2008	TEI 42 SN: 70181-365	NO_X[1] NO[1] NO_2[1]	0.4 1.3 0.9	2.7 3.1 2.4	3.3 4.1 3.3
March 5, 2008	TEI 43A SN: 29727-236	SO_2	4.1	2.5	1.6
March 5, 2008	TEI 49 SN: 051781-2012	O_3	-7.3	-7.0	-3.9

[1]Project accuracy goal ±10 percent of audit input. USEPA accuracy goal ±15 percent.

4.2 Particulate Data (PM_{10})

The measured inhalable particulate (PM_{10}) 24-hour average concentrations were well below the NAAQS standard of 150 µg/m^3. **Table 4-8** provides a summary of PM_{10} values and the quarterly means. **Table 4-9** shows each PM_{10} sample results including data weight, concentration, initial flow, final flow, and elapsed time.

Table 4-8 24-hour Particulate Data Summary January 1 through March 31, 2008

	PM_{10} (µg/m^3)	
Date	**Primary**	**Collocated**
January 1, 2008	6.0	6.0
January 7, 2008	3.3	2.9
January 13, 2008	6.2	5.9
January 19, 2008	3.1	2.7
January 25, 2008	5.9	7.7
January 31, 2008	6.5	7.2
February 6, 2008	5.1	5.2
February 12, 2008	5.0	5.0
February 18, 2008	3.5	3.9
February 24, 2008	19.5	20.0
March 1, 2008	3.5	3.7
March 7, 2008	3.1	2.9
March 13, 2008	2.4	2.2
March 19, 2008	5.8	5.1
March 25, 2008	9.7	10.2
March 31, 2008	3.9	4.1
Quarterly Arithmetic Mean	**5.8**	**5.9**

Table 4-9 PM_{10} Sampler Monitoring Data

Date	Unit Designation	Filter Number	SCCM ($\mu g/m^3$)	Delta Weight (g)	Initial Flow (SCCM)	Initial Flow (ACCM)	Final Flow (SCCM)	Final Flow (ACCM)	Time (min)	Comments
01/01/08	PM10 (Primary)	000097	6.0	0.0093	39.1	38.5	39.0	38.4	1410.0	
01/01/08	PM10 (Collocated)	000098	6.0	0.0095	39.3	38.7	39.3	38.7	1423.8	
01/07/08	PM10 (Primary)	000099	3.3	0.0052	39.0	38.4	39.1	38.4	1412.4	
01/07/08	PM10 (Collocated)	000100	2.9	0.0046	39.2	38.6	39.3	38.7	1423.2	
01/13/08	PM10 (Primary)	000101	6.2	0.0097	39.1	38.4	39.1	38.5	1411.8	
01/13/08	PM10 (Collocated)	000102	5.9	0.0094	39.3	38.7	39.4	38.7	1423.2	
01/19/08	PM10 (Primary)	000103	3.1	0.0049	39.1	38.5	39.1	38.5	1408.2	
01/19/08	PM10 (Collocated)	000104	2.7	0.0043	39.3	38.7	39.3	38.7	1425.0	
01/25/08	PM10 (Primary)	000105	5.9	0.0093	39.2	38.5	39.1	38.5	1411.8	
01/25/08	PM10 (Collocated)	000106	7.7	0.0123	39.4	38.7	39.3	38.7	1428.0	
01/31/08	PM10 (Primary)	000107	6.5	0.0102	39.1	38.5	39.0	38.4	1412.4	
01/31/08	PM10 (Collocated)	000108	7.2	0.0114	39.3	38.7	39.2	38.6	1426.8	
02/06/08	PM10 (Primary)	000109	5.1	0.0080	39.2	38.5	39.1	38.5	1413.6	
02/06/08	PM10 (Collocated)	000110	5.2	0.0083	39.2	38.6	39.2	38.6	1425.0	
02/12/08	PM10 (Primary)	000111	5.0	0.0078	39.1	38.5	39.2	38.6	1410.6	
02/12/08	PM10 (Collocated)	000112	5.0	0.0080	39.3	38.6	39.3	38.7	1425.6	
02/18/08	PM10 (Primary)	000113	3.5	0.0055	39.2	38.5	39.2	38.5	1413.0	
02/18/08	PM10 (Collocated)	000114	3.9	0.0062	39.3	38.7	39.3	38.7	1423.8	
02/24/08	PM10 (Primary)	000115	19.5	0.0305	39.3	38.6	39.1	38.5	1412.4	
02/24/08	PM10 (Collocated)	000116	20.0	0.0318	39.4	38.7	39.2	38.6	1426.2	
03/01/08	PM10 (Primary)	000117	3.5	0.0054	39.0	38.4	39.0	38.4	1413.0	
03/01/08	PM10 (Collocated)	000118	3.7	0.0058	39.2	38.6	39.2	38.6	1427.4	
03/07/08	PM10 (Primary)	000119	3.1	0.0049	39.3	38.7	39.0	38.4	1413.6	new motors installed
03/07/08	PM10 (Collocated)	000120	2.9	0.0046	39.4	38.8	39.1	38.5	1425.0	prior to runs
03/13/08	PM10 (Primary)	000122	2.4	0.0037	39.0	38.4	39.1	38.5	1414.2	
03/13/08	PM10 (Collocated)	000123	2.2	0.0034	38.9	38.3	39.0	38.4	1425.6	
03/19/08	PM10 (Primary)	000124	5.8	0.0091	39.1	38.5	39.1	38.5	1413.6	
03/19/08	PM10 (Collocated)	000125	5.1	0.0080	39.0	38.4	39.1	38.4	1423.8	
03/25/08	PM10 (Primary)	000126	9.7	0.0151	39.1	38.5	39.1	38.4	1413.0	
03/25/08	PM10 (Collocated)	000127	10.2	0.0161	39.1	38.4	39.0	38.4	1425.0	
03/31/08	PM10 (Primary)	000128	3.9	0.0062	39.1	38.5	39.0	38.4	1439.1	
03/31/08	TSP (Primary)	000129	4.1	0.0065	39.1	38.5	39.0	38.4	1441.5	

Validated By RLT 4/1/08

Analyst DH 4/1/08

4.2.1 Hi-vol Precision and Accuracy Statistics

Table 4-10 presents the precision statistics for the collocated PM_{10} sampler for the quarter. **Table 4-11** presents the accuracy statistics for the period, which were determined from the quality assurance audit conducted March 5, 2008. All samplers were found to be operating within the ±7 percent accuracy goal when compared to the auditor's reference flow standard.

Table 4-10 Hi-vol Precision – January through March 2008

N	Average Percent Difference (d_i)	Standard Deviation (S_i)	Upper 95 Percent Probability Limit	Lower 95 Percent Probability Limit
0[1]	NA	NA	NA	NA

[1]Only 1 value greater than 15 μg/m^3 was found so no statistics could be calculated.

Table 4-11 Hi-vol Accuracy – January through March 2008

Date	Station/ Sampler	Parameter	Units	Accuracy[1] (%)
March 5, 2008	#1	PM_{10}	ACFM	-1.5
March 5, 2008	#2	PM_{10}	ACFM	-3.1

[1]Values given for accuracy are the percent difference between the flow rate determined with the audit standard and that reported by the station flow rate indicator and calibration curve. Accuracy goal is ±7 percent.

4.3 Particulate Data – $PM_{2.5}$

Particulate matter with aerodynamic diameter less than 2.5 μm are tested using a Met One, BAM Model 1020, $PM_{2.5}$ particulate sampler. This instrument is equipped with a VSCC head to achieve the FEM to generate hourly $PM_{2.5}$ concentrations using a fiber tape and internal carbon$_{14}$ radiation source.

Table 4-12 is a $PM_{2.5}$ data summary and **Figure 4-4** is a graphic presentation of 24-hour average $PM_{2.5}$ data with the concurrent 6-day PM_{10} 24-hour primary sample results.

Table 4-12 $PM_{2.5}$ Data Summary (μg/m^3)

	BAM #1 (Primary)		BAM #2 (Collocated)	
	$PM_{2.5}$ Monthly Ave	$PM_{2.5}$ 24-hour Max	$PM_{2.5}$ Monthly Ave	$PM_{2.5}$ 24-hour Max
January 08	3.0	8.6	1.7	6.5
February 08	4.2	12.4	3.1	12.6
March 08	3.8	9.5	2.5	8.5

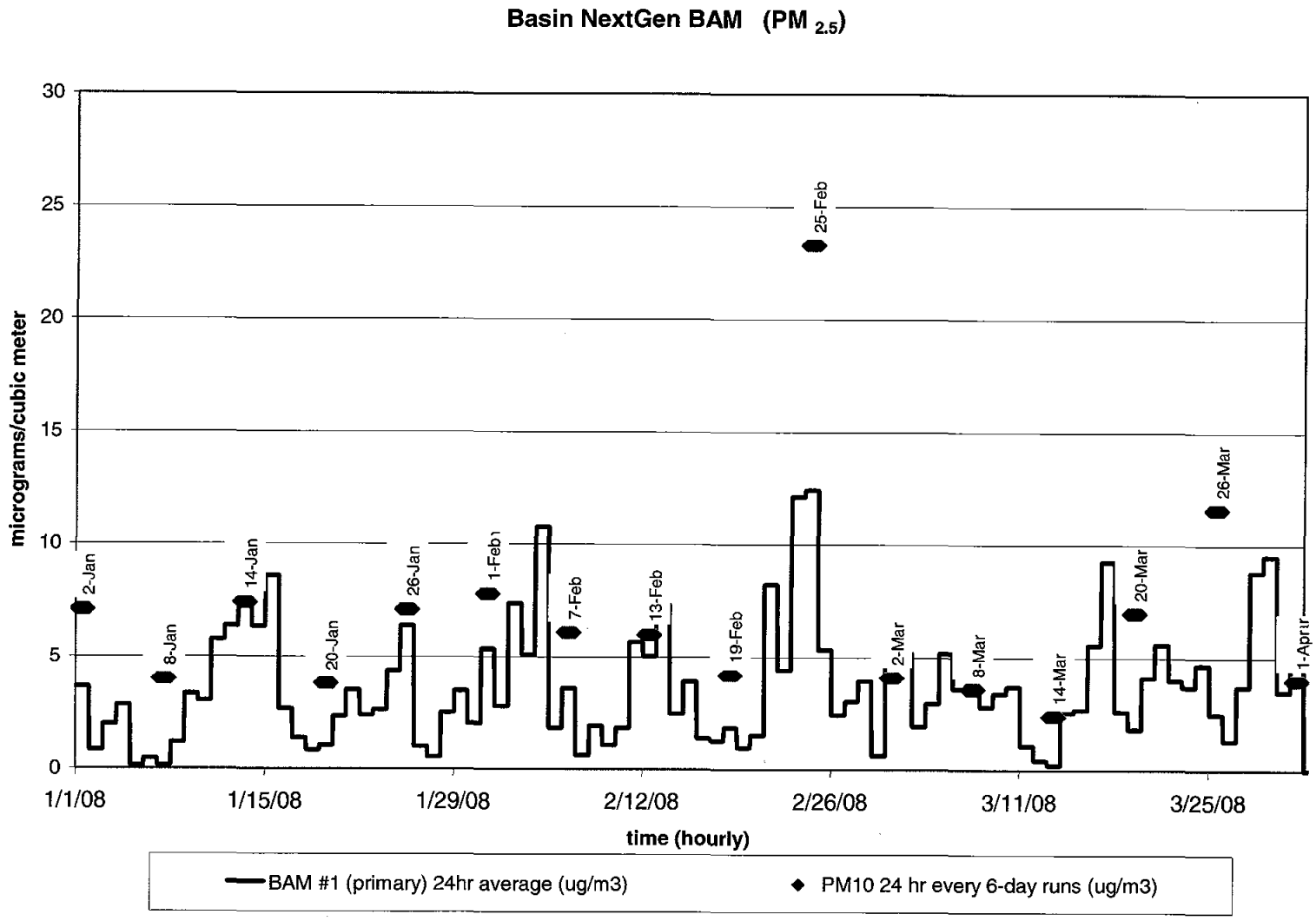

Figure 4-4 **$PM_{2.5}$ Graphical Time Series with Concurrent PM_{10} Data**

5.0 Meteorological Data Summary

At the Basin site, meteorological data are collected in accordance with USEPA Meteorological Monitoring Guidance for Regulation Modeling Applications from an instrumented 100-m tower. The specific instruments and equipment are described in more detail below.

5.1 Horizontal Wind Speed and Direction

Horizontal wind speeds and direction on the tower are measured continuously at the Basin site using Climatronics Model F460 wind systems (100075-G0-H0 for wind speed; 100076-G0-H0 for wind direction). Wind speed is measured using anemometers where the principle of operation is based on a light chopper that produces a frequency proportional to wind speed. The wind direction sensor is a lightweight balanced vane that senses position by a precision potentiometer. The wind sensors are installed at 10m, 50m, and 100m. The standard deviation (sigma-theta) of the wind direction is computed by the data logger using the USEPA preferred Yamartino method (USEPA 2000).

5.2 Temperature and Temperature Difference

Temperatures at the Basin site are measured at four levels on the tower using a Climatronics Model 100093 temperature system. This motor aspirated system includes dual element thermistors mounted at 100m, 50m, 10m and 2m above ground level. Delta-T is calculated by the datalogger based on the difference in temperatures measured by identical sensors at each of the levels, 10-2m, 100-50m, and 50-10m. The datalogger resolves the temperature difference to better than 0.1°C.

This sensor configuration is designed to provide complete signal wire compensation and to eliminate any measurement errors resulting from resistance of the signal cable. The aspirator is mechanically ventilated with a fan to prevent conductive interference from precipitation and radiation from solar and terrestrial sources.

5.3 Vertical Wind Speed and Standard Deviation

Vertical wind speeds on the tower are measured continuously at the Basin site using Climatronics Model 102236-G0 wind systems. Vertical wind speeds are measured using an anemometer where the principle of operation is based on a prop that rotates either clockwise or counter-clockwise, which corresponds to positive or negative voltages that are translated into upward and downward vertical wind speed. The wind sensors are installed at 100m, 50m, and 10m. The standard deviation (sigma-w) of the wind direction is computed by the data logger following the guidelines in USEPA (2000).

5.4 Solar Radiation

At the Basin site, radiation measurements using a Kipp & Zonen model CMP3 pyranometer located at about the 2m level. The sensor is designed for measurement of global (sun and sky) radiation. The detector is a differential thermopile made of plated copper on constantan junctions. Hot-junction receivers are covered with a stable black coating, cold junction receivers are whitened with non-hygroscopic barium sulfate. The sensor is temperature compensated using thermistor circuitry to within 1.5 percent of the range of -20°C to +40°C. The sensor is sensitive to wavelengths of 0.285 to 2.800 μm.

5.5 Relative Humidity (RH)

RH is measured, at 2 m, using a Campbell Scientific model HMP 45C-L humidity sensor. The sensing element is a small hygroscopic thin film capacitor that modifies its value as a function of both the water vapor pressure

and temperature of the environment. The sensor probe electronics automatically compensate for temperature effects on the probe. Sensor output signals are data logger compatible requiring no additional processing.

Table 5-1 10-meter Wind Speed Summary

	WS Monthly Average mps	WS Monthly Max mps	Date Max Occurred	WS Monthly Min mps	Date Min Occurred	Hours of QA/QC Data	Hours of Data Possible	Data Capture Percent
Jan-08	5.3	19.1	01/28/08	0.3	01/14/08	744	744	100.0%
Feb-08	5.3	17.5	02/17/08	0.5	02/05/08	696	696	100.0%
Mar-08	5.6	16.6	03/02/08	0.5	03/14/08	742	744	99.7%

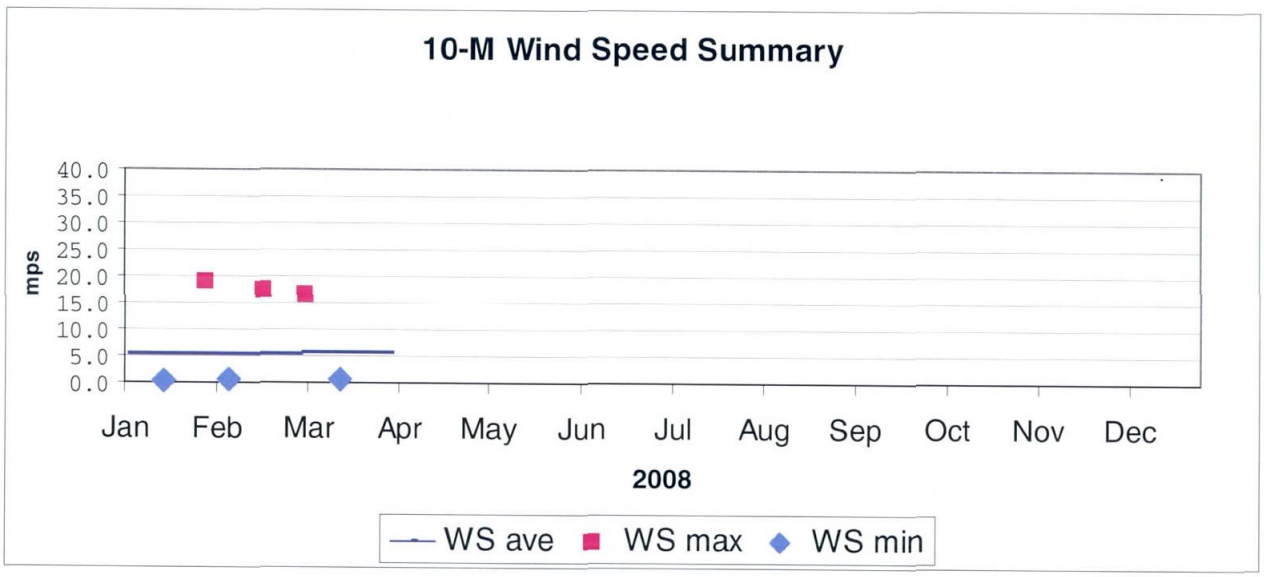

Figure 5-1 10-meter Wind Speed Summary

Table 5-2 50-meter Wind Speed Summary

	WS Monthly Average mps	WS Monthly Max mps	Date Max Occurred	WS Monthly Min mps	Date Min Occurred	Hours of QA/QC Data	Hours of Data Possible	Data Capture Percent
Jan-08	7.6	21.8	01/28/08	0.4	01/20/08	744	744	100.0%
Feb-08	7.0	20.3	02/17/08	0.1	02/04/08	696	696	100.0%
Mar-08	7.5	19.4	03/02/08	0.8	03/14/08	742	744	99.7%

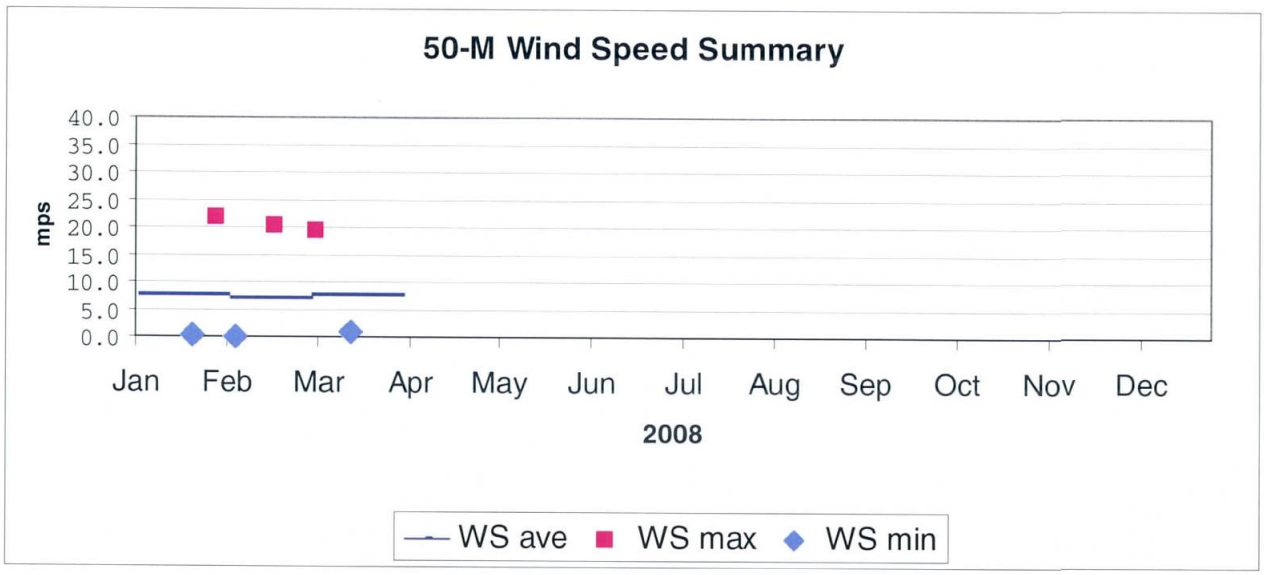

Figure 5-2 50-meter Wind Speed Summary

Table 5-3 100-meter Wind Speed Summary

	WS Monthly Average mps	WS Monthly Max mps	Date Max Occurred	WS Monthly Min mps	Date Min Occurred	Hours of QA/QC Data	Hours of Data Possible	Data Capture Percent
Jan-08	8.7	22.9	01/28/08	0.5	01/14/08	744	744	100.0%
Feb-08	7.7	21.8	02/17/08	0.1	02/04/08	696	696	100.0%
Mar-08	8.4	21.2	03/02/08	0.1	03/21/08	742	744	99.7%

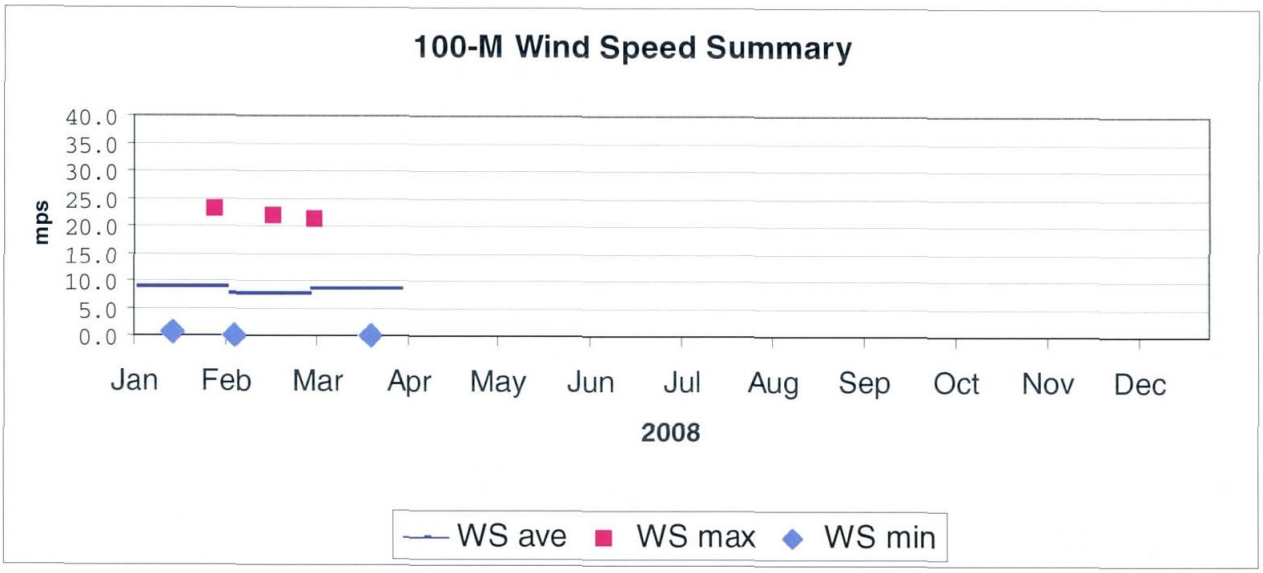

Figure 5-3 100-meter Wind Speed Summary

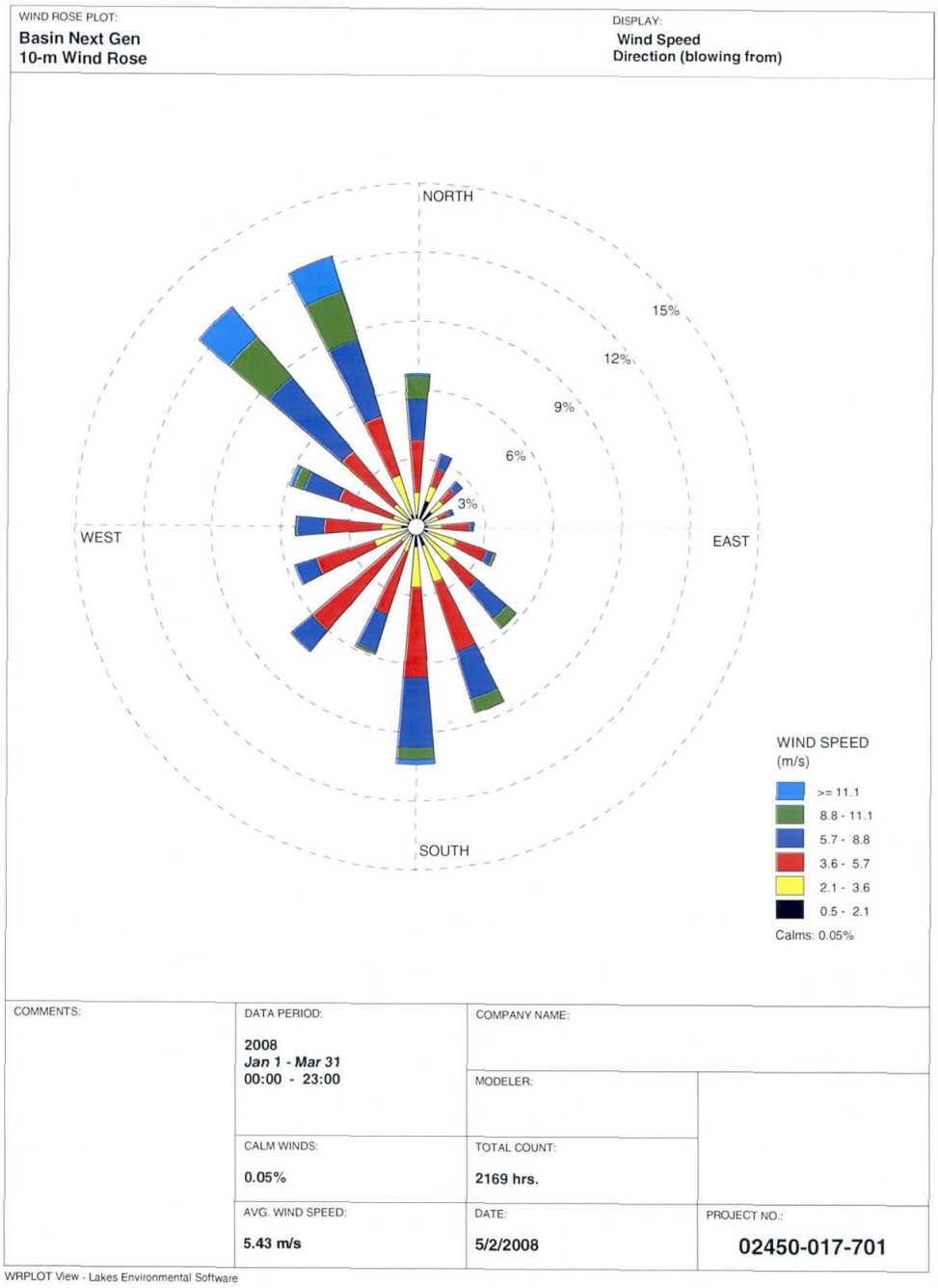

Figure 5-4 10-meter Wind Rose

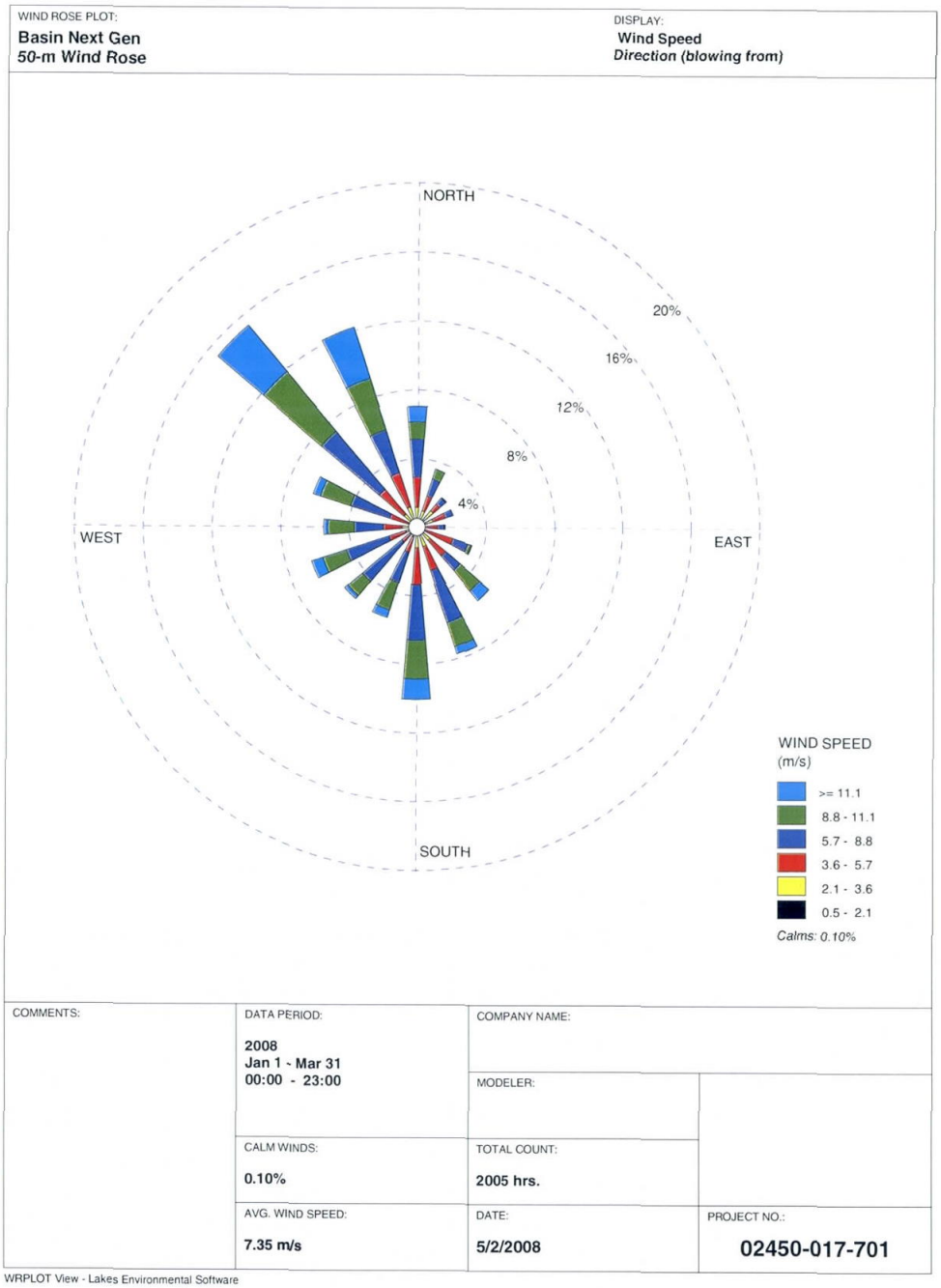

Figure 5-5 50-meter Wind Rose

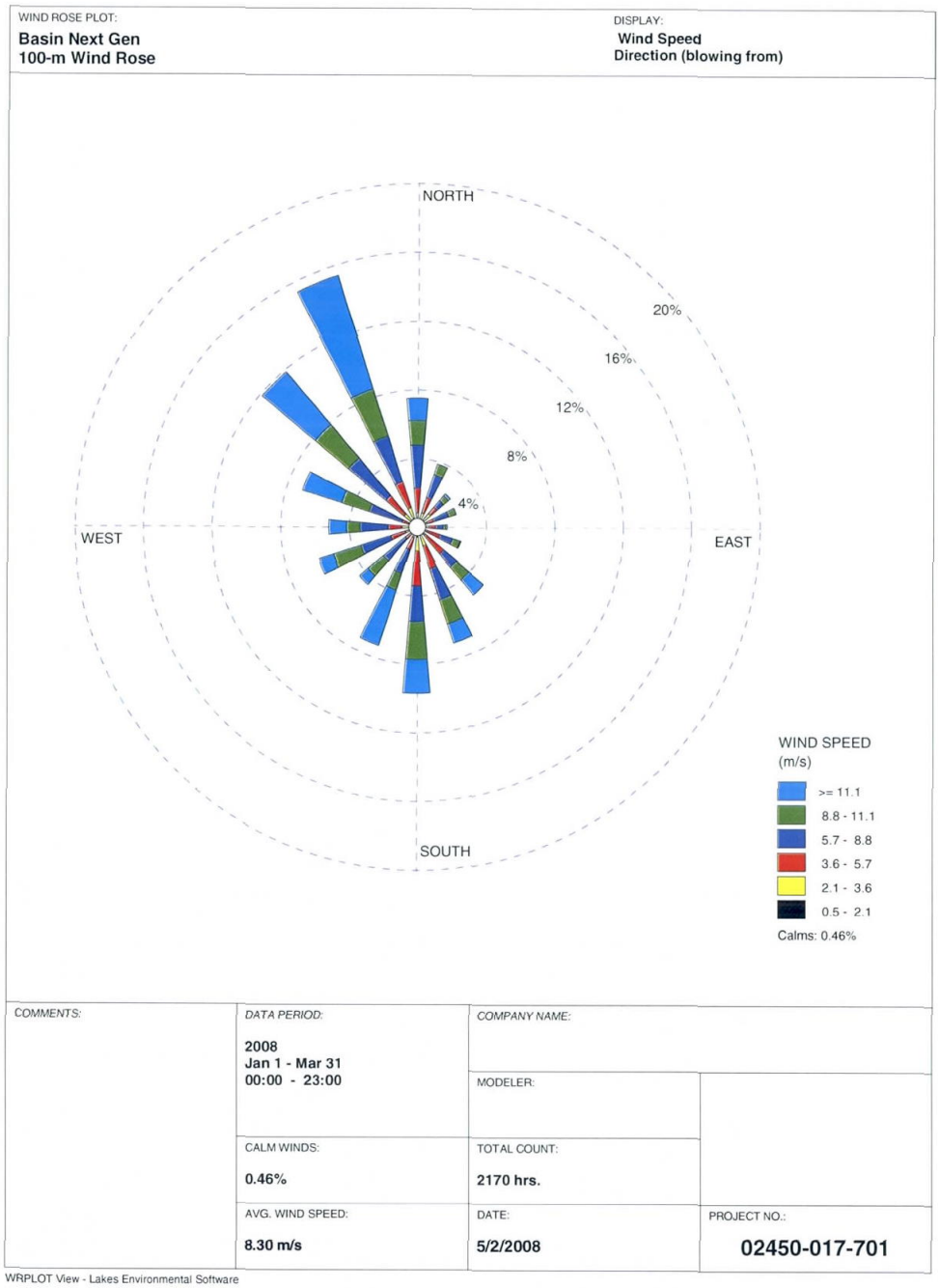

Figure 5-6 100-meter Wind Rose

Table 5-4 2-meter Temperature Summary

	Temp Monthly Average deg C	Temp Monthly Max deg C	Date Max Occurred	Temp Monthly Min deg C	Date Min Occurred	Hours of QA/QC Data	Hours of Data Possible	Data Capture Percent
Jan-08	-9.7	8.2	01/28/08	-25.8	01/29/08	744	744	100.0%
Feb-08	-8.2	9.4	02/28/08	-28.8	02/20/08	696	696	100.0%
Mar-08	-1.2	16.1	03/24/08	-22.2	03/07/08	744	744	100.0%

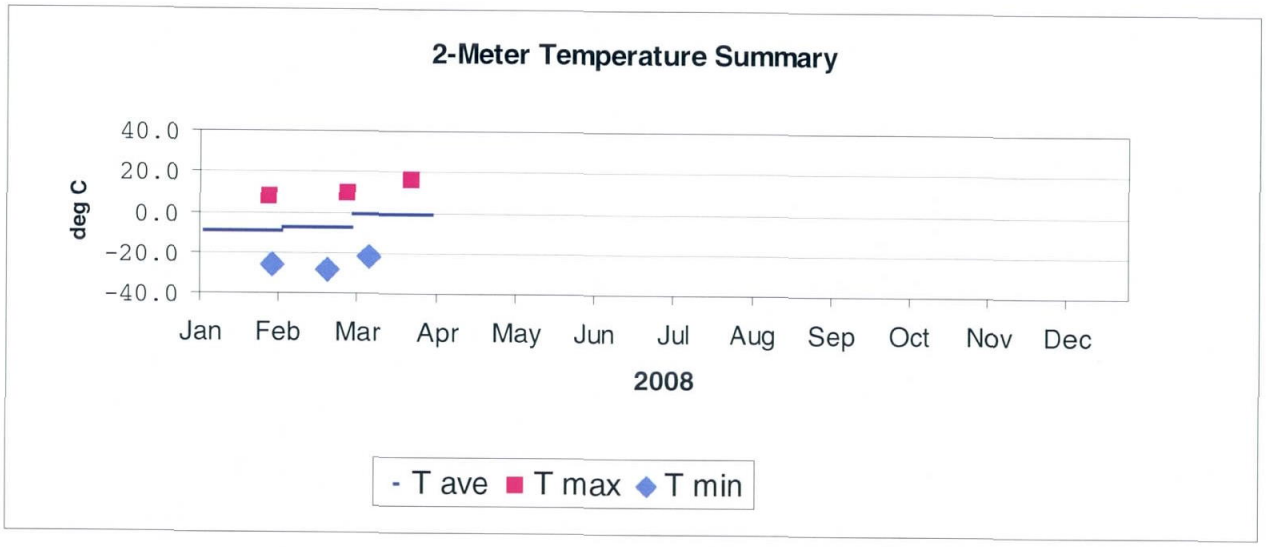

Figure 5-7 2-meter Temperature Summary

Table 5-5 10-meter Temperature Summary

	Temp Monthly Average deg C	Temp Monthly Max deg C	Date Max Occurred	Temp Monthly Min deg C	Date Min Occurred	Hours of Valid Data	Hours of Data Possible	Data Capture Percent
Jan-08	-9.3	8.4	01/28/08	-26.4	01/29/08	744	744	100.0%
Feb-08	-8.0	8.4	02/28/08	-28.9	02/20/08	696	696	100.0%
Mar-08	-1.1	15.6	03/24/08	-21.3	03/07/08	742	744	99.7%

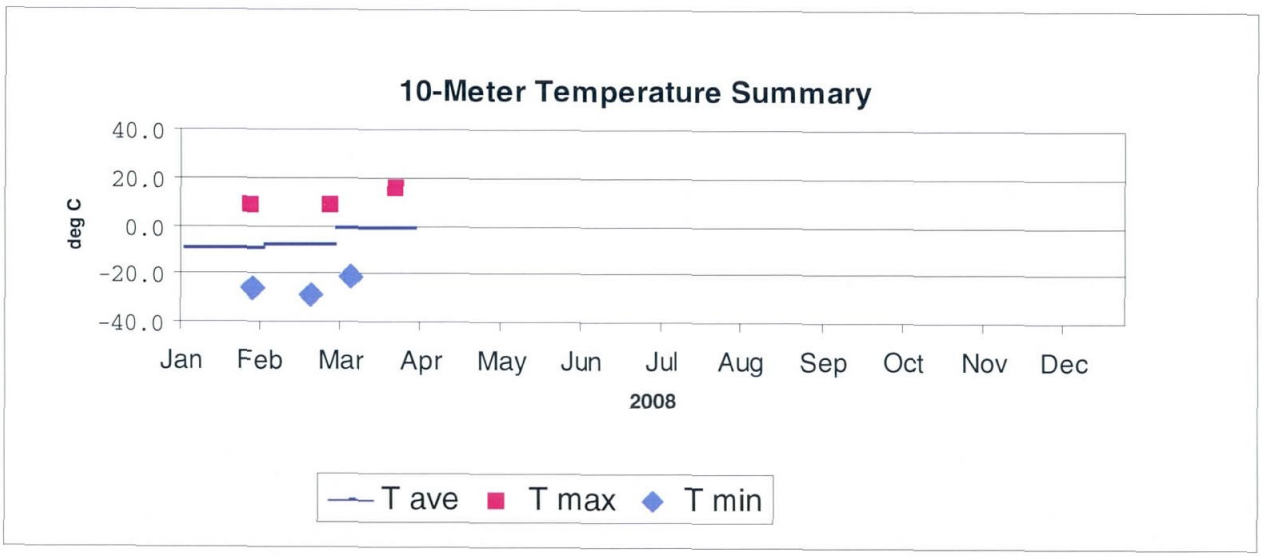

Figure 5-8 10-meter Temperature Summary

Table 5-6 50-meter Temperature Summary

	Temp Monthly Average deg C	Temp Monthly Max deg C	Date Max Occurred	Temp Monthly Min deg C	Date Min Occurred	Hours of Valid Data	Hours of Data Possible	Data Capture Percent
Jan-08	-8.3	11.0	01/28/08	-27.1	01/29/08	744	744	100.0%
Feb-08	-7.6	7.6	02/28/08	-29.3	02/20/08	696	696	100.0%
Mar-08	-0.7	15.1	03/24/08	-19.3	03/07/08	742	744	99.7%

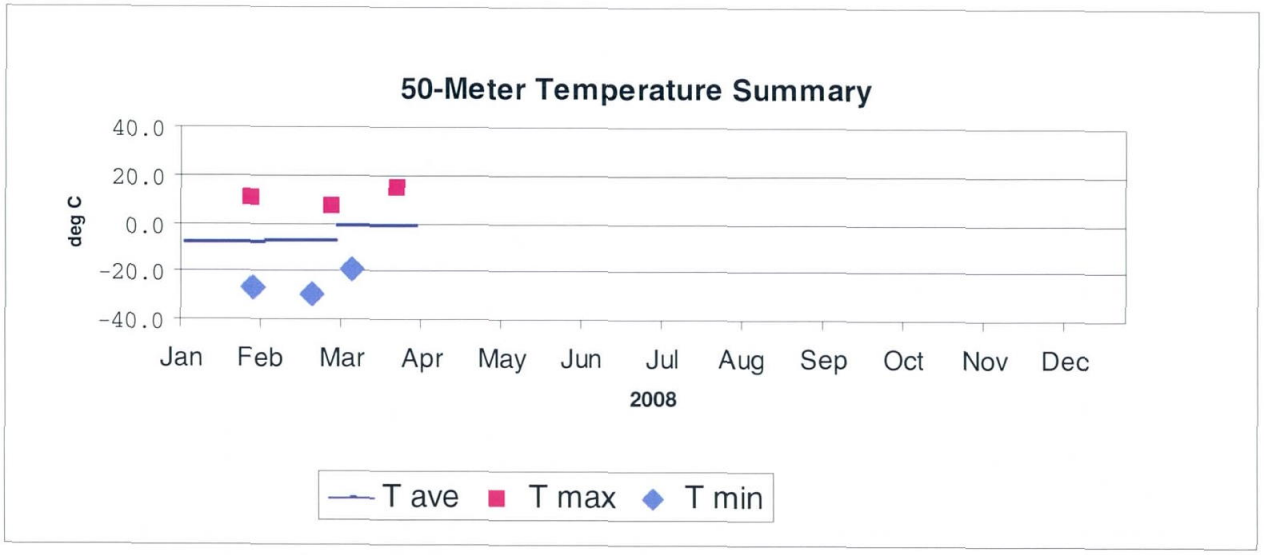

Figure 5-9 50-meter Temperature Summary

Table 5-7 100-meter Temperature Summary

	Temp. Monthly Average deg C	Temp. Monthly Max deg C	Date Max Occurred	Temp. Monthly Min deg C	Date Min Occurred	Hours of Valid Data	Hours of Data Possible	Valid Data Capture Percent
Jan-08	-7.6	12.8	01/28/08	-27.6	01/29/08	744	744	100.0%
Feb-08	-7.4	7.1	02/28/08	-29.7	02/20/08	696	696	100.0%
Mar-08	-0.7	15.0	03/11/08	-19.0	03/07/08	742	744	99.7%

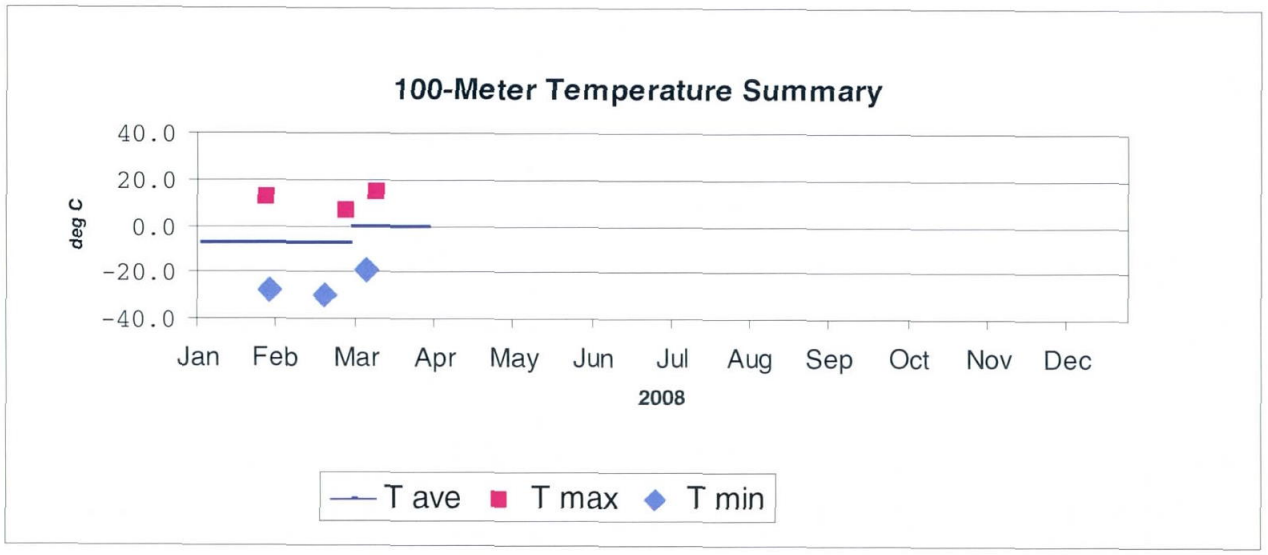

Figure 5-10 100-meter Temperature Summary

Table 5-8 10-2 Delta Temperature Summary

	Delta T Monthly Average deg C	Delta T Monthly Max deg C	Date Max Occurred	Delta T Monthly Min deg C	Date Min Occurred	Hours of QA/QC Data	Hours of Data Possible	Data Capture Percent
Jan-08	0.39	5.50	01/19/08	-1.28	01/15/08	744	744	100.0%
Feb-08	0.20	5.76	02/22/08	-1.41	02/18/08	696	696	100.0%
Mar-08	0.19	4.97	03/26/08	-1.73	03/25/08	742	744	99.7%
Deg C/m								
Jan-08	0.05	0.69	01/19/08	-0.16	01/15/08	744	744	100.0%
Feb-08	0.03	0.72	02/22/08	-0.18	02/18/08	696	696	100.0%
Mar-08	0.02	0.62	03/26/08	-0.22	03/25/08	742	744	99.7%

Table 5-9 50-10 Delta Temperature Summary

	Delta T Monthly Average deg C	Delta T Monthly Max deg C	Date Max Occurred	Delta T Monthly Min deg C	Date Min Occurred	Hours of QA/QC Data	Hours of Data Possible	Data Capture Percent
Jan-08	1.08	8.72	01/05/08	-1.70	01/15/08	744	744	100.0%
Feb-08	0.43	7.10	02/22/08	-1.15	02/02/08	696	696	100.0%
Mar-08	0.34	9.06	03/10/08	-1.07	03/25/08	742	744	99.7%
Deg C/m								
Jan-08	0.03	0.22	01/05/08	-0.04	01/15/08	744	744	100.0%
Feb-08	0.01	0.18	02/22/08	-0.03	02/02/08	696	696	100.0%
Mar-08	0.01	0.23	03/10/08	-0.03	03/25/08	742	744	99.7%

Table 5-10 100-50 Delta Temperature Summary

	Delta T Monthly Average deg C	Delta T Monthly Max deg C	Date Max Occurred	Delta T Monthly Min deg C	Date Min Occurred	Hours of QA/QC Data	Hours of Data Possible	Data Capture Percent
Jan-08	0.63	7.09	01/05/08	-0.81	01/15/08	744	744	100.0%
Feb-08	0.18	5.96	02/15/08	-0.72	02/25/08	696	696	100.0%
Mar-08	-0.01	3.53	03/11/08	-0.88	03/21/08	742	744	99.7%
Deg C/m								
Jan-08	0.01	0.14	01/05/08	-0.02	01/15/08	744	744	100.0%
Feb-08	0.00	0.12	02/15/08	-0.01	02/25/08	696	696	100.0%
Mar-08	0.00	0.07	03/11/08	-0.02	03/21/08	742	744	99.7%

Table 5-11 Solar Radiation Summary

	Sol Rad Monthly Total w/m^2	Sol Rad 24 hour Max w/m^2	Sol Rad 1 hour Max w/m^2	Date 1 hour Max Occurred	Hours of QA/QC Data	Hours of Data Possible	Data Capture Percent
Jan-08	60015	2917	528	01/24/08	744	744	100.0%
Feb-08	81742	4397	623	02/29/08	696	696	100.0%
Mar-08	117296	5725	865	03/27/08	744	744	100.0%

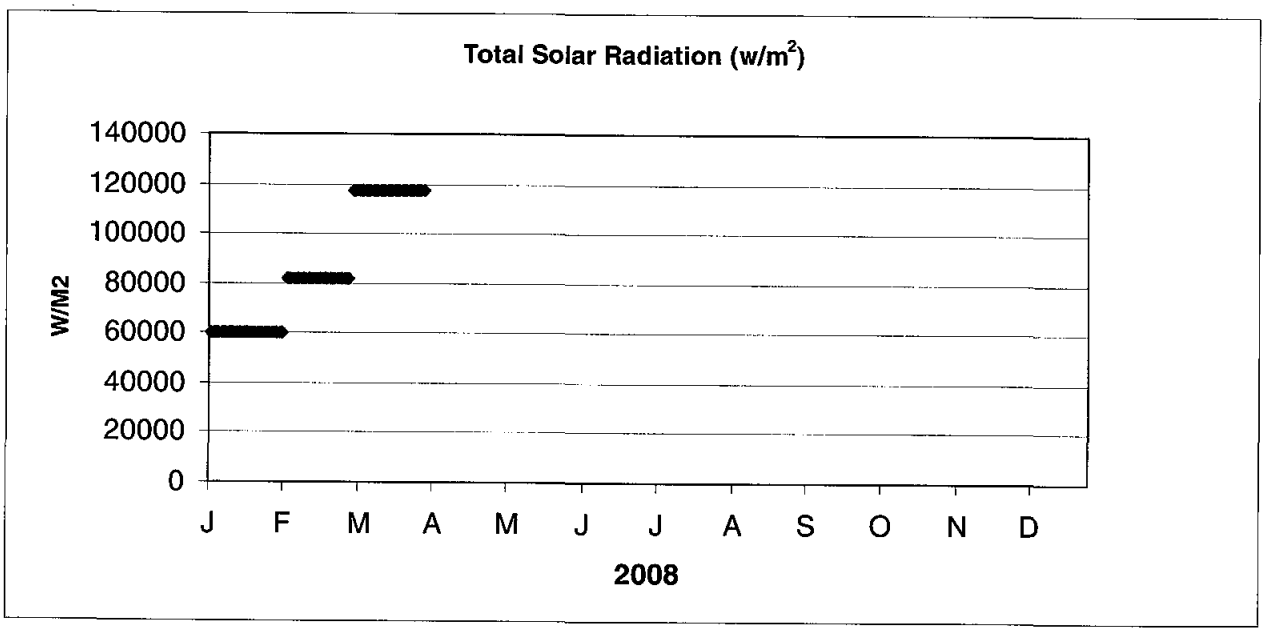

Figure 5-11 Solar Radiation

Table 5-12 Relative Humidity

	RH% Monthly Average	RH% Monthly Max	Date Max Occurred	RH% Monthly Min	Date Min Occurred	Hours of QA/QC Data	Hours of Data Possible	Data Capture Percent
Jan-08	76.5	98.6	01/15/08	42.6	01/30/08	744	744	100.0%
Feb-08	77.5	99.4	02/04/08	35.6	02/07/08	696	696	100.0%
Mar-08	70.5	100.0	03/20/08	20.9	03/24/08	744	744	100.0%

Table 5-13 Barometric Pressure Summary

	Pressure Monthly Average (mb)	Pressure Monthly Max (mb)	Date Max Occurred	Pressure Monthly Min (mb)	Date Min Occurred	Hours of QA/QC Data	Hours of Data Possible	Data Capture Percent
Jan-08	705	722	01/02/08	683	01/28/08	744	744	100.0%
Feb-08	705	719	02/10/08	694	02/13/08	696	696	100.0%
Mar-08	706	719	03/22/08	693	03/01/08	744	744	100.0%

Table 5-14 Precipitation Summary

	Precip. Monthly Total Inches	Precip. 24 hour Max Inches	Precip. 1 hour Max Inches	Date 1 hour Max Occurred	Hours Of QA/QC Data	Hours of Data Possible	Data Capture Percent
Jan-08	0.00	0.00	0.00	01/01/08	744	744	100.0%
Feb-08	0.07	0.04	0.01	02/04/08	696	696	100.0%
Mar-08	0.31	0.09	0.05	03/27/08	744	744	100.0%

5.6 Barometric Pressure

Barometric pressure is measured using a Climatronics Model 102663-G0-10 pressure sensor. The pressure sensor is a piezoresistive device. The sensor is ideally suited to applications requiring accurate measurement of pressure. The sensor provides 0-1V DC over a 600 to 1,100 hPascals range.

5.7 Precipitation

A Climatronics Model 100097-1-G0 6-inch tipping bucket precipitation gauge is used to measure rainfall. Precipitation is channeled to a triangular bucket that tips once for each 0.01 inch of water collected. When the bucket empties, it activates a switch that is monitored and recorded by the data acquisition system.

5.8 Data Accuracy

A final independent quality assurance audit was on March 4, 2008. A copy of that report can be found in Appendix E. The report shows all audited systems to be operating within accuracy goals.

6.0 References

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Yamartino, R. J. 1984. A Comparison of Several "Single Pass" Estimators of the Standard Deviation of Wind.

Appendix A

Data Processing Specifications and Statistical Formulae

APPENDIX A

Data Processing Specifications and Statistical Formulae

A.1 PM_{10} Arithmetic Mean

The arithmetic mean was computed for each PM_{10} sampler using the following equation:

Arithmetic Mean =

$$\frac{1}{n}\sum_{j=1}^{n} PM_{10_j}$$

Where n is the number of valid samples and PM_{10j} is the individual PM_{10} concentrations measured.

A.2 Data Capture Percentage

The total data capture percentage (P_t) for each parameter is determined by:

$$P_t = \frac{h_v}{h_t} x\ 100$$

Where: h_v = number of hours of valid data
h_t = total hours in the period

A.3 Methods for Calculation of Precision and Accuracy Continuous Analyzer[1]

Statistics reported in this monitoring report are performed using the equations and methods according to Section 4 of Appendix A of 40 CFR Part 58 title Calculations for Data Quality Assessment.

A.4 Calculation of Hourly Sigma-Theta Values[2]

The hourly values of sigma-theta were calculated from the 15-minute averages using the following equation:

$$\sigma_\theta(hourly) = \sqrt{\frac{\sum_{i=1}^{n}\sigma_{\theta i}^2}{n}}$$

[1]U.S.EPA 40 CFR Part 58 Appendix A (Revised October 2006) Ambient Air Quality Surveillance

[2]U.S. EPA. Guideline on Air Quality Models (Revised). EPA-450/2-78-027R. 1986.

Appendix B

Unit Vector Averaging Method for Wind Directions

APPENDIX B

Unit Vector Method for Averaging Wind Direction

The unit vector method for averaging wind direction reduces the wind direction for a given period to a "unit vector" and subsequently does not weight the north-south and east-west components of the wind direction by the wind speed. The formula for the components of the wind direction, both in the X-direction and the Y-direction, is as follows;

$$V_x = -(1/N)\,\Sigma \sin(A_i)$$
$$V_y = -(1/N)\,\Sigma \cos(A_i)$$

where A_i is the wind direction for a specific period and N is the number of such observations for the hour.

The formula for calculating wind direction is then:

$$\text{Vector Wind} = \text{Arc Tan}\,(V_x/V_y)$$

If the Y-direction component (V_y) is zero and the X-direction component (V_x) is non-zero, then the Vector Wind is set to 90°. However, if V_x is set to zero, the Unit Vector Wind is calculated based on the sign of the component winds in the formula below.

$$\text{Unit Vector Wind} = \text{Vector Wind} + \text{FLOW}$$

FLOW is determined by examining the signs of both V_x and V_y. If these are both less than or equal to zero, FLOW is set to zero. If V_x is negative, FLOW is set to 360°. If both are positive, FLOW is set to 180°. The algorithm below describes how FLOW is determined.

```
IF (Vy ≤ 0) THEN
    IF (Vx ≤ 0) THEN
        FLOW = 0°

    ELSE
        FLOW =360°
    ELSE
        FLOW = 180°
```

Appendix C

Quarterly Calibrations, Certifications, and Filter Processing Information

TECO 146 BIOS FLOW CALIBRATIONS

SITE:	Basin Electric		DATE:	3/4/2008		SERIAL NUMBER:	30141-237
FLOW STANDARD:		BIOS	MODEL:	DC-1 Rev. E	SN 1837	CAL.DATE:	1/23/2008
FLOW STANDARD:		BIOS	MODEL:	DC-MC-1 Rev E	SN 809	CAL.DATE:	1/23/2008
PRESS:	700.1	mmHg	DEG C:	24.5	TEMP:	297.65	DEG/K
CORR. FAC. (QA TO QSTD = 298/760 * PA/TA) =						0.9220	

	AIR FLOW METER				GAS FLOW METER				
	BIOS			PVA	BIOS			PVA	
	FLOW CC/M	Y FLOW STD/CCM	X DISPLAY (AIR)	VOLTS	FLOW ACCM	Y FLOW STD/CCM	X DISPLAY (GAS)	VOLTS	
200	**1844**	1695	**1.99**	**0.993**	**15.75**	14.5	**13.5**	**0.746**	150
400	**4164**	3828	**4.02**	**1.975**	**33.09**	30.4	**27.5**	**1.482**	300
500	**5326**	4896	**5.05**	**2.468**	**55.73**	51.2	**46.3**	**2.463**	500
600	**6473**	5950	**6.06**	**2.958**	**66.96**	61.6	**55.7**	**2.954**	600
700	**7638**	7021	**7.08**	**3.450**	**77.89**	71.6	**65.1**	**3.447**	700
800	**8770**	8062	**8.08**	**3.935**	**88.81**	81.6	**74.6**	**3.940**	800
	M=	1045.18			**M=**	1.0999			
	B=	-381.03			**B=**	-0.002			
	CORR=	0.999998			**CORR=**	0.999920			

Front Panel Display Sets

	ZERO	GAS	OZONE
EXTERNAL	504	718	468
INTERNAL	599	175	450

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NO/NOX/NO2 CALIBRATION

NETWORK:	East Side Resource	SITE:	Basin Electric	DATE: 3/4/08	FINAL 1st Quarter 2008

Instrument:	42C			Station Calibrator:	TEI146	SN: 30141-237	Comments:
SN:	70181-365			Cert. Date:			
NO Bkg	6.1	Internal Temp:	36.6	Air M=	1045.2	B= -381.0	External: 504, 718, 460
NOX Bkg	6.5	Chamber Temp:	49.2	Gas M=	1.1	B= -0.002	Internal: 599, 175, 470
NO Coeff	0.751	Cooler Temp	-2.3	DVM:	Fluke 87V	SN: 90850057	
NOx Coeff	0.995	Converter Temp:	323.0	Cert. Date:	1/11/2008		
NO2 Coeff	1.000	Converter Set:	325.0	Station Gas SN:	JJ8896	Conc: 31.1	Tech: BCJ
Sample Flow:	0.639	Pressure:	214.1	Cyl. Pressure:	500	Exp Date: 3/8/2009	QA Review:

Station Calibrator Settings					Input			System Responses						Percent Difference		
O_3 Setting	Gas Setting	Air Setting	Gas Flow ccm	Air Flow ccm	(ppm) NO_x	NO_2	NO	NOx DAS (ppm)	NO2 DAS (ppm)	NO DAS (ppm)	NOx Response (chart %)	NO2 Response (chart %)	NO Response (volts)	NOx bias/ Δ%	NO2 bias/ Δ%	NO bias/ Δ%
n/a	n/a	5.15	0.0	5000	0.000	0.000	0.000	-0.001	0.001	0.000	n/a	n/a	0.000	-0.001	n/a	0.000
n/a	15.8	6.11	17.4	6000	0.090	0.000	0.090	0.090	0.002	0.090	n/a	n/a	0.175	-0.4	n/a	0.0
n/a	29.4	5.15	32.4	5000	0.200	0.000	0.200	0.200	0.000	0.200	n/a	n/a	0.398	0.0	n/a	0.0
n/a	66.7	5.15	73.4	5000	0.450	0.000	0.450	0.451	-0.001	0.449	n/a	n/a	0.905	0.2	n/a	-0.2
GPT Runs:																
450-Internal	66.7	5.15	73.4	5000	0.450	0.367	0.083	0.441	0.357	0.083	n/a	n/a	0.095	-2.0	-2.8	0.2
362-Internal	66.7	5.15	73.4	5000	0.450	0.205	0.245	0.442	0.198	0.245	n/a	n/a	0.493	-1.8	-3.3	-0.1
468-external	66.7	5.15	73.4	5000	0.450	0.093	0.357	0.455	0.090	0.356	n/a	n/a	0.722	1.1	-3.6	-0.2
320-external	66.7	5.15	73.4	5000	0.450	0.034	0.416	0.447	0.031	0.416	n/a	n/a	0.834	-0.8	-0.003	-0.2

Internal Ozone Dial

NO_2 converted to NO for each GPT run:	0.357	1.0037	0.9773	0.9969	**<=Slope**
	0.196	-0.0007	-0.0018	0.0004	**<=Intercept**
	0.097	1.0000	1.0000	1.0000	**<=R2**
	0.029				

Converter Efficiency: 100.4%

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SO2 GAS DILUTION CALIBRATION

NETWORK:	East Side Resource	SITE:	Basin Electric	DATE:	3/4/08	Calibration	1st Quarter 2008

Instrument:	43A		
SN:	29727-236		
	Initial	Final	
Zero Set	256	275	
Span Set	85	10	
Flow	0.43	0.43	LPM
Vacuum	19.5	19.5	
Lamp Volts	1063	1063	(800-1200)

Calibrator:	Teco 146	SN:	30141-237
Cert. Date:			
Air M=	1045.18	B=	-381.03
Gas M=	1.100	B=	-0.002
DVM:	Fluke 87V	SN:	90850057
Cert. Date:	2/21/2007		
Gas Cylinder SN:	JJ8896	Conc.:	30.3
Cylnder Pressure:	500	Exp Date:	3/8/2009

Comments:

Flows and Settings				Initial Results				Final Results			Delta %	
Gas Flow		Air Flow		Input	INITIAL			FINAL			Initial	Final
cc/m	Set	L/M	Set	SO2	DAS	Volt	Chart%	DAS	Volt	Chart%	% Error	% Error
N/A	N/A	5000		**.000**	0.001	0.003	na	-0.001	-0.001	na	N/A	N/A
73.41	**66.7**	5000		**.438**	0.438	0.836	na	0.440	0.876	na	-0.1%	0.4%
32.36	**29.4**	5000		**.195**	0.195	0.441	na	0.198	0.387	na	0.1%	1.6%
17.41	**15.8**	6000		**.088**	0.088	0.183	na	0.089	0.171	na	0.4%	1.5%

M=	0.997852361	M=	0.999511092
B=	0.000527914	B=	0.002129285
Corr.=	1.00000	Corr.=	0.99998

Signature: BCJ

QA/QC:

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OZONE CALIBRATION

DATE: 3/4/2008 NETWORK: East Side Resource STATION: Basin Electric

ANALYZER: TECO 49C SN 0517812012 Background: -0.09 COEF: 0.989

STANDARD: Teco 49TS SN: 33799-246 CERTIFICATION DATE: 3/4/07

SETTING	IN-STATION TS RESULT	PPM	DATALOGGER RESULT	PPM	DELTA %	DISPLAY PPM	CHART %	CHART PPM
Switch 6,5,1	0.001	0.001	-0.001	0.000	-0.001	-0.001		0.000
	0.001		0.001			-0.001		
	0.001		0.001			-0.001		
	0.001		-0.001			-0.001		
	0.001		0.000			-0.001		
AVG	0.001		0.000			-0.001		
Switch 7,5,1 Level 1 57.0%	0.453	0.454	0.452	0.453	-0.3%	0.450		0.000
	0.454		0.452			0.450		
	0.454		0.454			0.451		
	0.455		0.453			0.450		
	0.455		0.453			0.450		
AVG	0.454		0.453			0.450		
Switch 7,5,1 Level 1 39.0%	0.200	0.200	0.198	0.198	-1.1%	0.175		0.000
	0.200		0.198			0.176		
	0.200		0.199			0.176		
	0.200		0.197			0.175		
	0.200		0.199			0.176		
AVG	0.200		0.198			0.176		
Switch 8,5,1 Level 2 32.0%	0.093	0.093	0.092	0.092	-1.6%	0.091		0.000
	0.093		0.091			0.091		
	0.093		0.092			0.091		
	0.093		0.092			0.090		
	0.093		0.092			0.090		
AVG	0.093		0.092			0.091		

M= 0.999978 B= -0.001514 CORR.= 0.999998

INTENSITY A: 146544 INTENSITY B: 73160 O_3 LAMP: 70.7

FLOW A: 0.660 FLOW B: 0.621 BENCH LAMP TEMP: 56.3

PRESSURE: 712.0 BENCH TEMP: 32.9

Comments:

TECH: BCJ

QA/QC: TR

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HI VOLUME SAMPLER CALIBRATION
(VFC TYPE SAMPLER)
PM_{10}

SAMPLING NETWORK: East Side Resource SITE: Basin Electric DATE: 3/3/2008

SAMPLER:	PM10# 1	ORIFICE SN:	1170	BP (mmHg) :	705.3 =P(a)
SN:	904	CALIBRATION DATE:	4/25/2007	SEASONAL PRESSURE (mmHg) :	708.0 =P(s)
MAN:	Tisch Environmental	M=	0.95733	AMBIENT TEMP (°C) :	-1.3 =T(a)
		B=	0.00492	AMBIENT TEMP (°K) :	271.9 =T(a)
		R=	0.99997	SEASONAL TEMP (°K) :	267.4 =T(s)

REASON FOR CALIBRATION: Quarterly Calibration

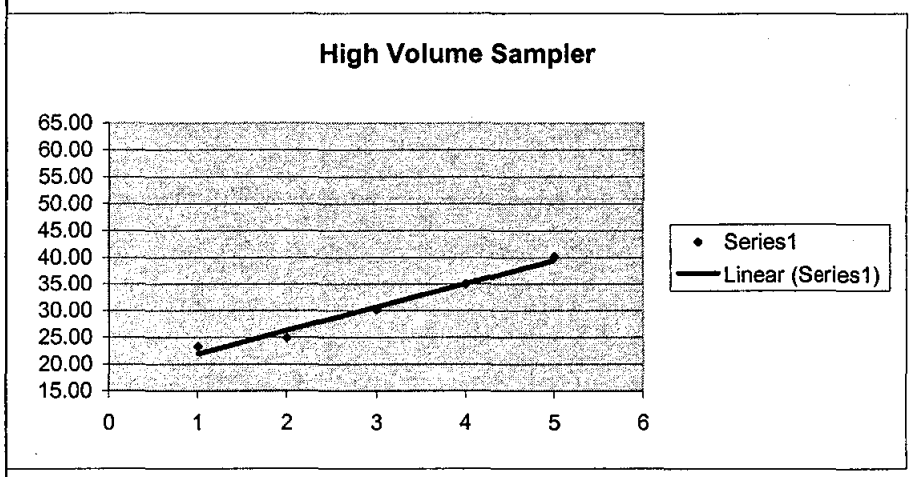
ORIFICE FLOW X axis — INDICATED (I) Y axis 2.4

SETTING	TOTAL H2O (in.H2O)	Qa M^3/min	Qa CFM	Qa $(Ta)^{1/2}$	Pstg (in.H20)	P1=Pa-Pstg mmHg	P1/Pa
1	2.75	1.070	37.8	0.0649	23.27	661.79	0.9383
2	2.70	1.060	37.4	0.0643	24.90	658.74	0.9340
3	2.65	1.051	37.1	0.0637	30.13	648.96	0.9201
4	2.55	1.030	36.4	0.0625	35.05	639.76	0.9071
5	2.40	1.000	35.3	0.0606	40.10	630.31	0.8937
OPERATIONAL FLOW RATE-Qa		1.0912	38.5		18.7	670.33	0.9504
OPERATIONAL FLOW RATE-QaAVG		1.0823	38.2		18.7	673.03	0.9506

QA(orifice)= [{(dH2O)(Ta/Pa)}]SQRT- B] / M

SAMPLER CALIBRATION RELATIONSHIP

M= 10.7031 B= 0.2420 CORR.= 0.9807



For calculation of sampler flow rate:
Qa=[(P1/Pa-B)($Ta^{1/2}$)]/M
QaAVG=[(P1/Pavg-B)($Tavg^{1/2}$)]/M
(Corrected to mean average conditions)
PM10 Flows (36-44 acfm)

TECH: BCJ
QA Review

Comments: Cleaned impaction plate and re-greased surface

ENSR | AECOM

HI VOLUME SAMPLER CALIBRATION
(VFC TYPE SAMPLER)
PM_{10}

SAMPLING NETWORK: East Side Resources SITE: Basin Electric DATE: 3/3/2008

SAMPLER:	PM10 #2	ORIFICE SN:	1170	BP (mmHg) :	705.3 =P(a)
SN:	903	CALIBRATION DATE:	4/25/2007	SEASONAL PRESSURE (mmHg) :	708.0 =P(s)
MAN:	Tisch Environmental	M=	0.95733	AMBIENT TEMP (°C) :	-0.3 =T(a)
		B=	0.00492	AMBIENT TEMP (°K) :	272.9 =T(a)
		R=	0.99997	SEASONAL TEMP (°K) :	267.4 =T(s)

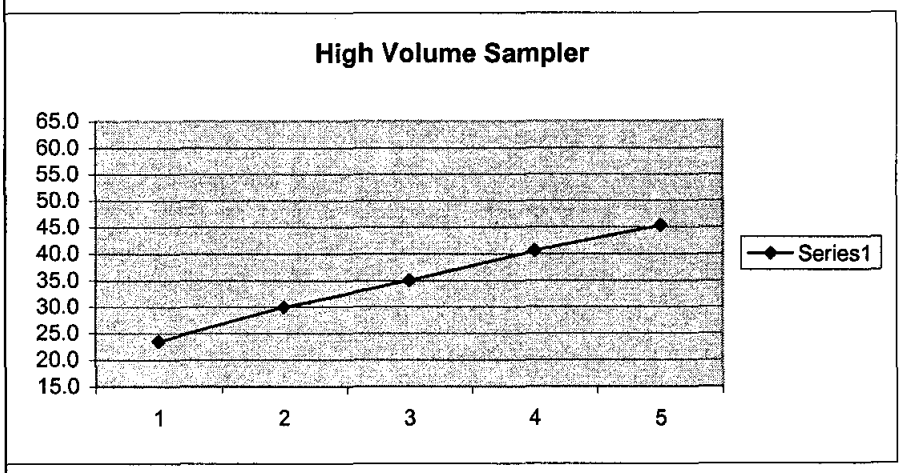
REASON FOR CALIBRATION: Quarterly Calibration

	ORIFICE FLOW				INDICATED (I)		
		X axis			Y axis		
SETTING	TOTAL H2O (in.H2O)	Qa M^3/min	Qa CFM	$\frac{Qa}{(Ta)^{1/2}}$	Pstg (in.H20)	P1=Pa-Pstg mmHg	P1/Pa
1	2.75	1.072	37.9	0.0649	23.4	661.54	0.9380
2	2.60	1.042	36.8	0.0631	30.0	649.29	0.9206
3	2.50	1.022	36.1	0.0619	35.0	639.85	0.9072
4	2.40	1.001	35.4	0.0606	40.6	629.38	0.8924
5	2.25	0.969	34.2	0.0587	45.3	620.59	0.8799
OPERATIONAL FLOW RATE-Qa		1.0960	38.7		18.53	670.65	0.9509
OPERATIONAL FLOW RATE-QaAVG		1.0849	38.3		18.53	673.35	0.9511

QA(orifice)= [{(dH2O)(Ta/Pa)}]SQRT- B] / M

SAMPLER CALIBRATION RELATIONSHIP

M= 9.5931 B= 0.3143 CORR.= 0.9949



For calculation of sampler flow rate:
$Qa=[(P1/Pa-B)(Ta^{1/2})]/M$
$QaAVG=[(P1/Pavg-B)(Tavg^{1/2})]/M$
(Corrected to mean average conditions)
PM10 Flows (36-44 acfm)

TECH: BCJ
QA Review

Comments: Cleaned impaction plate and re-greased surface

STATION 1

BAM 1020 Calibration Sheet

Model:	1020
S/N	G 4595
Audit Date:	3/4/2008

Audited By: BCJ

Flow Audits			
	Model	S/N	Cal Date:
Flow Reference Standard Used:	Bios DC-HC-1	1837	1/23/2008
Temperature Standard Used:	Techne 4400	304004	1/22/2008
Barometric Standard Used:	Meriam 350	949570	1/20/2008(exp7/19/08)

Leak Check Value (LPM): as found: 0.2 as left: 0.1

		BAM	Ref. Std.			BAM	Ref. Std.
Ambient Temperature:	as found:	0.6	0.4	C	as left:	0.4	0.4
Barometric Pressure:	as found:	701	701	mmHg	as left:	701	701
Flow Rate (Actual Volumetric):	as found:	16.7	16.7	lpm	as left:	16.7	16.7
Flow Rate (EPA Sandard):	as found:			lpm	as left:		

Mechanical Audits		
	as found:	as left:
Pump muffler unclogged:	yes	yes
Sample nozzle clean:	yes	yes
Tape support vane clean:	yes	yes
Capstan shaft clean:	yes	yes
Rubber pinch rollers clean:	yes	yes
Chassis Ground wire installed:	yes	yes
PM 10 Particle trap clean:	yes	yes
PM 10 drip jar empty:	yes	yes
PM 10 bug screen clear:	yes	yes
PM 2.5 particle trap clean:	yes	yes
Inlet ube water tight seal OK:	yes	yes
Inlet tube perpendicular to BAM:	yes	yes

Flow Control Range	
Flow Setpoint (LPM)	BAM Flow (LPM)
15	15.0
16.7	16.7
18.4	18.4

Membrane Audit	
LAST m (mg):	0.8
ABS (mg):	0.796
Difference (mg):	-0.004
% Difference:	-0.50

Setup and Calibration Values								
Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock time/date	OK	OK	FLOW TYPE	Actual	Actual	AP	150	150
RS232	9600 8N1	9600 8N1	Cv	0.998	0.998	FR1	10	10
STATION #	1	1	Qo	0.000	0.000	FRH	20	20
RANGE (mg)	1.00	1.00	ABS	0.796	0.796	Password	F1 F2 F3 F4	F1 F2 F3 F4
BAM SAMPLE (min)	42	42	µsw:	0.306	0.306	Cycle Mode	Standard	Standard
MET SAMPLE (min)	60	60	K FACTOR	0.956	0.956	RH Control	Yes	Yes
OFFSET (mg)	-0.015	-0.015	BKGD	-0.0032	-0.0032	RH Setpoint (%)	35	35
CONC UNITS	mg/m3	mg/m3	STD TEMP (C°)	25	25	Datalog RH (CH4)	Yes	Yes
COUNT TIME (min)	8	8	HEATER	Auto	Auto	Delta-T Control	No	No
FLOW RATE (LPM)	16.7	16.7	e1	-0.005	-0.005	Delta-T Set. (C°)	10	10
CONC TYPE	Actual	Actual	Errors	none	none	Datalog D/T (CH5)	Yes	Yes

Last 6 Errors in BAM 1020 Error Log					
Error	Date	Time	Error	Date	Time
1			4		
2			5		
3			6		

Comments:

STATION 2

BAM 1020 Calibration Sheet

Model:	1020
S/N	G 4594
Audit Date:	3/4/2008

Audited By: BCJ

Flow Audits			
	Model	S/N	Cal Date:
Flow Reference Standard Used:	Bios DC-HC-1	1837	1/23/2008
Temperature Standard Used:	Techne 4400	304004	1/22/2008
Barometric Standard Used:	Meriam 350	949570	1/20/2008(exp7/19/08)

Leak Check Value (LPM): as found: 0.2 as left: 0.2

		BAM	Ref. Std.			BAM	Ref. Std.
Ambient Temperature:	as found:	0.4	0.4	C	as left:	0.4	0.4
Barometric Pressure:	as found:	707	707	mmHg	as left:	707	707
Flow Rate (Actual Volumetric):	as found:	16.7	16.7	lpm	as left:	16.7	16.7
Flow Rate (EPA Sandard):	as found:			lpm	as left:		

Mechanical Audits		
	as found:	as left:
Pump muffler unclogged:	yes	yes
Sample nozzle clean:	yes	yes
Tape support vane clean:	yes	yes
Capstan shaft clean:	yes	yes
Rubber pinch rollers clean:	yes	yes
Chassis Ground wire installed:	yes	yes
PM 10 Particle trap clean:	yes	yes
PM 10 drip jar empty:	yes	yes
PM 10 bug screen clear:	yes	yes
PM 2.5 particle trap clean:	yes	yes
Inlet ube water tight seal OK:	yes	yes
Inlet tube perpendicular to BAM:	yes	yes

Flow Control Range	
Flow Setpoint (LPM)	BAM Flow (LPM)
15	15.0
16.7	16.7
18.4	18.4

Membrane Audit	
LAST m (mg):	0.828
ABS (mg):	0.827
Difference (mg):	-0.001
% Difference:	-0.12

Setup and Calibration Values								
Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock time/date	OK	OK	FLOW TYPE	Actual	Actual	AP	150	150
RS232	9600 8N1	9600 8N1	Cv	0.9	0.9	FR1	10	10
STATION #	2	2	Qo	-0.097	-0.097	FRH	20	20
RANGE (mg)	1.000	1.000	ABS	0.827	0.827	Password	F1 F2 F3 F4	F1 F2 F3 F4
BAM SAMPLE (min)	42	42	µsw:	0.303	0.303	Cycle Mode	Standard	Standard
MET SAMPLE (min)	60	60	K FACTOR	0.949	0.949	RH Control	Yes	Yes
OFFSET (mg)	-0.015	-0.015	BKGD	-0.0064	-0.0064	RH Setpoint (%)	35	35
CONC UNITS	mg/m3	mg/m3	STD TEMP (C°)	25	25	Datalog RH (CH4)	Yes	Yes
COUNT TIME (min)	8	8	HEATER	Auto	Auto	Delta-T Control	No	No
FLOW RATE (LPM)	16.7	16.7	e1	-0.005	-0.005	Delta-T Set. (C°)	10	10
CONC TYPE	Actual	Actual	Errors	none	none	Datalog D/T (CH5)	Yes	Yes

Last 6 Errors in BAM 1020 Error Log						
Error	Date	Time		Error	Date	Time
1 NONE				4		
2				5		
3				6		

Comments:

meriam
process technologies
a Scott Fetzer company

A36637- 20 - 11
E.O. 5706

Date of Issue: 1/20/2007

Certificate of Calibration
Precision Absolute Manometer 355 (.02%)

Certification Date: 1/19/2007

Model Number/Range: 355-AI0900 / 0-900 MMHGA

Recertification Date: 7/19/2008

Serial Number: 949570-A1

Sensor I.D. AI92YL29.83

The Meriam Instrument Company hereby certifies the accuracy of the above listed instrument to be ± 0.02% of F.S. [includes combined effects of linearity, repeatability, hysteresis and temperature]. This accuracy was verified in accordance with Meriam Instrument procedure A35924 and is traceable to the National Institute of Standards and Technology through the below listed laboratory standards.

Standard #1: C-85 Piston/Mass Set 38342

Standard #2: N/A

Standard #3: N/A

Standard #4: N/A

Standard #5: N/A

Standard #6: N/A

Room Ambient Conditions: Temperature: 22°C ± 3°C Relative Humidity: 10% - 55% RH

As Received Condition

___ In Tolerance

___ Out of Tolerance

___ Inoperative

X N/A

As Left Condition

X In Tolerance

___ Out of Tolerance

___ Inoperative

Comments:

There are no special limitations of use imposed on this item due to calibration. We suggest the instrument be evaluated (Recertification Date), however, your particular quality system requirements may supersede this date.

This Certificate of Calibration is provided as support documentation for the customer and may not be reproduced, except in full, without written permission of the issuing organization.

The standards and calibration program are based on the guidelines of ANSI/NCSL Z540-1-1994 and ISO 17025.

Issued By: Jim Poorman JP

10920 Madison Avenue | Cleveland, Ohio 44102 | 216.281-1100 | FAX 216.281-0228
www.meriam.com

TISCH ENVIROMENTAL, INC.
145 SOUTH MIAMI AVE.
VILLAGE OF CLEVES, OH 45002
513.467.9000
877.263.7610 TOLL FREE
513.467.9009 FAX
WWW.TISCH-ENV.COM

AIR POLLUTION MONITORING EQUIPMENT

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5028A

Date - Apr 25, 2007 Rootsmeter S/N 9833620 Ta (K) - 295
Operator Tisch Orifice I.D. - 1170 Pa (mm) - 758.19

PLATE OR VDC #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER DIFF Hg (mm)	ORFICE DIFF H2O (in.)
1	NA	NA	1.00	1.2530	4.2	1.50
2	NA	NA	1.00	0.9650	7.1	2.50
3	NA	NA	1.00	0.8820	8.4	3.00
4	NA	NA	1.00	0.8140	9.8	3.50
5	NA	NA	1.00	0.6140	17.1	6.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)		Va	(x axis) Qa	(y axis)
1.0021	0.7998	1.2295		0.9944	0.7936	0.7640
0.9983	1.0345	1.5873		0.9906	1.0265	0.9863
0.9965	1.1299	1.7388		0.9889	1.1212	1.0804
0.9947	1.2220	1.8781		0.9870	1.2126	1.1670
0.9850	1.6043	2.4590		0.9774	1.5919	1.5279

Qstd slope (m) =	1.52884	Qa slope (m) =	0.95733
intercept (b) =	0.00793	intercept (b) =	0.00492
coefficient (r) =	0.99997	coefficient (r) =	0.99997

y axis = SQRT[H2O(Pa/760)(298/Ta)] y axis = SQRT[H2O(Ta/Pa)]

CALCULATIONS

Vstd = Diff. Vol[(Pa-Diff. Hg)/760](298/Ta)
Qstd = Vstd/Time

Va = Diff Vol [(Pa-Diff Hg)/Pa]
Qa = Va/Time

For subsequent flow rate calculations:

Qstd = 1/m{[SQRT(H2O(Pa/760)(298/Ta))]- b}
Qa = 1/m{[SQRT H2O(Ta/Pa)]- b}

FLUKE ® Everett Service Center

1420 75th St. SW
Everett, Washington 98203
USA

NQA ISO 9001: 2000 Certified

Calibration Certificate

Description:	TRUE RMS MULTIMETER	**Certificate Number:**	**2074974-90850057:1200048745**
Manufacturer:	FLUKE	**Date of Calibration:**	11 January 2008
Model:	87 V	**Date of Certificate:**	11 January 2008
Serial Number:	90850057	**Date Due:**	11 January 2009
Customer Name:		**Procedure Name:**	
ENSR CONSULTING ENGINEERING		MFG MANUAL	
City, State:	FORT COLLINS, CO	**Procedure Revision:**	MAY-04
Customer Item ID:	90850057	**Data Type:**	FOUND-LEFT
PO Number:	0084-09963	**Temperature:**	23 ± 3.0 °Celsius
RMA Number:	3879677	**Relative Humidity:**	25% ≤ RH ≤ 60%
		Test Result:	PASS

The Fluke Corporation, NQA ISO 9001:2000 ISO Certification No. 10100/2, certifies that the instrument identified above was calibrated in accordance with applicable Fluke calibration procedures. Its calibration processes are ISO-9001 controlled and are designed to certify that the instrument was within its published specifications at the time of calibration.

The measurement standards and instruments used during the calibration of this instrument are traceable to the United States National Institute of Standards and Technology (NIST), other reputable National Institutes, natural physical constants, consensus standards, or by ratio type measurements.

This certificate applies to only the item identified and shall not be reproduced other than in full, without the specific written approval by Fluke Corporation. The user is obliged to have the in object recalibrated at appropriate intervals. Calibration Certificates without signature are not valid.

The Data type that could be found in this certificate is interpreted as follows:

- As Found — The unit needed adjustment and/or repair.
- As Left — The unit was adjusted and/or repaired.
- As Found/ As Left — The unit was calibrated without any adjustment and/or repair performed.

Comments:

Long Le
Metrology Technician

Bios International Calibration Certificate

Report No. 65434
Product DC-HC-1
Serial No. 1837
Cal. Date 23 January 2008
Annual Maint. Recommended

ENSR Corporation
1601 Prospect Parkway
Fort Collins CO 80525
Acct. No. ENSFOR-2
PO No.

NVLAP Lab Code 200661

As Received Test Data

Calibration Standards Used

All units tested in accordance with Bios International Corporation test number PR05-2 Rev B or PR01-10 Rev D using high-purity bottled nitrogen.

Asset Number	Description	Cal Date	Due Date
ML-500-24 110409	ML-500 Medium Flow Cell	5/4/2007	5/4/2008
ML-500-44 102677	ML-500 High Flow Cell	10/22/2007	10/22/2008

Technician Zenaida Ortiz **Lab. Pressure** 756.19 mmHg
Lab. Temperature 22.2 °C

Instrument Reading (ml/min)	Lab Standard Reading (ml/min)	Lab Standard Unit No.	Deviation	Allowable Deviation	Condition Shipped
501.9	500.14	110409	0.35 %	1.00%	in tolerance
4998	5007.05	102677	-0.18%	1.00%	in tolerance
49140	49003.5	102677	0.28 %	1.50%	in tolerance

The allowable deviation consists of the RSS of the expanded uncertainties of the working standards (0.25%), experimental errors (0.25%), and the error of the device under test (DUT), which is the remainder of the allowable deviation.

As Shipped Test Data

Calibration Standards Used

All units tested in accordance with Bios International Corporation test number PR05-2 Rev B or PR01-10 Rev D using high-purity bottled nitrogen.

Asset Number	Description	Cal Date	Due Date
ML-500-24 110409	ML-500 Medium Flow Cell	5/4/2007	5/4/2008
ML-500-44 102677	ML-500 High Flow Cell	10/22/2007	10/22/2008

Technician Zenaida Ortiz **Lab. Pressure** 757.51 mmHg
Lab. Temperature 22.6 °C

Instrument Reading (ml/min)	Lab Standard Reading (ml/min)	Lab Standard Unit No.	Deviation	Allowable Deviation	Condition Shipped
501.9	500.275	110409	0.32 %	1.00%	in tolerance
5004	5009.05	102677	-0.10%	1.00%	in tolerance
49320	49032	102677	0.59 %	1.50%	in tolerance

The allowable deviation consists of the RSS of the expanded uncertainties of the working standards (0.25%), experimental errors (0.25%), and the error of the device under test (DUT), which is the remainder of the allowable deviation.

Each DryCal flow calibrator is dynamically tested by comparing it to a laboratory standard primary piston prover of much higher accuracy (±0.25% or better) but of similar operating principles. Flow generators of ±0.03% stability are used for the comparison. Use of provers of similar construction to the device under test assures the validity of the flow generator as a transfer standard. The primary laboratory standards are qualified by direct measurement of their dimensions (diameter, length of measured path, time base) against NIST traceable gauges and instruments (NIST numbers available upon request). A rigorous analysis of their accuracy in accordance with the International Guide to Uncertainty in Measurements has been performed, assuring their traceable accuracy. Test procedures ensure temperature matching of the laboratory standards and the device under test.

Bios International Corporation
10 Park Place, Butler, NJ 07405 USA
www.biosint.com

Printed 23 January 2008

CAL02-15 Rev A This report shall not be reproduced except in full, without the written approval of Bios International Corporation. Results only relate to the items calibrated.
All calibrations performed in accordance with ISO 17025.

Bios International Calibration Certificate

Cert No. 65457
Product DC1-B
Serial No. 808

ENSR Corporation
1601 Prospect Parkway
Fort Collins CO 80525

NVLAP
NVLAP Lab Code 200661

Cal. Date 23 January 2008
Annual Maint. Recommended

Acct. No. ENSFOR-2
PO No.

As Received Test Data

Calibration Standards Used
Frequency tested in accordance with Bios International Corporation test number PR02-5 Rev. B.
Expanded uncertainty: frequency ±12 ppm at two times coverage.

Asset Number	Description	Cal Date	Due Date	NIST
UCT512079	Frequency Counter	4/12/2007	4/12/2008	1000207427

Technician Dave Stratheam
Indicated Frequency 100066.73 **Minimum Allowable Frequency** 100022.8 μ **Maximum Allowable Frequency** 100122.9 μ

As Shipped Test Data

Calibration Standards Used
Frequency tested in accordance with Bios International Corporation test number PR02-5 Rev. B.
Expanded uncertainty: frequency ±12 ppm at two times coverage.

Asset Number	Description	Cal Date	Due Date	NIST
UCT512079	Frequency Counter	4/12/2007	4/12/2008	1000207427

Technician Dave Stratheam
Indicated Frequency 100066.73 **Minimum Allowable Frequency** 100022.8 μ **Maximum Allowable Frequency** 100122.9 μ

DryCal DC-1 Base Timing Device Certification
The DryCal DC-1 is a primary flow standard. As such, no adjustment is necessary, as accuracy is dependant upon the dimensions of the flow measuring cell and the accuracy of the base's internal timing crystal. Bios International certifies that the timing crystal of DryCal DC-1 base, SN. 808 , has been calibrated against NIST traceable gauges and instruments that are calibrated annually by approved testing laboratories, and has met factory specifications for accuracy.

Harvey F. Padden

Bios International Corporation
10 Park Place, Butler, NJ 07405 USA
www.biosint.com

Printed 23 January 2008

CAL02-1 Rev B This report shall not be reproduced except in full, without the written approval of Bios International Corporation. Results only relate to the items calibrated.
All calibrations performed in accordance with ISO 17025.

Bios International Calibration Certificate

Report No. 65425
Product DC-MC-1
Serial No. 809
Cal. Date 23 January 2008
Annual Maint. Recommended

ENSR Corporation
1601 Prospect Parkway
Fort Collins CO 80525
Acct. No. ENSFOR-2
PO No.

NVLAP®
NVLAP Lab Code 200661

As Received Test Data

Calibration Standards Used

All units tested in accordance with Bios International Corporation test number PR05-2 Rev B or PR01-10 Rev D using high-purity bottled nitrogen.

Asset Number	Description	Cal Date	Due Date
ML-500-44 102677	ML-500 High Flow Cell	10/22/2007	10/22/2008
ML-500-10 102174	ML-500 Low Flow Cell	5/24/2007	5/24/2008

Technician Zenaida Ortiz **Lab. Pressure** 756.19 mmHg
Lab. Temperature 22.2 °C

Instrument Reading (ml/min)	Lab Standard Reading (ml/min)	Lab Standard Unit No.	Deviation	Allowable Deviation	Condition Shipped
100.1	100.18	102174	-0.08%	1.00%	in tolerance
2008	2004.45	102677	0.18 %	1.00%	in tolerance
9551	9503.15	102677	0.50 %	2.00%	in tolerance

The allowable deviation consists of the RSS of the expanded uncertainties of the working standards (0.25%), experimental errors (0.25%), and the error of the device under test (DUT), which is the remainder of the allowable deviation.

As Shipped Test Data

Calibration Standards Used

All units tested in accordance with Bios International Corporation test number PR05-2 Rev B or PR01-10 Rev D using high-purity bottled nitrogen.

Asset Number	Description	Cal Date	Due Date
ML-500-10 102174	ML-500 Low Flow Cell	5/24/2007	5/24/2008
ML-500-44 102677	ML-500 High Flow Cell	10/22/2007	10/22/2008

Technician Zenaida Ortiz **Lab. Pressure** 757.51 mmHg
Lab. Temperature 22.6 °C

Instrument Reading (ml/min)	Lab Standard Reading (ml/min)	Lab Standard Unit No.	Deviation	Allowable Deviation	Condition Shipped
100	100.465	102174	-0.46%	1.00%	in tolerance
2009	2004.95	102677	0.20 %	1.00%	in tolerance
9520	9504.1	102677	0.17 %	2.00%	in tolerance

The allowable deviation consists of the RSS of the expanded uncertainties of the working standards (0.25%), experimental errors (0.25%), and the error of the device under test (DUT), which is the remainder of the allowable deviation.

Each DryCal flow calibrator is dynamically tested by comparing it to a laboratory standard primary piston prover of much higher accuracy (±0.25% or better) but of similar operating principles. Flow generators of ±0.03% stability are used for the comparison. Use of provers of similar construction to the device under test assures the validity of the flow generator as a transfer standard. The primary laboratory standards are qualified by direct measurement of their dimensions (diameter, length of measured path, time base) against NIST traceable gauges and instruments (NIST numbers available upon request). A rigorous analysis of their accuracy in accordance with the International Guide to Uncertainty in Measurements has been performed, assuring their traceable accuracy. Test procedures ensure temperature matching of the laboratory standards and the device under test.

CAL02-15 Rev A This report shall not be reproduced except in full, without the written approval of Bios International Corporation. Results only relate to the items calibrated.
All calibrations performed in accordance with ISO 17025.

CERTIFICATE OF CALIBRATION

The instrument below has been presented for inspection and test as shown. The indicated work was performed using reference standards that are traceable to the National Institute of Standards and Technology. We employ industry accepted methods, those issued by recognized organizations (ASTM) or by known intrinsic standards for calibration of the device listed.

Model Number:	4400 Thermometer w/SP646	Cal Date:	1/22/2008
Serial Number:	304004	Due Date:	1/22/2009
Certificate Nbr:	20011	Asset Tag ID:	
Customer:	ENSR		
Address:	1601 Prospect Parkway Fort Collins, CO 80525-9769	PO Number:	2058009

Calibration Data:

Standard Reading	UUT As Received	UUT As Left
-15.208°C	-15.19	-15.19
39.995°C	40.00	40.00
89.988°C	89.97	89.97
125.031°C	125.01	125.01

These results meet or exceed the specified accuracy of +/- 0.05°C for this model.
Calibration procedure: **30109** Test ambient: 23 +/- 3.0 deg. Humidity %: 16

Our calibrations are performed in compliance with the requirements of ISO9000:2000 and ANSI/NCSL Z540-1994. We adhere to the following ASTM standards where applicable, E220-07, E563-02, E1137-04, and E644-06. Information *contained in NIST technical note 1265, "Guidelines for realizing the International Temperature of 1990 (ITS90)"* is used for PRT calibrations. This calibration certificate and attached data shall not be reproduced without the written approval of Techne Inc. These results relate only to the item calibrated or tested whereby the accuracy is based on the manufacturers published specifications.

Measurement and Test Equipment:

Asset Nbr:	Model Nbr:	Manufacturer:	Cal Date:	Cal Due Date:
1052	Tecal Accutemp indicator	Techne	11/2/2007	2/2/2008
1057	832 PRT	Instrulab	1/15/2008	7/15/2008

Measurement Uncertainty (K=2): as related to the procedure listed above.

Measurement	-20 to 200°C	-40.0°C	-80.0°C	1200.0°C	232.0°C	420.0°C	660.0°C
Uncertainty	±0.048	±0.041	±0.042	±4.701	±0.045	±0.062	±0.088

Calibrated by: Darren Sayer

Verified by: David Larsen

Comments:

TECHNE

Techne Incorporated
3 Terri Lane, Suite 10
Burlington, NJ 08016
Telephone: 800-225-9243
Fax: 609-589-2571
www.techneusa.com

ENSR

Appendix D

Meteorological and Air Quality Data Listings

02450-017-701

May 2008

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
mps
10WS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	9.7	8.4	8.5	9.2	11.9	10.8	8.3	9.2	8.6	9.9	8.7	9.4	9.3	7.1	7.2	6.6	6.6	4.7	5.3	5.2	5.2	5.5	5.4	5.4	24	11.9	4.7	7.8
1/2/08	4.7	3.1	3.8	4.4	5.1	5.0	4.8	5.2	5.2	4.6	4.2	5.0	5.9	6.6	7.2	7.4	7.9	7.5	7.5	8.3	11.0	13.9	13.4	12.3	24	13.9	3.1	6.8
1/3/08	10.6	9.9	8.6	9.8	8.7	8.1	6.8	6.2	5.2	3.5	2.4	3.4	2.5	2.8	2.7	2.0	1.7	1.8	2.6	4.0	3.9	3.8	3.1	2.5	24	10.6	1.7	4.9
1/4/08	2.2	2.9	4.2	3.0	4.0	4.0	4.4	2.3	1.8	1.5	0.9	3.2	6.7	4.1	5.4	3.9	4.1	5.1	5.1	5.7	5.5	5.6	5.5	5.5	24	6.7	0.9	4.0
1/5/08	5.5	5.8	5.4	5.4	5.7	6.4	7.0	5.9	6.2	6.8	7.3	6.4	7.1	6.5	6.0	5.7	5.4	5.4	5.0	4.7	4.7	5.1	3.8	5.1	24	7.3	3.8	5.8
1/6/08	5.6	6.7	7.4	6.8	6.4	6.8	5.3	4.8	4.4	5.4	5.1	5.5	4.2	3.6	3.5	2.9	3.0	3.3	4.1	3.9	4.5	5.4	3.7	3.9	24	7.4	2.9	4.8
1/7/08	4.5	5.1	4.5	3.9	4.1	3.7	3.8	3.8	3.5	2.3	3.5	4.2	5.5	6.2	6.1	6.5	4.5	4.7	6.2	7.0	5.8	6.1	6.0	4.8	24	7.0	2.3	4.8
1/8/08	5.1	5.5	5.3	4.6	4.3	4.2	4.1	4.5	5.1	3.5	2.8	3.0	3.6	3.0	2.5	2.0	1.5	1.2	1.9	3.8	4.3	5.2	5.4	5.5	24	5.5	1.2	3.8
1/9/08	5.6	4.9	4.8	3.7	2.6	1.8	1.7	1.8	2.0	1.3	1.4	1.5	1.9	3.1	2.3	3.2	3.2	3.3	1.5	1.3	2.2	2.8	2.4	2.7	24	5.6	1.3	2.6
1/10/08	5.7	6.6	6.5	6.8	6.7	6.6	5.5	5.7	6.5	5.9	6.2	5.7	5.7	5.8	6.4	5.2	3.5	1.6	1.6	1.0	2.0	2.5	2.6	3.5	24	6.8	1.0	4.8
1/11/08	3.8	4.0	5.6	5.7	5.7	5.5	5.4	5.1	4.5	2.4	3.7	8.0	9.6	8.4	7.1	5.5	4.7	3.0	3.2	4.7	6.2	5.2	4.9	4.9	24	9.6	2.4	5.3
1/12/08	4.4	4.6	4.8	3.6	3.7	4.5	4.8	4.6	4.2	4.4	3.6	3.7	4.3	3.4	2.2	3.1	3.5	2.0	2.4	3.5	4.0	4.3	4.6	4.8	24	4.8	2.0	3.9
1/13/08	5.3	5.0	5.2	5.4	4.9	5.2	4.5	3.0	4.4	5.7	7.3	6.8	6.2	6.5	6.3	5.8	4.9	4.5	4.3	4.4	4.3	3.5	2.5	1.2	24	7.3	1.2	4.9
1/14/08	2.1	2.5	2.6	3.1	4.0	5.1	4.2	1.4	1.5	1.1	0.3	1.7	2.0	1.7	2.8	3.2	4.0	3.9	3.6	5.1	6.1	6.8	7.3	6.3	24	7.3	0.3	3.4
1/15/08	4.5	4.6	3.7	3.8	3.8	4.2	4.3	3.5	2.9	3.4	3.8	3.5	2.6	1.6	1.6	1.2	2.2	2.0	1.3	3.5	9.0	13.1	13.6	9.8	24	13.6	1.2	4.5
1/16/08	10.7	12.7	11.9	11.6	12.7	11.9	11.1	11.9	11.9	13.0	11.8	10.5	10.9	10.7	9.2	8.7	7.8	5.5	3.7	4.6	4.3	3.1	2.6	4.5	24	13.0	2.6	9.1
1/17/08	4.5	3.8	3.7	3.4	4.4	4.6	4.7	5.3	5.2	5.6	6.5	6.4	5.3	5.4	5.6	6.1	4.9	3.8	3.1	3.7	4.7	6.8	7.8	10.2	24	10.2	3.1	5.2
1/18/08	9.6	10.8	9.1	10.1	8.6	6.7	8.7	8.9	7.5	10.1	9.6	9.0	8.9	9.0	9.2	9.8	8.9	6.7	6.5	4.5	4.7	5.4	6.0	5.6	24	10.8	4.5	8.1
1/19/08	5.3	4.7	4.0	3.8	3.1	3.3	3.6	4.1	3.7	4.3	5.4	5.6	4.6	5.2	5.9	4.6	3.9	2.3	1.6	1.2	2.8	1.6	1.6	2.0	24	5.9	1.2	3.7
1/20/08	2.1	3.1	1.4	1.4	1.1	0.9	1.5	1.4	1.3	1.3	3.1	4.2	4.3	4.0	3.7	4.1	3.8	3.1	2.9	3.3	3.2	3.1	2.5	2.6	24	4.3	0.9	2.6
1/21/08	2.2	2.0	1.3	1.1	1.6	1.7	1.5	1.6	1.8	2.9	4.9	4.7	4.5	3.8	4.7	4.4	3.3	3.7	4.4	5.0	4.9	5.7	4.8	4.9	24	5.7	1.1	3.4
1/22/08	5.0	4.4	6.5	9.8	8.2	7.5	7.0	7.7	8.2	7.1	7.4	9.7	8.8	7.4	6.6	6.8	6.5	4.5	4.0	3.4	3.8	2.6	2.5	2.6	24	9.8	2.5	6.2
1/23/08	2.0	3.2	4.4	5.9	7.1	7.3	7.0	4.2	4.0	4.2	4.9	6.1	7.2	7.1	6.0	5.5	4.7	4.4	4.5	3.0	4.6	4.6	4.6	5.6	24	7.3	2.0	5.1
1/24/08	5.7	4.6	4.3	4.6	5.0	4.7	4.5	3.9	4.2	4.5	4.8	6.2	6.5	5.6	5.2	5.4	4.7	3.7	4.2	4.7	5.4	5.1	5.1	4.8	24	6.5	3.7	4.9
1/25/08	4.5	4.7	5.3	5.2	5.1	5.2	3.6	1.5	2.9	2.4	1.8	1.5	5.0	6.3	6.2	5.0	3.5	4.0	4.2	4.6	4.4	4.1	2.9	3.7	24	6.3	1.5	4.1
1/26/08	5.3	5.3	5.8	4.6	5.2	5.1	4.9	5.6	6.0	5.7	6.7	7.3	7.2	7.3	6.6	6.1	5.4	5.3	5.7	5.9	5.6	5.4	5.5	5.3	24	7.3	4.6	5.8
1/27/08	5.3	5.7	5.6	5.8	6.2	5.6	6.1	5.3	5.5	5.6	5.5	6.0	6.2	6.5	5.4	4.4	5.0	5.1	5.1	5.7	5.9	4.3	4.5	6.3	24	6.5	4.3	5.5
1/28/08	7.0	7.6	6.9	6.8	6.8	6.3	6.3	5.9	5.3	6.0	6.0	6.2	5.1	4.9	5.6	5.1	13.1	16.3	19.1	17.7	15.5	16.8	15.6	14.1	24	19.1	4.9	9.4
1/29/08	13.7	13.4	12.8	13.1	14.1	13.0	13.7	12.7	11.7	11.8	11.3	11.8	10.9	10.2	10.3	10.6	8.9	7.3	5.6	5.9	5.4	4.9	3.9	5.1	24	14.1	3.9	10.1
1/30/08	6.2	4.6	5.1	4.4	4.3	3.0	2.7	1.9	2.3	2.9	3.4	3.3	3.1	3.2	3.6	4.0	3.6	5.1	3.8	3.9	3.1	2.4	3.3	2.9	24	6.2	1.9	3.6
1/31/08	3.0	4.1	4.4	4.2	3.3	3.2	4.6	5.9	6.4	8.5	8.6	8.8	9.2	8.6	7.6	6.8	6.9	7.0	7.7	6.7	6.4	6.6	6.4	5.9	24	9.2	3.0	6.3
hr max	13.7	13.4	12.8	13.1	14.1	13.0	13.7	12.7	11.9	13.0	11.8	11.8	10.9	10.7	10.3	10.6	13.1	16.3	19.1	17.7	15.5	16.8	15.6	14.1				
hr min	2.0	2.0	1.3	1.1	1.1	0.9	1.5	1.4	1.3	1.1	0.3	1.5	1.9	1.6	1.6	1.2	1.5	1.2	1.3	1.0	2.0	1.6	1.6	1.2				
average	5.5	5.6	5.6	5.6	5.8	5.5	5.4	5.0	5.0	5.1	5.3	5.8	6.0	5.7	5.5	5.2	5.0	4.6	4.6	4.8	5.3	5.5	5.3	5.3				

monthly	monthly	monthly
max hr	min hr	ave hr
19.1	0.3	5.3
1/28/08	1/14/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
mps
50WS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	12.1	11.0	11.0	11.2	14.3	13.0	10.3	11.4	10.8	11.6	9.7	10.3	10.3	7.8	8.2	7.7	7.7	7.3	9.6	8.4	8.1	9.6	9.6	9.3	24	14.3	7.3	10.0
1/2/08	9.0	7.6	5.5	7.2	9.0	9.6	7.6	6.8	7.5	6.9	5.5	6.3	6.9	7.0	7.7	8.6	10.1	9.5	8.8	9.6	14.0	18.8	17.6	16.5	24	18.8	5.5	9.3
1/3/08	14.6	13.8	12.9	14.5	13.3	13.2	11.6	10.6	8.7	6.0	3.7	3.8	2.8	3.0	3.0	2.2	2.4	2.6	3.7	5.1	5.1	7.2	6.6	4.1	24	14.6	2.2	7.3
1/4/08	6.2	6.1	8.0	6.2	6.5	6.5	8.1	6.9	4.2	3.4	2.3	4.1	7.6	5.5	6.1	5.3	5.3	6.4	6.8	8.4	8.1	7.7	8.1	7.2	24	8.4	2.3	6.3
1/5/08	8.0	10.0	11.5	11.9	12.8	13.0	13.2	10.7	10.7	11.2	11.7	10.5	10.6	9.6	9.2	9.7	10.2	10.6	10.1	8.3	8.6	8.3	6.1	6.0	24	13.2	6.0	10.1
1/6/08	11.2	12.0	12.2	11.1	10.6	11.6	10.0	10.1	8.9	9.0	7.1	7.2	5.9	5.5	5.1	4.5	4.8	4.1	4.3	6.0	7.7	10.2	5.9	6.3	24	12.2	4.1	8.0
1/7/08	6.8	7.5	10.0	9.3	8.8	8.6	7.6	6.6	5.5	4.2	4.4	4.6	6.2	7.2	6.9	7.8	6.9	8.1	10.6	11.4	9.4	9.7	10.3	9.3	24	11.4	4.2	7.8
1/8/08	9.8	9.3	9.6	9.1	8.4	8.7	7.8	7.3	7.3	5.8	3.5	3.2	3.8	3.2	2.7	2.2	1.7	1.5	1.7	4.2	6.1	9.2	10.6	11.6	24	11.6	1.5	6.2
1/9/08	11.1	11.0	10.3	8.4	6.9	4.6	4.8	4.9	4.0	3.0	1.5	1.5	2.1	3.3	2.6	4.0	5.1	5.8	3.0	1.6	1.4	3.3	4.6	6.2	24	11.1	1.4	4.8
1/10/08	10.0	11.2	10.1	10.5	10.4	9.9	8.2	8.8	9.2	7.3	6.6	6.0	6.0	6.3	6.9	5.7	4.7	2.1	1.6	1.4	1.5	2.6	4.1	5.5	24	11.2	1.4	6.5
1/11/08	5.0	6.1	10.2	9.9	9.5	9.3	8.9	8.5	8.0	4.6	5.1	9.1	10.9	9.3	8.0	6.5	5.9	3.6	5.3	6.0	7.8	6.7	6.1	6.0	24	10.9	3.6	7.3
1/12/08	5.3	5.5	5.5	4.9	4.5	4.9	5.5	5.2	4.8	4.9	3.8	4.1	4.6	3.6	2.5	3.4	3.9	2.6	3.5	4.1	5.7	6.1	6.6	7.6	24	7.6	2.5	4.7
1/13/08	9.8	9.6	8.8	8.4	7.2	8.0	7.2	5.1	8.3	7.9	8.3	7.8	7.1	7.5	7.2	6.8	5.9	5.5	5.0	5.2	5.5	6.1	5.1	3.1	24	9.8	3.1	6.9
1/14/08	2.8	3.7	4.6	6.1	6.3	6.0	4.8	1.4	1.6	1.2	0.6	2.1	2.2	1.8	3.1	3.7	4.7	6.1	7.3	8.0	7.7	8.0	8.0	6.8	24	8.0	0.6	4.5
1/15/08	4.3	5.3	4.5	4.6	4.5	5.9	5.3	4.4	3.7	5.1	5.6	4.8	3.3	1.9	1.7	1.0	2.4	2.2	2.2	5.3	11.6	15.5	16.0	11.8	24	16.0	1.0	5.5
1/16/08	12.9	14.9	13.7	13.6	14.8	13.9	13.1	14.0	13.8	14.8	13.5	11.7	12.2	12.0	10.3	9.8	8.9	7.8	6.9	8.5	8.1	6.7	6.6	7.3	24	14.9	6.6	11.2
1/17/08	7.5	7.0	6.4	6.7	6.2	6.7	9.1	9.3	9.6	8.3	8.0	7.2	5.8	5.9	6.1	6.8	5.9	5.1	4.7	6.2	7.2	8.7	9.9	12.6	24	12.6	4.7	7.4
1/18/08	11.8	13.0	11.0	11.3	10.2	8.3	10.3	10.4	9.0	11.5	10.9	9.9	9.7	9.9	10.3	10.9	10.3	8.6	9.0	7.3	7.1	7.7	8.9	8.9	24	13.0	7.1	9.8
1/19/08	8.3	7.0	6.3	5.9	4.5	6.5	6.6	7.0	6.3	5.2	5.8	6.0	5.1	5.6	6.5	5.0	4.7	3.7	2.4	1.7	2.3	1.8	1.9	0.8	24	8.3	0.8	4.9
1/20/08	0.4	1.9	0.6	0.7	0.7	1.3	2.6	3.8	5.5	3.9	3.6	4.7	4.8	4.5	4.1	4.7	4.5	3.8	3.4	3.9	3.9	3.5	3.0	3.5	24	5.5	0.4	3.2
1/21/08	3.4	2.5	2.0	1.3	1.3	2.2	2.5	3.1	3.8	4.0	5.5	5.4	4.9	4.3	5.2	4.9	4.1	5.4	6.4	9.3	9.5	10.1	8.7	8.9	24	10.1	1.3	4.9
1/22/08	8.2	7.8	10.3	14.2	12.0	10.7	11.1	11.5	12.4	10.5	9.3	10.6	9.7	8.3	7.4	7.5	7.6	6.2	6.9	5.2	6.4	6.0	5.3	5.4	24	14.2	5.2	8.8
1/23/08	4.3	4.2	6.1	7.8	9.9	9.4	9.1	6.4	5.8	5.3	5.8	6.8	8.0	7.8	6.7	6.6	5.9	6.2	7.8	8.1	8.3	7.4	7.9	7.9	24	9.9	4.2	7.1
1/24/08	8.2	8.4	9.0	8.3	6.9	7.3	7.5	6.7	9.9	10.8	10.8	9.3	7.3	5.7	5.9	6.7	5.9	5.6	7.7	8.6	9.2	7.8	10.2	9.5	24	10.8	5.6	8.1
1/25/08	7.2	5.6	6.2	7.0	7.3	10.4	8.2	2.3	2.4	3.9	2.2	1.3	5.1	6.6	6.6	5.9	4.5	6.0	7.4	7.8	8.3	7.7	6.0	7.5	24	10.4	1.3	6.0
1/26/08	10.3	10.8	10.9	8.8	9.6	9.7	9.6	10.8	12.2	9.7	9.8	9.4	9.2	8.9	8.2	8.0	7.9	9.7	11.3	11.4	11.3	10.7	12.2	11.4	24	12.2	7.9	10.1
1/27/08	11.5	9.9	8.7	7.5	8.9	9.2	9.9	9.6	11.4	9.9	7.8	7.6	7.4	7.9	6.9	6.1	8.3	9.3	9.2	10.5	12.2	10.0	9.4	11.0	24	12.2	6.1	9.2
1/28/08	13.2	13.9	12.8	12.5	12.9	12.2	13.0	12.1	10.5	9.8	10.6	10.3	9.0	8.9	9.0	8.2	15.3	18.7	21.8	20.4	17.6	19.3	18.1	16.3	24	21.8	8.2	13.6
1/29/08	15.9	15.5	14.7	15.0	16.2	14.8	15.7	14.7	13.7	13.4	12.6	13.2	11.9	11.3	11.3	11.7	10.2	8.8	7.4	7.7	6.9	6.3	5.3	6.4	24	16.2	5.3	11.7
1/30/08	7.3	5.3	5.8	5.2	5.0	3.3	3.0	2.2	2.5	3.3	3.8	3.7	3.5	3.7	4.1	4.6	4.0	6.2	4.5	5.2	4.8	4.7	5.8	5.8	24	7.3	2.2	4.5
1/31/08	6.1	7.3	7.9	6.6	4.6	4.7	5.9	7.7	7.3	10.2	10.3	10.6	11.0	9.9	8.5	7.2	9.1	11.0	11.5	10.6	9.0	8.4	9.0	7.9	24	11.5	4.6	8.4
hr max	15.9	15.5	14.7	15.0	16.2	14.8	15.7	14.7	13.8	14.8	13.5	13.2	12.2	12.0	11.3	11.7	15.3	18.7	21.8	20.4	17.6	19.3	18.1	16.5				
hr min	0.4	1.9	0.6	0.7	0.7	1.3	2.5	1.4	1.6	1.2	0.6	1.3	2.1	1.8	1.7	1.0	1.7	1.5	1.6	1.4	1.4	1.8	1.9	0.8				
average	8.5	8.5	8.6	8.6	8.5	8.5	8.3	7.8	7.7	7.3	6.8	6.9	6.9	6.6	6.4	6.2	6.4	6.5	6.8	7.3	7.8	8.3	8.2	8.0				

monthly	monthly	monthly
max hr	min hr	ave hr
21.8	0.4	7.6
1/28/08	1/20/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
mps
100WS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	13.9	13.3	13.0	13.0	16.2	15.1	12.1	13.4	13.1	13.1	10.4	10.7	10.5	8.0	8.6	8.4	8.4	8.8	11.3	9.7	9.7	11.2	10.5	9.9	24	16.20	8.00	11.35
1/2/08	9.6	8.0	8.0	11.2	10.5	10.5	8.1	6.8	7.0	5.7	6.2	9.7	8.6	8.4	8.9	9.0	10.4	10.6	10.9	12.5	18.9	21.7	20.5	19.5	24	21.7	5.7	10.9
1/3/08	17.4	16.7	16.2	17.9	17.0	16.1	13.7	11.8	9.0	7.4	5.3	5.1	3.3	3.2	3.3	2.2	2.3	2.3	3.1	4.1	4.5	4.6	4.4	4.6	24	17.9	2.2	8.1
1/4/08	5.3	4.6	8.4	6.7	7.3	6.8	8.8	6.3	7.2	6.2	4.5	6.3	9.9	8.6	7.6	7.2	6.2	6.1	5.5	7.2	6.8	7.3	7.3	7.5	24	9.9	4.5	6.9
1/5/08	9.7	12.0	11.7	14.9	17.4	16.9	16.6	14.7	14.3	16.0	15.8	14.6	13.2	11.6	11.1	11.8	12.2	14.1	10.8	8.6	10.4	10.4	8.5	6.1	24	17.4	6.1	12.6
1/6/08	10.4	14.6	17.0	13.9	11.5	13.7	12.5	12.7	10.1	10.2	8.2	8.3	8.1	7.3	6.9	5.1	4.8	3.6	5.3	7.4	9.2	13.3	12.2	12.1	24	17.0	3.6	9.9
1/7/08	13.0	14.6	14.0	13.1	12.1	11.4	10.3	8.4	6.7	4.9	5.4	5.1	6.3	7.4	7.2	8.5	8.3	9.8	11.9	13.5	11.7	12.6	13.6	12.2	24	14.6	4.9	10.1
1/8/08	12.9	11.7	12.1	12.3	12.3	11.7	9.8	7.7	6.3	5.4	4.2	3.1	3.8	3.3	2.8	2.2	1.6	1.8	1.8	3.9	5.4	6.4	6.8	9.3	24	12.9	1.6	6.6
1/9/08	9.4	11.3	10.0	7.2	7.8	8.1	8.5	9.1	7.7	4.5	2.4	1.1	2.4	3.4	2.7	4.4	6.1	6.4	3.5	2.4	2.8	4.8	6.1	7.7	24	11.3	1.1	5.8
1/10/08	10.8	13.8	13.6	12.9	13.2	12.9	10.9	11.3	11.8	8.6	6.8	6.1	6.1	6.5	7.1	6.0	5.2	3.1	2.6	2.6	2.4	1.8	3.9	6.0	24	13.8	1.8	7.8
1/11/08	8.8	10.5	13.3	13.4	12.1	11.3	9.7	9.8	9.6	8.2	8.0	9.7	11.3	9.7	8.3	7.0	6.4	3.9	6.1	6.6	8.4	7.4	6.4	6.4	24	13.4	3.9	8.8
1/12/08	5.6	5.7	5.9	5.7	5.5	5.2	5.7	5.4	5.4	5.2	3.9	4.2	4.7	3.7	2.6	3.5	4.0	3.0	3.5	3.3	4.4	5.2	6.5	7.1	24	7.1	2.6	4.8
1/13/08	9.4	9.6	10.5	11.0	10.6	10.8	10.2	8.8	10.2	9.7	8.7	8.1	7.4	8.0	7.5	7.1	6.1	5.8	5.3	5.4	6.0	7.1	6.4	4.8	24	11.0	4.8	8.1
1/14/08	3.8	3.2	3.4	5.1	6.7	5.7	4.5	1.5	1.6	1.6	0.5	1.0	1.9	1.8	3.2	3.8	5.0	6.6	8.2	9.4	8.3	7.6	7.6	6.5	24	9.4	0.5	4.5
1/15/08	4.3	5.0	4.5	4.7	3.3	2.6	3.9	2.9	2.2	2.6	3.1	2.6	1.5	1.1	1.0	0.7	1.5	1.8	2.1	7.2	14.1	17.1	17.6	13.5	24	17.6	0.7	5.0
1/16/08	14.3	16.3	14.9	14.7	16.3	15.0	14.1	15.3	14.9	15.6	14.2	12.2	12.6	12.4	10.7	10.2	9.5	9.4	10.2	11.8	11.2	9.4	8.6	8.4	24	16.3	8.4	12.6
1/17/08	8.7	8.4	6.6	6.7	5.8	6.8	8.4	10.3	12.1	11.1	9.4	7.2	6.0	6.0	6.1	6.9	6.5	6.3	5.6	7.2	8.9	10.3	11.3	13.9	24	13.9	5.6	8.2
1/18/08	12.9	14.2	12.0	12.0	11.4	9.9	11.5	11.7	10.8	12.2	11.3	10.1	9.8	10.1	10.7	11.3	10.9	10.1	11.2	9.7	9.0	9.2	10.6	10.7	24	14.2	9.0	11.0
1/19/08	10.4	7.6	7.2	7.1	6.6	8.0	7.4	7.7	6.9	7.0	6.3	6.0	5.2	5.7	6.7	5.2	4.9	4.0	2.7	2.0	2.4	2.1	2.7	1.9	24	10.4	1.9	5.6
1/20/08	1.5	1.0	1.5	1.2	1.8	3.1	3.9	4.3	5.1	6.0	4.3	4.7	4.8	4.5	4.1	4.8	4.5	4.0	3.6	4.0	4.3	4.0	3.6	4.3	24	6.0	1.0	3.7
1/21/08	4.5	3.4	2.8	2.2	1.1	1.4	1.7	3.1	5.1	5.1	5.6	5.5	5.0	4.5	5.4	5.1	4.4	5.8	6.8	10.5	10.7	11.5	11.0	9.2	24	11.5	1.1	5.5
1/22/08	9.3	11.5	14.1	17.8	15.5	13.7	14.5	14.8	15.5	14.0	11.6	11.1	9.9	8.6	7.8	7.8	8.3	7.5	8.4	6.6	7.4	6.6	6.2	5.5	24	17.8	5.5	10.6
1/23/08	4.8	3.1	6.7	8.6	10.0	10.2	9.8	7.3	6.6	6.0	6.6	7.2	8.2	8.1	7.0	7.0	6.5	7.2	8.4	9.8	8.3	7.6	7.9	7.5	24	10.2	3.1	7.5
1/24/08	7.1	8.3	9.9	9.2	6.9	7.7	8.3	8.4	9.9	11.9	12.9	13.1	9.7	6.1	5.3	7.4	6.3	6.0	6.8	9.1	14.0	15.3	16.8	16.2	24	16.8	5.3	9.7
1/25/08	14.6	12.9	13.8	14.7	14.0	14.0	11.4	6.4	1.9	1.8	2.6	1.7	4.8	6.5	6.7	6.0	5.8	7.4	8.6	8.4	8.9	8.3	8.3	9.6	24	14.7	1.7	8.3
1/26/08	11.7	12.7	14.1	12.7	12.5	12.1	12.4	13.4	14.1	13.5	13.5	12.0	11.2	10.1	9.8	9.8	10.5	11.9	13.2	13.4	13.5	12.3	12.6	11.1	24	14.1	9.8	12.3
1/27/08	12.7	12.4	9.9	7.9	8.4	10.4	9.3	9.7	12.3	12.2	10.5	9.0	7.9	8.2	7.4	6.8	8.4	10.4	10.3	10.4	14.1	13.4	13.5	15.8	24	15.8	6.8	10.5
1/28/08	16.3	16.5	16.5	16.5	16.9	17.1	17.7	15.2	12.2	9.3	12.6	15.3	12.5	12.8	12.6	10.5	16.3	19.7	22.9	21.6	18.6	20.3	19.5	17.2	24	22.9	9.3	16.1
1/29/08	17.0	16.4	15.6	15.7	16.7	15.5	16.7	15.7	15.0	14.0	13.2	13.5	12.3	11.8	11.8	12.2	10.7	9.9	9.1	9.6	8.5	7.6	6.6	7.5	24	17.0	6.6	12.6
1/30/08	7.8	5.7	6.1	5.9	5.4	3.4	3.1	2.1	2.5	3.5	3.8	3.8	3.5	3.7	4.3	4.7	4.0	6.3	4.6	5.4	5.6	5.9	6.7	5.5	24	7.8	2.1	4.7
1/31/08	5.1	5.7	6.7	11.0	10.4	9.9	11.8	9.2	14.4	14.1	12.0	11.5	11.5	10.8	9.3	7.4	8.6	11.4	12.5	10.5	10.1	12.1	10.3	10.2	24	14.4	5.1	10.3
hr max	17.4	16.7	17.0	17.9	17.4	17.1	17.7	15.7	15.5	16.0	15.8	15.3	13.2	12.8	12.6	12.2	16.3	19.7	22.9	21.6	18.9	21.7	20.5	19.5				
hr min	1.5	1.0	1.5	1.2	1.1	1.4	1.7	1.5	1.6	1.6	0.5	1.0	1.5	1.1	1.0	0.7	1.5	1.8	1.8	2.0	2.4	1.8	2.7	1.9				
average	9.8	10.0	10.3	10.5	10.4	10.2	9.9	9.2	9.1	8.6	7.9	7.7	7.5	7.2	6.9	6.8	6.9	7.3	7.6	8.2	9.0	9.5	9.5	9.3				

monthly	monthly	monthly
max hr	min hr	ave hr
22.9	0.5	8.7
1/28/08	1/14/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
Deg
10mWD

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count
1/1/08	319	315	309	314	323	328	330	324	325	330	325	323	313	311	313	314	314	302	307	296	288	289	287	277	24
1/2/08	263	261	231	217	221	222	195	202	206	201	196	191	180	175	174	164	163	165	167	170	178	184	185	189	24
1/3/08	190	190	190	187	196	201	205	210	221	221	269	319	331	331	349	12	19	41	99	135	152	159	171	166	24
1/4/08	158	177	177	148	168	170	171	145	192	287	301	261	282	305	293	287	245	242	233	230	239	226	221	213	24
1/5/08	198	191	188	184	181	178	181	187	188	190	192	194	191	191	188	183	188	201	220	234	249	266	267	227	24
1/6/08	234	240	265	285	268	270	269	269	274	273	237	233	250	252	254	215	191	169	174	173	173	180	170	169	24
1/7/08	168	168	173	171	171	177	201	192	208	222	296	348	346	354	333	319	319	305	300	307	305	313	310	307	24
1/8/08	300	297	299	299	286	296	285	280	272	269	286	315	294	304	307	280	237	173	150	136	148	153	145	150	24
1/9/08	144	137	137	147	120	45	30	23	12	18	12	8	335	347	345	333	338	25	93	154	251	302	294	270	24
1/10/08	294	303	312	315	317	320	318	315	316	314	328	320	314	313	313	313	315	299	262	272	172	131	152	169	24
1/11/08	173	174	182	183	184	188	198	214	226	218	266	309	314	327	340	351	17	59	43	26	15	16	10	4	24
1/12/08	357	353	346	336	339	335	333	331	328	338	327	329	320	323	329	313	299	314	289	250	239	228	225	224	24
1/13/08	219	223	215	223	223	234	244	250	307	328	342	358	2	357	359	1	360	359	354	354	8	42	42	70	24
1/14/08	346	344	346	351	353	358	3	347	311	358	262	282	298	211	190	201	187	188	185	190	184	186	183	181	24
1/15/08	173	174	172	176	169	161	167	165	167	155	154	154	160	168	137	338	346	2	344	306	328	324	333	325	24
1/16/08	323	323	330	319	325	325	321	323	324	326	326	326	320	327	324	324	327	330	329	326	327	321	294	290	24
1/17/08	301	313	248	233	241	229	228	220	224	220	227	232	247	264	266	263	264	269	244	249	279	326	353	356	24
1/18/08	351	342	342	330	332	332	329	326	321	318	321	318	319	318	319	313	315	321	317	321	300	302	315	300	24
1/19/08	299	278	256	252	251	249	246	254	260	274	282	294	294	293	316	303	318	300	279	307	248	288	298	155	24
1/20/08	175	203	206	235	254	54	51	27	39	64	102	135	136	116	121	100	104	119	121	132	133	139	145	151	24
1/21/08	151	149	147	91	32	25	25	14	10	10	16	25	22	16	353	338	320	298	279	273	262	269	265	248	24
1/22/08	238	232	254	260	248	239	237	246	251	255	269	289	291	295	289	289	275	267	262	240	229	230	232	244	24
1/23/08	268	58	72	62	44	27	16	9	4	351	336	335	322	315	323	321	314	294	270	266	281	259	251	254	24
1/24/08	247	238	221	215	216	214	213	192	193	194	194	194	182	170	157	150	162	171	160	159	157	164	170	169	24
1/25/08	162	157	162	167	169	176	184	25	8	47	21	318	310	309	312	315	296	286	282	275	264	259	256	248	24
1/26/08	245	247	256	245	249	237	232	234	250	249	265	269	277	278	279	276	271	267	252	245	238	231	236	238	24
1/27/08	236	213	214	206	201	196	191	185	183	195	200	198	210	218	217	220	199	198	194	182	185	179	190	202	24
1/28/08	213	210	211	214	222	228	249	262	254	193	195	201	209	219	232	256	332	328	324	327	323	320	324	323	24
1/29/08	316	319	318	314	311	314	315	319	324	318	314	313	311	308	307	310	317	313	314	318	320	319	311	325	24
1/30/08	332	336	335	343	358	348	14	29	50	62	83	121	128	120	124	110	107	121	117	108	116	118	130	137	24
1/31/08	148	153	158	164	163	160	167	164	173	184	190	191	187	180	178	174	160	157	157	159	162	168	164	165	24

Validated by:	Roger L Thompson	Date: 2/10/08
Analyst:	Denise Hazelman	Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
Deg
50mWD

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count
1/1/08	318	315	309	313	321	325	329	323	324	328	323	321	311	310	312	314	314	310	319	312	302	306	304	297	24
1/2/08	284	281	256	253	251	242	231	221	217	208	195	191	181	176	173	165	163	164	167	170	177	183	184	188	24
1/3/08	189	189	189	187	195	199	204	212	236	252	289	318	330	334	355	13	21	37	75	115	146	154	163	170	24
1/4/08	181	184	186	167	167	166	162	157	177	224	265	260	285	308	296	293	268	261	243	238	239	240	236	222	24
1/5/08	204	199	189	187	184	181	183	186	186	188	192	195	194	190	190	189	191	199	222	259	282	289	300	256	24
1/6/08	246	244	264	290	277	277	280	282	290	283	244	236	253	259	264	224	206	184	175	170	172	179	171	169	24
1/7/08	172	172	179	179	179	182	202	199	212	238	299	349	346	352	331	318	320	313	306	313	312	319	319	320	24
1/8/08	319	317	317	319	314	318	317	312	296	293	300	315	295	303	308	281	242	181	160	143	150	152	144	150	24
1/9/08	148	147	145	152	146	124	123	120	122	120	45	9	333	345	343	330	337	21	49	63	0	329	312	297	24
1/10/08	309	313	317	321	319	319	319	317	316	316	326	319	315	313	313	313	314	323	306	278	202	137	154	165	24
1/11/08	171	174	184	184	187	191	203	229	250	275	286	309	313	325	337	349	10	53	45	23	15	15	9	3	24
1/12/08	356	351	345	336	339	334	332	330	328	337	327	329	318	320	326	309	300	319	289	254	245	232	226	224	24
1/13/08	225	233	229	232	234	246	262	282	316	329	340	356	360	355	358	359	359	357	353	355	7	42	47	52	24
1/14/08	7	3	7	359	355	355	1	347	310	356	316	278	292	200	186	203	189	188	183	191	185	186	183	181	24
1/15/08	173	173	171	174	168	162	167	166	166	157	156	155	161	167	139	352	349	360	340	307	326	323	332	324	24
1/16/08	322	322	329	318	324	324	319	322	322	324	325	325	319	326	324	322	326	329	332	331	332	329	320	313	24
1/17/08	320	328	282	283	263	256	248	238	235	227	229	232	247	262	263	261	265	274	259	259	287	328	351	355	24
1/18/08	349	340	339	329	333	331	328	325	322	318	321	319	318	318	318	314	316	321	319	322	311	313	319	307	24
1/19/08	312	293	278	281	286	294	282	278	280	279	284	294	296	293	316	303	319	318	318	335	274	309	319	336	24
1/20/08	205	209	66	148	192	64	89	91	105	112	114	139	139	120	123	105	108	125	127	135	137	142	146	155	24
1/21/08	155	154	157	110	55	48	38	28	15	12	15	25	23	17	352	336	319	307	287	281	279	282	282	270	24
1/22/08	254	249	257	258	248	242	242	248	253	262	272	290	289	293	287	288	273	266	264	247	245	251	257	267	24
1/23/08	293	62	74	62	256	346	18	11	5	352	335	333	320	314	322	319	313	301	287	294	290	279	276	267	24
1/24/08	252	245	241	240	236	222	211	200	197	192	190	187	181	170	158	151	162	167	162	160	161	168	177	178	24
1/25/08	174	168	170	171	172	181	187	173	32	68	50	21	307	309	311	315	301	290	291	285	277	273	274	272	24
1/26/08	256	266	283	277	274	265	268	261	270	269	269	271	279	277	279	278	273	272	262	256	252	247	254	256	24
1/27/08	250	239	239	231	221	218	205	192	187	196	201	200	210	218	217	224	202	203	204	191	190	184	187	201	24
1/28/08	216	215	218	221	230	239	251	263	262	209	198	200	209	223	233	255	331	327	323	325	322	320	323	322	24
1/29/08	316	318	318	314	310	314	315	318	322	318	314	312	309	308	307	309	317	313	314	318	321	322	314	324	24
1/30/08	330	333	334	340	356	345	13	29	49	61	85	121	127	122	122	109	106	122	119	109	119	122	132	141	24
1/31/08	151	154	158	163	167	166	168	168	174	185	193	194	189	180	178	174	159	156	158	161	166	170	165	167	24

Validated by:	Roger L Thompson	Date: 2/10/08
Analyst:	Denise Hazelman	Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
Deg
100WD

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count
1/1/08	324	322	315	318	325	329	333	329	329	333	329	327	316	315	317	318	318	319	328	321	314	319	316	306	24
1/2/08	300	291	276	271	265	256	255	244	245	228	197	206	191	184	180	173	171	172	175	177	184	190	191	194	24
1/3/08	195	194	195	194	199	214	223	237	267	299	325	337	357	349	7	20	21	43	70	112	151	160	171	178	24
1/4/08	178	179	192	171	174	178	181	179	203	233	266	285	298	322	317	320	304	292	275	249	252	250	253	228	24
1/5/08	219	213	207	201	195	194	195	195	195	196	204	204	207	206	211	211	210	212	242	285	301	301	317	285	24
1/6/08	256	253	273	302	293	291	293	296	303	298	266	250	271	277	279	247	223	209	196	181	179	183	183	184	24
1/7/08	186	188	194	194	194	195	215	223	235	272	318	358	353	356	336	323	326	323	320	326	323	331	335	333	24
1/8/08	335	334	332	335	332	342	345	335	325	328	334	328	304	307	314	291	249	197	175	153	160	165	163	162	24
1/9/08	163	163	167	172	162	150	149	153	158	167	169	80	330	345	343	332	346	20	25	15	344	322	321	315	24
1/10/08	324	331	333	337	332	332	329	327	326	328	330	325	323	320	318	317	318	328	306	278	241	177	188	185	24
1/11/08	193	194	195	194	204	214	234	264	287	299	302	315	316	328	341	355	9	45	47	27	20	20	14	9	24
1/12/08	2	356	350	346	349	339	340	336	335	343	336	336	323	324	328	312	305	319	297	262	249	238	231	232	24
1/13/08	239	244	241	254	261	281	295	310	333	343	346	1	5	0	3	5	5	3	0	3	14	49	51	49	24
1/14/08	32	33	25	7	3	358	6	354	314	348	326	284	296	200	191	212	195	194	193	194	192	193	189	187	24
1/15/08	178	179	178	180	174	168	173	172	172	164	162	161	169	180	149	337	349	344	328	314	332	327	337	330	24
1/16/08	326	327	333	323	328	329	324	326	326	328	329	329	324	330	328	326	331	334	340	340	342	341	336	334	24
1/17/08	335	338	315	302	286	269	255	255	257	251	244	241	256	271	269	267	276	288	282	282	305	337	357	1	24
1/18/08	355	345	343	333	338	336	332	329	326	321	324	323	321	321	321	317	319	324	323	328	322	323	327	318	24
1/19/08	328	312	297	303	308	311	303	301	305	293	292	300	301	298	319	307	322	321	315	329	292	317	323	330	24
1/20/08	326	347	11	33	48	64	97	120	130	135	128	143	141	124	124	109	112	132	133	141	144	147	151	157	24
1/21/08	158	159	163	150	97	44	10	15	14	23	20	32	31	20	358	341	323	312	295	293	292	299	299	290	24
1/22/08	274	274	276	273	259	254	258	266	279	287	287	295	294	298	293	294	280	273	276	261	262	270	282	290	24
1/23/08	308	52	85	70	51	36	23	18	12	359	340	337	324	318	325	321	316	307	297	302	301	289	288	282	24
1/24/08	270	259	258	264	264	247	231	225	217	197	194	192	185	176	168	156	168	177	176	180	185	192	195	194	24
1/25/08	192	188	187	188	191	194	197	205	273	57	35	347	320	315	315	322	310	300	298	295	283	280	282	282	24
1/26/08	278	290	302	297	295	288	289	281	288	290	287	286	290	285	285	287	283	282	277	274	270	267	275	278	24
1/27/08	263	258	270	255	232	232	224	218	204	221	224	219	221	228	231	238	218	221	219	203	199	197	195	210	24
1/28/08	228	229	235	236	244	252	259	271	275	229	210	208	221	234	243	267	334	332	326	328	325	323	326	326	24
1/29/08	321	322	321	317	314	318	319	321	325	321	318	316	313	313	312	314	321	318	319	323	326	329	322	329	24
1/30/08	335	336	338	344	2	348	18	36	56	70	95	126	131	131	128	117	112	128	127	118	127	135	152	167	24
1/31/08	172	175	179	184	186	191	189	179	185	193	195	195	192	186	185	179	165	162	162	165	173	179	175	177	24

Validated by:	Roger L Thompson	Date: 2/10/08
Analyst:	Denise Hazelman	Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
Deg
10sigT

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	4.6	4.5	5.2	5.5	5.2	4.8	5.2	5.1	4.9	4.7	5.4	6.1	5.2	6.4	6.6	5.3	5.3	2.4	3.2	2.6	2.5	3.0	2.5	4.8	24	6.6	2.4	4.6
1/2/08	4.5	11.2	6.3	3.4	3.7	5.0	4.5	3.1	3.6	6.0	7.3	8.2	7.2	6.8	6.6	6.2	6.5	6.4	6.0	6.1	6.2	6.8	6.6	8.1	24	11.2	3.1	6.1
1/3/08	8.0	7.9	7.6	6.8	7.5	6.6	5.5	4.6	3.9	6.8	10.7	8.7	9.8	10.2	14.8	14.1	9.2	8.8	7.2	5.3	3.8	5.2	6.2	18.7	24	18.7	3.8	8.2
1/4/08	17.0	7.4	4.2	9.0	4.5	5.4	5.5	24.2	17.0	21.4	25.2	7.1	5.1	5.6	6.8	7.1	6.7	3.9	4.7	3.4	2.2	7.1	3.1	3.3	24	25.2	2.2	8.6
1/5/08	4.7	5.8	5.1	5.8	5.3	5.9	5.8	6.5	6.7	7.5	7.4	7.7	7.1	7.3	6.5	5.1	6.1	6.6	7.0	4.4	6.1	4.3	8.9	7.9	24	8.9	4.3	6.3
1/6/08	5.6	5.6	6.1	5.6	5.1	5.3	5.2	4.4	5.6	5.2	6.9	7.2	6.7	7.4	9.9	9.1	5.6	3.0	2.9	3.6	4.4	5.3	5.7	5.9	24	9.9	2.9	5.7
1/7/08	5.4	5.5	4.9	4.2	4.6	6.2	6.3	4.1	5.3	10.9	10.2	8.8	7.0	7.0	7.6	5.3	4.4	4.3	4.1	4.6	4.9	4.1	3.7	3.8	24	10.9	3.7	5.7
1/8/08	3.2	3.0	2.7	2.4	3.9	4.2	3.6	3.9	4.5	14.4	9.8	9.0	10.3	12.8	12.4	13.5	8.7	8.5	3.1	4.0	3.0	5.3	5.6	5.4	24	14.4	2.4	6.6
1/9/08	5.4	5.1	6.5	7.2	13.0	15.1	15.4	13.6	12.5	13.8	19.2	28.0	15.0	10.4	12.2	6.0	6.7	7.5	13.3	32.7	9.1	4.3	4.1	6.9	24	32.7	4.1	11.8
1/10/08	3.8	4.5	4.2	3.5	4.3	4.4	5.2	4.6	4.9	5.9	5.9	6.9	7.2	8.4	7.3	7.7	5.1	11.0	24.5	24.6	11.4	4.9	5.6	6.5	24	24.6	3.5	7.6
1/11/08	5.9	5.8	6.5	6.5	6.2	7.0	6.7	5.5	7.3	30.8	42.0	5.8	5.7	7.6	7.2	6.0	15.3	11.3	7.4	7.9	7.2	7.6	7.1	6.1	24	42.0	5.5	9.7
1/12/08	6.6	6.4	5.8	7.2	6.8	5.9	5.1	5.1	5.8	8.7	7.7	9.3	8.2	11.9	15.1	14.0	9.5	9.4	10.3	4.2	2.2	3.4	3.2	4.0	24	15.1	2.2	7.3
1/13/08	4.1	5.2	6.1	5.7	5.5	6.4	6.9	11.4	4.9	5.0	5.7	8.4	7.9	8.1	8.9	9.4	8.0	9.4	9.0	6.4	8.3	9.4	9.7	22.3	24	22.3	4.1	8.0
1/14/08	12.9	8.6	6.8	4.6	5.8	7.4	8.9	17.4	14.9	12.8	48.2	19.1	19.9	39.0	17.1	14.6	10.0	8.1	7.3	8.0	7.6	7.7	6.8	6.6	24	48.2	4.6	13.3
1/15/08	6.2	6.1	6.9	7.1	6.5	6.6	6.7	6.6	7.2	6.6	6.6	7.7	7.5	14.5	12.1	38.7	10.3	6.3	15.6	7.5	5.7	5.7	5.1	5.6	24	38.7	5.1	9.0
1/16/08	5.9	5.6	5.4	6.0	5.7	5.2	5.4	5.5	6.1	5.5	6.2	6.3	6.6	6.6	7.5	6.1	5.6	5.0	4.8	4.7	4.8	4.5	6.2	3.7	24	7.5	3.7	5.6
1/17/08	3.9	8.5	6.9	7.7	5.1	4.2	5.3	5.0	5.1	6.1	6.9	6.9	9.1	10.0	7.8	6.5	6.1	6.2	4.6	4.8	5.2	6.3	5.6	6.3	24	10.0	3.9	6.3
1/18/08	5.8	5.8	5.9	5.7	4.8	4.9	5.1	4.7	5.1	5.1	6.4	6.2	7.3	7.8	8.2	7.0	6.4	5.4	4.5	5.8	5.6	4.4	4.9	4.5	24	8.2	4.4	5.7
1/19/08	5.0	4.8	4.2	4.6	4.5	4.8	4.6	6.4	6.9	7.2	7.5	7.6	11.3	10.6	10.1	10.3	7.9	9.0	10.3	5.3	10.0	21.8	7.6	18.7	24	21.8	4.2	8.4
1/20/08	6.8	6.4	5.1	9.4	21.7	11.2	4.1	5.5	6.6	17.9	13.4	11.1	11.0	10.9	10.0	10.2	9.2	9.8	8.5	6.4	7.2	6.3	7.1	6.1	24	21.7	4.1	9.2
1/21/08	7.8	9.0	10.2	10.4	14.2	5.5	5.2	5.5	5.3	8.0	8.5	9.8	10.5	11.5	9.1	6.9	4.6	4.0	4.2	4.5	3.8	4.4	4.9	4.3	24	14.2	3.8	7.2
1/22/08	4.9	7.7	6.1	4.9	5.4	5.4	5.5	4.8	5.1	5.4	6.3	6.5	6.1	7.6	7.4	6.0	5.9	4.8	4.5	4.4	2.5	6.7	4.2	4.2	24	7.7	2.5	5.5
1/23/08	14.7	9.0	8.0	8.3	7.2	7.2	6.3	6.1	4.5	6.0	5.8	5.5	5.4	6.6	6.8	6.4	4.3	5.7	4.0	9.7	3.5	4.1	3.4	3.3	24	14.7	3.3	6.3
1/24/08	3.2	3.7	5.1	4.1	2.9	2.4	4.1	5.5	8.3	8.6	8.7	8.3	7.4	7.2	7.5	7.3	5.9	4.6	5.7	5.1	5.2	5.6	4.9	4.7	24	8.7	2.4	5.7
1/25/08	4.8	3.8	4.5	5.2	4.9	4.7	17.7	23.9	8.2	11.5	21.5	14.7	6.6	6.5	5.4	4.5	11.1	6.0	6.4	5.2	5.0	4.0	4.0	4.5	24	23.9	3.8	8.1
1/26/08	4.6	4.4	3.8	5.3	4.6	4.3	4.7	5.2	4.5	7.2	5.2	4.9	5.0	5.4	5.5	5.0	5.7	5.0	4.3	4.3	5.5	3.0	4.8	3.3	24	7.2	3.0	4.8
1/27/08	4.9	2.9	3.1	3.2	4.3	5.8	6.7	5.3	5.3	8.3	6.9	7.5	6.5	5.9	6.3	8.1	7.7	6.0	5.2	4.8	5.8	5.6	9.2	8.2	24	9.2	2.9	6.0
1/28/08	5.8	5.5	7.3	5.7	5.4	9.4	5.7	4.6	9.8	7.2	7.5	6.6	5.8	7.0	6.3	7.8	6.6	5.0	5.7	6.1	6.0	5.4	5.6	6.0	24	9.8	4.6	6.4
1/29/08	6.2	6.5	6.3	5.9	5.5	5.9	5.6	6.1	6.9	6.5	7.2	7.6	8.1	8.1	8.5	7.6	7.2	7.0	5.9	5.9	6.2	5.6	8.3	7.0	24	8.5	5.5	6.7
1/30/08	6.5	6.7	6.6	6.9	7.1	9.8	10.6	15.3	14.3	15.0	14.2	13.3	17.6	17.2	16.1	13.3	10.6	8.6	8.2	7.5	7.1	7.5	7.2	7.3	24	17.6	6.5	10.6
1/31/08	6.7	6.3	5.9	6.4	7.8	6.5	6.0	6.4	6.1	6.6	8.1	8.4	8.2	7.3	7.2	7.4	6.1	6.2	5.9	5.9	6.3	5.8	5.9	6.2	24	8.4	5.8	6.7
hr max	17.0	11.2	10.2	10.4	21.7	15.1	17.7	24.2	17.0	30.8	48.2	28.0	19.9	39.0	17.1	38.7	15.3	11.3	24.5	32.7	11.4	21.8	9.7	22.3				
hr min	3.2	2.9	2.7	2.4	2.9	2.4	3.6	3.1	3.6	4.7	5.2	4.9	5.0	5.4	5.4	4.5	4.3	2.4	2.9	2.6	2.2	3.0	2.5	3.3				
average	6.3	6.1	5.8	5.9	6.4	6.2	6.4	7.6	7.0	9.4	11.6	9.0	8.5	9.7	9.1	9.1	7.4	6.6	7.0	7.0	5.6	6.0	5.7	6.9				

monthly	monthly	monthly
max hr	min hr	ave hr
48.2	2.2	7.3
1/14/08	1/4/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
Deg
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data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	3.6	3.8	4.1	5.1	4.1	3.7	3.9	4.3	3.8	3.4	4.2	4.9	3.9	5.6	4.9	4.3	4.3	1.6	1.5	1.8	1.7	1.1	0.9	2.4	24	5.6	0.9	3.5
1/2/08	2.5	3.0	6.9	3.0	1.5	1.1	2.3	2.2	1.9	2.9	5.1	6.2	5.6	4.7	4.8	4.0	3.8	3.9	3.7	3.9	4.3	4.2	4.9	6.2	24	6.9	1.1	3.9
1/3/08	6.0	5.5	5.1	4.2	4.2	2.5	1.6	1.5	2.9	4.7	8.9	7.0	6.6	7.1	9.0	10.0	4.8	4.7	5.4	6.3	2.4	2.8	1.8	1.5	24	10.0	1.5	4.9
1/4/08	2.2	3.0	3.0	1.6	1.4	1.5	1.5	4.5	4.8	8.4	8.4	5.8	4.3	4.9	5.9	5.5	8.1	4.3	2.5	1.8	1.5	5.0	2.6	3.6	24	8.4	1.4	4.0
1/5/08	2.3	3.8	2.7	2.7	2.5	2.3	2.9	4.2	4.0	4.7	4.6	4.5	4.5	4.5	4.2	3.7	3.6	2.6	3.2	3.2	5.1	2.5	3.8	7.6	24	7.6	2.3	3.7
1/6/08	1.6	2.4	4.1	4.0	3.7	3.7	3.2	2.4	2.0	2.4	6.6	5.2	5.1	5.2	8.1	6.2	4.0	3.8	2.6	2.3	1.7	1.7	2.1	2.6	24	8.1	1.6	3.6
1/7/08	1.7	1.9	1.5	1.3	1.5	2.6	3.1	3.0	4.0	5.7	9.3	6.7	4.7	4.9	6.1	3.8	2.4	3.1	2.0	2.0	3.2	2.6	1.9	1.7	24	9.3	1.3	3.4
1/8/08	1.2	1.6	1.5	1.4	1.9	2.1	2.0	2.5	2.9	4.3	7.0	6.8	7.8	8.7	8.8	12.1	7.5	10.3	2.7	3.5	2.0	2.4	1.3	0.9	24	12.1	0.9	4.3
1/9/08	1.0	1.7	2.8	2.6	4.3	6.6	4.1	4.2	4.4	8.5	20.6	26.4	14.2	7.7	11.2	4.3	3.9	6.4	6.2	18.6	12.6	3.0	1.7	3.1	24	26.4	1.0	7.5
1/10/08	1.2	2.1	2.4	2.2	2.4	2.6	3.5	2.8	3.1	4.6	4.1	5.0	5.2	7.2	5.4	5.6	3.4	5.2	6.5	14.1	9.7	4.2	3.9	3.1	24	14.1	1.2	4.6
1/11/08	2.4	3.4	3.1	3.0	3.2	4.4	2.5	4.3	6.0	17.6	22.0	4.5	4.5	6.0	5.7	4.6	13.5	7.5	4.0	5.1	4.5	4.7	4.1	3.8	24	22.0	2.4	6.0
1/12/08	4.5	4.5	3.7	4.9	4.5	3.9	3.2	3.9	4.1	6.8	6.0	7.9	6.1	9.0	11.0	11.2	8.8	8.8	4.1	4.1	1.9	1.7	1.4	1.8	24	11.2	1.4	5.3
1/13/08	0.8	1.7	3.4	2.7	3.7	3.6	5.7	10.2	2.8	3.2	4.2	6.2	5.8	6.4	7.0	7.3	5.8	8.7	6.2	5.1	5.9	4.6	2.9	6.1	24	10.2	0.8	5.0
1/14/08	7.1	5.4	2.9	2.4	3.1	5.7	6.3	14.2	11.8	12.9	40.0	15.5	17.3	31.1	12.9	11.0	8.5	5.8	3.3	5.8	5.6	5.2	4.5	4.1	24	40.0	2.4	10.1
1/15/08	3.9	3.7	4.3	4.8	3.9	4.1	3.9	4.1	4.5	4.1	3.6	4.9	4.7	11.0	9.4	36.4	6.9	4.1	9.3	5.2	4.2	4.3	3.8	4.3	24	36.4	3.6	6.4
1/16/08	4.3	4.3	3.9	4.7	4.5	3.8	4.3	4.3	4.6	3.8	4.6	4.9	4.9	4.7	6.0	4.6	4.2	3.2	2.7	2.1	2.4	1.9	1.9	2.7	24	6.0	1.9	3.9
1/17/08	1.6	4.1	3.7	3.1	2.4	3.2	1.4	2.1	1.7	3.2	4.9	4.6	6.9	8.5	7.1	5.3	6.1	4.8	4.7	2.5	3.5	5.1	4.4	4.7	24	8.5	1.4	4.2
1/18/08	4.3	3.9	4.2	4.0	3.6	3.5	3.7	3.8	4.5	4.1	4.8	4.7	5.5	5.9	6.6	5.4	5.1	4.2	3.5	3.8	4.3	3.6	3.2	2.5	24	6.6	2.5	4.3
1/19/08	3.1	3.8	3.1	3.0	3.6	2.9	1.6	3.8	3.7	6.3	6.1	6.5	9.3	9.4	8.4	8.1	7.4	3.2	4.2	5.2	10.4	4.9	4.7	9.1	24	10.4	1.6	5.5
1/20/08	36.5	15.4	27.9	31.3	25.6	6.5	3.2	4.9	2.6	6.2	9.5	7.8	7.8	7.8	7.7	7.5	6.1	6.6	6.2	4.8	4.4	5.0	5.2	3.5	24	36.5	2.6	10.4
1/21/08	4.6	5.6	4.0	10.7	10.7	3.2	4.5	3.4	1.7	5.1	5.1	6.5	7.1	9.2	6.9	5.3	4.1	2.2	2.6	1.9	1.4	1.7	2.9	2.0	24	10.7	1.4	4.7
1/22/08	3.1	3.4	3.9	3.1	3.1	3.5	2.9	2.5	3.1	5.0	5.9	10.7	5.4	6.8	7.0	5.5	4.7	4.7	3.0	2.8	1.4	1.5	1.8	1.3	24	10.7	1.3	4.0
1/23/08	13.1	7.5	4.4	5.8	19.6	32.3	3.5	17.7	2.6	4.1	4.6	3.7	4.1	5.2	6.0	5.7	3.8	4.4	2.1	2.6	1.5	1.8	1.6	3.9	24	32.3	1.5	6.7
1/24/08	2.9	1.3	2.4	2.6	2.8	3.2	1.6	2.8	2.1	3.8	4.6	5.4	5.2	4.9	4.8	4.7	3.5	1.5	2.6	2.7	2.3	2.1	1.6	1.5	24	5.4	1.3	3.0
1/25/08	1.6	1.5	1.2	1.3	1.2	1.4	3.2	9.8	30.4	9.3	18.2	19.8	4.7	4.5	4.2	2.9	8.7	4.3	3.0	3.2	1.7	2.5	3.0	1.5	24	30.4	1.2	6.0
1/26/08	3.1	2.7	2.0	4.6	2.9	2.0	3.4	3.0	1.8	4.0	5.0	4.7	4.0	4.7	5.4	4.7	4.6	3.4	1.9	2.3	2.1	1.1	1.1	1.4	24	5.4	1.1	3.2
1/27/08	2.2	2.0	4.6	4.4	3.8	2.4	3.3	3.0	3.8	5.0	3.3	4.7	3.9	3.3	3.2	5.5	4.0	2.0	4.0	3.8	3.0	2.3	4.8	5.3	24	5.5	2.0	3.7
1/28/08	1.9	1.6	2.7	3.2	2.6	6.4	2.1	2.1	5.2	9.4	4.3	3.6	2.6	3.4	3.8	7.4	5.0	3.6	4.2	7.1	4.7	4.2	4.5	4.6	24	9.4	1.6	4.2
1/29/08	4.9	5.0	4.8	4.9	4.2	5.0	4.4	4.6	5.6	5.2	6.2	6.1	6.3	7.1	6.8	6.1	6.1	5.5	4.7	4.9	5.0	4.5	6.6	5.2	24	7.1	4.2	5.4
1/30/08	5.5	4.9	4.3	5.1	5.3	6.4	8.1	11.6	11.2	8.9	10.7	10.5	13.2	14.3	13.1	10.4	8.7	5.7	6.1	5.1	3.6	3.1	3.3	3.3	24	14.3	3.1	7.6
1/31/08	3.0	3.3	2.2	2.4	4.1	2.8	2.5	13.7	20.9	5.0	5.7	6.2	5.5	4.6	4.6	4.6	3.3	2.9	3.2	3.5	3.2	3.6	3.5	3.5	24	20.9	2.2	4.9
hr max	36.5	15.4	27.9	31.3	25.6	32.3	8.1	17.7	30.4	17.6	40.0	26.4	17.3	31.1	13.1	36.4	13.5	10.3	9.3	18.6	12.6	5.2	6.6	9.1				
hr min	0.8	1.3	1.2	1.3	1.2	1.1	1.4	1.5	1.7	2.4	3.3	3.6	2.6	3.3	3.2	2.9	2.4	1.5	1.5	1.8	1.4	1.1	0.9	0.9				
average	4.4	3.8	4.2	4.5	4.7	4.5	3.3	5.2	5.4	5.9	8.3	7.4	6.3	7.4	7.0	7.2	5.6	4.6	3.9	4.6	3.9	3.2	3.1	3.5				

monthly max hr	monthly min hr	monthly ave hr
40.0	0.8	5.1
1/14/08	1/13/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
Deg
100sT

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	3.1	3.1	3.6	4.7	3.7	3.2	3.7	3.5	3.1	3.0	4.1	4.7	3.6	5.1	4.4	3.6	3.6	1.9	1.0	1.3	1.6	0.8	1.5	1.4	24	5.1	0.8	3.1
1/2/08	1.1	1.8	6.4	0.9	1.6	1.0	2.5	2.6	3.0	3.7	4.4	3.4	5.6	4.9	4.2	2.7	2.7	2.4	2.3	2.6	3.3	3.7	3.8	4.0	24	6.4	0.9	3.1
1/3/08	3.1	2.7	2.4	2.1	2.2	1.7	1.4	1.9	3.4	3.6	3.5	3.3	6.2	7.5	7.0	12.0	5.2	6.8	5.8	6.4	3.1	3.1	2.2	2.5	24	12.0	1.4	4.1
1/4/08	1.9	3.6	2.5	1.8	2.0	1.2	1.6	2.3	3.0	4.6	5.9	4.5	3.9	2.9	7.1	4.6	5.4	4.6	4.1	2.8	2.2	2.2	2.7	2.5	24	7.1	1.2	3.3
1/5/08	1.6	2.1	2.0	2.7	2.6	2.6	3.0	2.8	2.8	2.8	3.0	2.9	4.7	3.7	2.5	4.1	3.1	3.4	4.0	3.5	3.2	2.1	3.0	7.5	24	7.5	1.6	3.2
1/6/08	2.2	2.2	2.4	3.6	2.9	2.7	2.9	1.5	2.2	1.8	7.3	5.3	4.0	4.0	5.4	4.7	4.8	7.1	3.9	2.7	2.2	1.9	1.8	1.8	24	7.3	1.5	3.4
1/7/08	2.5	2.7	2.3	2.0	2.2	2.2	3.6	2.1	3.8	4.3	8.3	7.0	5.2	5.8	5.7	3.3	2.0	2.0	1.7	1.3	2.6	2.3	1.3	1.3	24	8.3	1.3	3.2
1/8/08	0.7	1.2	1.0	0.7	1.1	1.8	2.1	1.6	1.4	4.3	5.4	7.9	7.3	8.2	8.2	11.0	10.4	7.0	2.5	3.4	1.4	1.3	1.9	1.0	24	11.0	0.7	3.9
1/9/08	1.2	1.1	1.6	1.8	1.1	2.6	3.3	2.6	1.9	3.0	13.5	65.2	18.2	8.3	11.4	3.5	3.8	4.4	4.1	6.5	4.2	1.5	1.7	3.7	24	65.2	1.1	7.1
1/10/08	1.5	2.4	2.3	1.4	2.1	1.9	2.5	1.8	2.3	3.4	4.2	4.7	6.1	6.4	5.0	4.3	2.9	4.2	4.7	11.6	3.9	8.4	4.7	3.7	24	11.6	1.4	4.0
1/11/08	2.2	2.5	2.5	2.3	3.6	3.3	2.9	4.8	5.8	5.6	5.8	3.8	4.1	5.4	5.1	5.8	11.4	9.0	3.9	4.9	3.3	3.8	3.8	3.6	24	11.4	2.2	4.6
1/12/08	4.6	5.6	3.3	3.6	4.1	3.9	3.1	3.9	3.6	6.7	6.1	6.7	5.5	8.4	8.9	10.2	8.3	5.2	3.8	3.8	1.8	1.9	1.1	1.5	24	10.2	1.1	4.8
1/13/08	1.1	1.1	1.2	2.9	3.0	3.5	3.9	5.7	2.0	2.3	4.2	5.3	5.9	6.2	6.0	6.5	6.7	8.3	6.5	6.2	5.3	3.9	2.5	4.0	24	8.3	1.1	4.3
1/14/08	4.8	5.5	3.6	3.3	3.1	6.7	5.8	14.1	10.5	11.5	47.6	13.0	19.1	25.7	10.3	9.2	7.4	4.1	2.4	2.5	4.3	4.3	3.9	3.5	24	47.6	2.4	9.4
1/15/08	3.2	2.8	2.7	3.3	3.1	3.0	2.8	3.3	3.8	4.1	3.7	4.7	4.9	17.2	10.4	35.1	6.7	5.6	5.8	3.7	3.9	3.8	3.8	3.8	24	35.1	2.7	6.1
1/16/08	3.8	4.0	3.7	4.3	4.1	3.7	3.9	3.6	3.8	3.4	4.1	4.5	4.5	4.2	5.1	4.1	3.6	2.7	1.5	0.7	0.8	1.1	1.2	1.5	24	5.1	0.7	3.2
1/17/08	1.0	1.9	2.6	1.6	2.2	2.0	2.3	1.6	1.1	1.9	4.3	4.5	7.0	8.1	6.3	4.1	5.3	3.8	4.0	2.1	2.6	4.7	5.3	5.0	24	8.1	1.0	3.6
1/18/08	5.5	3.3	4.0	3.8	3.3	3.2	3.5	3.7	4.1	3.8	3.9	4.5	5.0	5.5	6.0	4.6	4.5	3.5	2.7	2.6	3.3	3.8	3.1	2.5	24	6.0	2.5	3.9
1/19/08	2.6	3.3	3.1	2.3	2.0	1.9	2.1	3.0	2.3	5.0	5.7	6.1	8.3	8.6	7.8	7.0	7.3	2.3	4.1	2.6	7.8	3.6	2.0	3.1	24	8.6	1.9	4.3
1/20/08	4.0	11.9	5.3	3.7	4.3	3.9	2.5	3.8	2.5	2.0	6.6	6.5	6.3	7.3	6.1	6.4	5.4	5.4	4.9	4.9	3.9	4.5	4.3	2.8	24	11.9	2.0	5.0
1/21/08	3.1	3.3	2.1	8.4	17.0	10.6	8.2	3.4	3.2	4.3	4.7	5.1	6.2	8.1	7.4	5.5	4.0	2.2	1.8	1.2	1.4	1.0	1.4	2.2	24	17.0	1.0	4.8
1/22/08	3.2	2.9	2.6	1.8	1.8	1.9	1.9	2.8	2.3	2.6	4.2	4.6	4.4	5.6	6.0	4.3	3.8	3.7	2.8	3.0	2.7	2.1	1.8	1.2	24	6.0	1.2	3.1
1/23/08	8.7	11.0	3.5	5.2	3.7	3.8	2.7	2.4	1.8	4.7	4.6	3.6	3.7	4.6	5.9	5.3	3.5	2.3	1.6	1.1	1.4	1.3	1.0	2.0	24	11.0	1.0	3.7
1/24/08	3.0	2.9	1.8	1.5	2.4	3.0	1.8	1.9	1.9	2.9	2.1	2.0	4.5	5.0	4.4	3.8	2.4	1.2	1.9	1.8	1.7	2.0	2.0	1.8	24	5.0	1.2	2.5
1/25/08	1.7	1.8	1.4	1.6	1.7	2.0	2.7	4.6	36.1	12.2	3.7	7.4	8.0	4.0	4.0	3.1	5.5	3.1	1.5	3.2	1.8	2.7	1.8	1.5	24	36.1	1.4	4.9
1/26/08	2.9	1.5	1.2	1.6	1.8	1.4	1.3	1.7	1.1	1.0	2.0	2.5	2.9	3.9	3.8	2.8	2.7	2.4	1.0	2.2	1.7	1.6	1.3	2.9	24	3.9	1.0	2.1
1/27/08	2.3	2.2	3.2	2.4	3.9	2.9	3.7	3.3	2.7	2.0	2.6	4.7	4.0	3.2	3.6	4.8	3.1	1.7	3.4	4.5	3.5	2.8	2.9	3.6	24	4.8	1.7	3.2
1/28/08	1.5	1.4	1.9	2.3	1.5	3.0	1.4	1.6	4.1	7.6	3.2	2.6	1.9	2.1	1.8	7.4	4.0	2.6	3.4	4.0	4.4	3.7	3.9	4.1	24	7.6	1.4	3.1
1/29/08	4.4	4.4	4.4	4.6	3.6	4.3	4.0	4.0	4.8	4.8	5.3	5.1	5.6	6.0	5.8	5.4	5.6	4.8	3.4	3.7	3.9	3.4	5.5	4.2	24	6.0	3.4	4.6
1/30/08	5.0	4.7	4.1	4.5	5.2	6.9	8.0	11.7	10.9	8.6	9.5	9.2	11.5	12.7	11.1	8.6	7.6	5.0	5.2	4.5	2.1	2.1	2.7	2.3	24	12.7	2.1	6.8
1/31/08	0.7	1.3	0.7	1.1	2.8	2.3	2.0	1.2	1.9	3.3	3.7	4.5	4.5	4.8	4.6	4.2	2.2	1.8	1.7	1.3	1.4	1.9	1.8	1.4	24	4.8	0.7	2.4
hr max	8.7	11.9	6.4	8.4	17.0	10.6	8.2	14.1	36.1	12.2	47.6	65.2	19.1	25.7	11.4	35.1	11.4	9.0	6.5	11.6	7.8	8.4	5.5	7.5				
hr min	0.7	1.1	0.7	0.7	1.1	1.0	1.3	1.2	1.1	1.0	2.0	2.0	1.9	2.1	1.8	2.7	2.0	1.2	1.0	0.7	0.8	0.8	1.0	1.0				
average	2.8	3.3	2.8	2.8	3.2	3.2	3.1	3.5	4.4	4.3	6.4	7.1	6.2	6.9	6.2	6.5	5.0	4.0	3.3	3.4	2.9	2.8	2.6	2.8				

monthly max hr	monthly min hr	monthly ave hr
65.2	0.7	4.2
1/9/08	1/8/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
mps
10VWS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	0.83	0.69	0.67	0.76	1.03	0.94	0.75	0.78	0.74	0.88	0.72	0.81	0.75	0.63	0.63	0.56	0.56	0.37	0.40	0.38	0.37	0.40	0.37	0.39	24	1.03	0.37	0.64
1/2/08	0.29	0.18	0.15	0.14	0.15	0.14	0.12	0.11	0.11	0.11	0.09	0.15	0.14	0.18	0.22	0.38	0.36	0.36	0.34	0.34	0.35	0.47	0.45	0.48	24	0.48	0.09	0.24
1/3/08	0.41	0.34	0.31	0.36	0.30	0.29	0.23	0.20	0.20	0.17	0.19	0.27	0.22	0.24	0.31	0.26	0.19	0.16	0.13	0.17	0.12	0.17	0.17	0.17	24	0.41	0.12	0.23
1/4/08	0.13	0.11	0.16	0.17	0.18	0.16	0.15	0.18	0.13	0.14	0.13	0.20	0.46	0.35	0.42	0.31	0.21	0.16	0.15	0.20	0.21	0.18	0.15	0.12	24	0.46	0.11	0.20
1/5/08	0.13	0.17	0.18	0.16	0.16	0.15	0.18	0.20	0.22	0.23	0.23	0.20	0.22	0.26	0.21	0.17	0.17	0.16	0.18	0.17	0.20	0.29	0.19	0.16	24	0.29	0.13	0.19
1/6/08	0.21	0.29	0.46	0.48	0.42	0.44	0.35	0.33	0.31	0.39	0.25	0.23	0.24	0.23	0.24	0.16	0.12	0.13	0.11	0.14	0.14	0.14	0.15	0.18	24	0.48	0.11	0.26
1/7/08	0.22	0.24	0.16	0.17	0.17	0.13	0.13	0.13	0.14	0.14	0.27	0.36	0.44	0.48	0.52	0.51	0.38	0.35	0.44	0.51	0.43	0.46	0.45	0.36	24	0.52	0.13	0.32
1/8/08	0.36	0.37	0.38	0.34	0.28	0.32	0.27	0.27	0.31	0.24	0.22	0.24	0.27	0.26	0.19	0.19	0.14	0.12	0.10	0.16	0.16	0.23	0.27	0.26	24	0.38	0.10	0.25
1/9/08	0.27	0.25	0.26	0.21	0.15	0.15	0.15	0.16	0.18	0.16	0.20	0.15	0.18	0.25	0.20	0.30	0.29	0.28	0.13	0.12	0.12	0.13	0.17	0.19	24	0.30	0.12	0.19
1/10/08	0.37	0.47	0.48	0.53	0.52	0.52	0.42	0.44	0.48	0.44	0.50	0.44	0.44	0.47	0.46	0.38	0.30	0.14	0.12	0.13	0.12	0.14	0.12	0.17	24	0.53	0.12	0.36
1/11/08	0.14	0.16	0.18	0.18	0.19	0.19	0.17	0.15	0.17	0.16	0.26	0.54	0.77	0.68	0.57	0.45	0.39	0.22	0.26	0.40	0.46	0.44	0.40	0.38	24	0.77	0.14	0.33
1/12/08	0.36	0.41	0.40	0.34	0.34	0.38	0.40	0.38	0.38	0.39	0.28	0.34	0.32	0.26	0.21	0.28	0.26	0.16	0.15	0.12	0.14	0.14	0.14	0.13	24	0.41	0.12	0.28
1/13/08	0.13	0.17	0.15	0.17	0.17	0.19	0.23	0.19	0.33	0.46	0.60	0.54	0.45	0.53	0.52	0.45	0.41	0.37	0.36	0.38	0.35	0.27	0.20	0.13	24	0.60	0.13	0.32
1/14/08	0.20	0.24	0.23	0.26	0.29	0.37	0.32	0.20	0.21	0.20	0.15	0.17	0.18	0.14	0.15	0.15	0.11	0.15	0.15	0.17	0.20	0.27	0.25	0.22	24	0.37	0.11	0.21
1/15/08	0.20	0.23	0.25	0.21	0.29	0.35	0.31	0.31	0.28	0.36	0.39	0.35	0.27	0.17	0.17	0.16	0.20	0.17	0.13	0.27	0.81	1.12	1.23	0.83	24	1.23	0.13	0.38
1/16/08	0.92	1.11	1.06	1.00	1.13	1.02	0.95	1.06	1.03	1.14	1.02	0.92	0.92	0.89	0.86	0.74	0.69	0.52	0.34	0.43	0.39	0.29	0.22	0.31	24	1.14	0.22	0.79
1/17/08	0.36	0.33	0.17	0.14	0.19	0.13	0.15	0.14	0.16	0.18	0.23	0.21	0.24	0.35	0.33	0.39	0.35	0.29	0.17	0.22	0.33	0.56	0.63	0.81	24	0.81	0.13	0.29
1/18/08	0.80	0.94	0.79	0.89	0.74	0.59	0.76	0.71	0.59	0.85	0.78	0.73	0.72	0.76	0.77	0.81	0.73	0.56	0.56	0.37	0.37	0.42	0.50	0.43	24	0.94	0.37	0.67
1/19/08	0.39	0.35	0.21	0.17	0.13	0.14	0.14	0.23	0.25	0.32	0.39	0.41	0.42	0.36	0.48	0.34	0.33	0.16	0.12	0.12	0.13	0.15	0.20	0.09	24	0.48	0.09	0.25
1/20/08	0.12	0.12	0.11	0.12	0.13	0.12	0.11	0.12	0.12	0.15	0.18	0.26	0.23	0.20	0.18	0.21	0.22	0.21	0.19	0.20	0.21	0.15	0.18	0.16	24	0.26	0.11	0.17
1/21/08	0.16	0.16	0.13	0.11	0.14	0.15	0.15	0.15	0.17	0.26	0.38	0.38	0.30	0.32	0.34	0.37	0.28	0.26	0.29	0.32	0.26	0.36	0.30	0.21	24	0.38	0.11	0.25
1/22/08	0.18	0.16	0.36	0.55	0.38	0.28	0.27	0.31	0.41	0.37	0.49	0.72	0.70	0.58	0.51	0.50	0.46	0.31	0.27	0.16	0.14	0.15	0.15	0.16	24	0.72	0.14	0.36
1/23/08	0.16	0.20	0.27	0.38	0.47	0.52	0.50	0.33	0.33	0.35	0.41	0.50	0.58	0.58	0.48	0.46	0.38	0.33	0.29	0.19	0.32	0.20	0.19	0.24	24	0.58	0.16	0.36
1/24/08	0.22	0.17	0.15	0.13	0.13	0.17	0.16	0.19	0.24	0.27	0.28	0.21	0.17	0.22	0.26	0.30	0.23	0.16	0.19	0.25	0.23	0.24	0.18	0.19	24	0.30	0.13	0.21
1/25/08	0.22	0.23	0.24	0.22	0.22	0.14	0.17	0.14	0.20	0.17	0.21	0.14	0.39	0.50	0.46	0.40	0.27	0.30	0.30	0.32	0.27	0.20	0.16	0.20	24	0.50	0.14	0.25
1/26/08	0.22	0.23	0.28	0.21	0.23	0.18	0.17	0.18	0.29	0.28	0.46	0.48	0.51	0.55	0.47	0.44	0.40	0.36	0.27	0.25	0.21	0.18	0.21	0.16	24	0.55	0.16	0.30
1/27/08	0.20	0.12	0.12	0.12	0.12	0.12	0.17	0.16	0.17	0.20	0.16	0.15	0.16	0.15	0.19	0.15	0.17	0.14	0.14	0.14	0.19	0.12	0.16	0.21	24	0.21	0.12	0.16
1/28/08	0.20	0.21	0.21	0.20	0.21	0.23	0.31	0.35	0.28	0.17	0.17	0.18	0.16	0.17	0.20	0.30	1.18	1.54	1.91	1.78	1.52	1.67	1.57	1.38	24	1.91	0.16	0.67
1/29/08	1.28	1.24	1.22	1.21	1.27	1.17	1.29	1.18	1.10	1.09	1.01	1.07	0.96	0.90	0.91	0.96	0.77	0.67	0.48	0.52	0.50	0.47	0.37	0.48	24	1.29	0.37	0.92
1/30/08	0.55	0.44	0.50	0.41	0.40	0.31	0.23	0.17	0.15	0.20	0.13	0.17	0.14	0.14	0.16	0.21	0.15	0.22	0.18	0.15	0.16	0.15	0.17	0.14	24	0.55	0.13	0.23
1/31/08	0.12	0.14	0.11	0.12	0.13	0.13	0.14	0.15	0.10	0.12	0.22	0.30	0.28	0.19	0.21	0.22	0.31	0.35	0.33	0.29	0.28	0.25	0.28	0.30	24	0.35	0.10	0.21
hr max	1.28	1.24	1.22	1.21	1.27	1.17	1.29	1.18	1.10	1.14	1.02	1.07	0.96	0.90	0.91	0.96	1.18	1.54	1.91	1.78	1.52	1.67	1.57	1.38				
hr min	0.12	0.11	0.11	0.11	0.12	0.12	0.11	0.11	0.10	0.11	0.09	0.14	0.14	0.14	0.15	0.15	0.11	0.12	0.10	0.12	0.12	0.12	0.12	0.09				
average	0.33	0.34	0.33	0.34	0.34	0.33	0.32	0.31	0.32	0.34	0.35	0.38	0.39	0.39	0.38	0.37	0.36	0.31	0.30	0.30	0.31	0.34	0.33	0.31				

monthly	monthly	monthly
max hr	min hr	ave hr
1.91	0.09	0.34
1/28/08	1/2/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
mps
50VWS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	0.03	0.03	0.03	0.03	0.04	0.03	0.02	0.03	0.03	0.03	0.02	0.02	0.04	0.07	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	24	0.07	0.02	0.03
1/2/08	0.02	0.02	0.03	0.04	0.02	-0.02	0.01	0.03	0.02	0.02	0.03	0.05	0.09	0.08	0.07	0.07	0.06	0.05	0.05	0.06	0.06	0.08	0.07	0.09	24	0.09	-0.02	0.05
1/3/08	0.05	0.04	0.04	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.05	0.02	0.03	-0.01	0.11	0.12	0.06	0.04	0.02	0.01	0.00	0.02	0.02	0.02	24	0.12	-0.01	0.03
1/4/08	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.10	0.03	0.01	0.05	0.05	0.04	0.03	0.03	0.02	0.04	0.04	0.01	0.01	0.01	0.01	0.01	0.02	24	0.10	0.01	0.03
1/5/08	0.04	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.05	0.03	0.02	0.02	0.01	24	0.05	0.01	0.03
1/6/08	0.01	-0.08	0.12	0.04	0.07	0.08	0.02	0.02	0.02	0.03	0.02	-0.02	0.03	0.03	0.04	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.03	24	0.12	-0.08	0.03
1/7/08	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.00	0.03	0.12	0.06	0.03	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03	24	0.12	0.00	0.03
1/8/08	0.02	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.06	0.05	0.06	0.11	0.12	0.02	0.09	-0.01	0.04	0.04	0.04	-0.01	0.00	-0.06	-0.01	24	0.12	-0.06	0.03
1/9/08	-0.08	-0.03	0.06	0.05	0.06	-0.02	-0.04	-0.05	-0.03	-0.01	0.11	0.15	0.02	0.15	0.07	0.03	0.02	0.00	0.03	0.05	0.01	0.02	0.03	0.02	24	0.15	-0.08	0.03
1/10/08	0.02	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.06	0.07	0.06	0.12	0.06	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	24	0.12	0.02	0.04
1/11/08	0.02	0.03	0.03	0.02	0.02	0.03	0.03	0.00	0.02	-0.01	-0.02	0.03	0.03	0.05	0.05	0.01	0.06	0.07	0.04	0.11	0.08	0.08	0.04	0.01	24	0.11	-0.02	0.03
1/12/08	-0.01	0.00	0.04	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.03	0.11	0.11	0.08	0.11	0.09	0.02	0.02	0.02	0.03	-0.01	0.03	0.02	0.02	24	0.11	-0.01	0.04
1/13/08	0.02	0.00	0.01	0.01	-0.03	-0.02	0.11	0.04	0.02	0.02	0.03	0.03	0.03	0.03	0.06	0.02	0.00	0.07	0.01	-0.02	0.01	0.04	0.02	0.03	24	0.11	-0.03	0.02
1/14/08	0.01	0.03	0.00	-0.08	-0.04	-0.02	-0.03	0.08	0.08	0.05	0.04	0.02	0.01	0.11	0.23	0.10	0.09	0.02	0.02	0.03	0.07	0.06	0.08	0.11	24	0.23	-0.08	0.04
1/15/08	0.13	0.04	0.08	0.11	0.16	0.11	0.19	0.16	0.13	0.12	0.07	0.10	0.14	0.10	0.07	0.01	0.00	0.01	0.02	0.09	0.03	0.04	0.03	0.03	24	0.19	0.00	0.08
1/16/08	0.04	0.03	0.04	0.04	0.04	0.03	0.04	0.03	0.03	0.02	0.08	0.07	0.05	0.07	0.07	0.06	0.04	0.02	0.02	0.03	0.02	0.03	0.02	0.02	24	0.08	0.02	0.04
1/17/08	0.02	0.02	0.02	0.02	0.04	0.03	0.01	-0.03	0.01	0.01	0.01	0.02	0.06	0.14	0.10	0.12	0.11	0.06	0.04	0.03	0.03	0.02	-0.04	-0.07	24	0.14	-0.07	0.03
1/18/08	-0.02	0.02	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.05	0.03	0.04	0.07	0.09	0.11	0.04	0.02	0.03	0.02	0.03	0.03	0.02	0.03	0.02	24	0.11	-0.02	0.03
1/19/08	0.02	0.02	0.04	0.03	0.03	0.03	0.02	0.04	0.04	0.08	0.12	0.14	0.21	0.15	0.11	0.16	0.03	0.02	0.02	0.02	0.05	0.02	0.02	0.01	24	0.21	0.01	0.06
1/20/08	0.02	0.03	0.08	0.04	0.05	0.03	0.02	0.02	0.02	0.01	0.11	0.26	0.21	0.05	0.03	0.10	0.06	0.01	0.04	0.01	0.03	0.03	0.07	0.06	24	0.26	0.01	0.06
1/21/08	0.07	0.08	0.07	0.01	0.05	0.03	0.07	0.10	0.02	0.08	0.16	0.26	0.15	0.30	0.07	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.09	24	0.30	0.01	0.08
1/22/08	0.05	0.02	0.13	0.12	-0.05	-0.12	-0.13	-0.03	0.05	0.18	0.14	0.04	0.08	0.11	0.09	0.05	0.10	0.09	0.11	0.00	-0.01	0.02	0.05	0.09	24	0.18	-0.13	0.05
1/23/08	0.04	0.04	0.04	0.08	0.07	0.17	0.10	0.04	0.00	-0.01	0.02	0.02	0.02	0.05	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	24	0.17	-0.01	0.04
1/24/08	0.03	0.01	-0.04	-0.08	0.00	0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.05	0.12	0.14	0.12	0.04	0.03	0.03	0.04	0.02	0.03	0.02	0.02	24	0.14	-0.08	0.03
1/25/08	0.01	0.02	0.03	0.02	0.03	0.02	0.02	0.04	0.03	0.03	0.05	0.01	0.02	0.04	0.02	0.03	0.04	0.02	0.03	0.02	0.02	0.04	0.05	0.05	24	0.05	0.01	0.03
1/26/08	0.04	0.19	0.03	0.08	0.05	0.14	0.10	0.16	0.12	0.13	0.15	0.11	0.04	0.08	0.08	0.07	0.07	0.08	0.20	0.05	0.03	0.02	0.02	0.02	24	0.20	0.02	0.09
1/27/08	0.02	0.00	0.01	0.02	0.02	0.02	0.03	0.02	0.03	0.04	0.02	0.03	0.04	0.02	0.03	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.04	24	0.04	0.00	0.02
1/28/08	0.02	0.02	0.02	0.02	0.02	-0.02	0.03	0.16	0.04	0.02	0.02	0.02	0.02	0.02	0.00	0.04	0.06	0.04	0.04	0.04	0.09	0.05	0.06	0.07	24	0.16	-0.02	0.04
1/29/08	0.06	0.06	0.05	0.04	0.03	0.05	0.05	0.04	0.11	0.05	0.12	0.11	0.08	0.12	0.12	0.09	0.08	0.03	0.02	0.03	0.03	0.02	0.02	0.03	24	0.12	0.02	0.06
1/30/08	0.03	0.02	0.03	0.01	0.02	0.07	0.10	0.10	0.12	0.20	0.17	0.28	0.23	0.39	0.26	0.21	0.10	0.02	0.03	-0.02	-0.06	-0.03	0.01	0.05	24	0.39	-0.06	0.10
1/31/08	0.07	0.06	0.03	0.02	0.04	0.03	0.03	0.04	0.04	0.07	0.06	0.10	0.10	0.13	0.08	0.06	0.06	0.05	0.06	0.05	0.03	0.03	0.03	0.03	24	0.13	0.02	0.05
hr max	0.13	0.19	0.13	0.12	0.16	0.17	0.19	0.16	0.13	0.20	0.17	0.28	0.23	0.39	0.26	0.21	0.11	0.09	0.20	0.11	0.09	0.08	0.08	0.11				
hr min	-0.08	-0.08	-0.04	-0.08	-0.05	-0.12	-0.13	-0.05	-0.03	-0.01	-0.02	-0.02	0.01	-0.01	0.00	0.01	-0.01	0.00	0.01	-0.02	-0.06	-0.03	-0.06	-0.07				
average	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.06	0.08	0.07	0.09	0.08	0.06	0.04	0.03	0.04	0.03	0.02	0.03	0.03	0.03				

monthly	monthly	monthly
max hr	min hr	ave hr
0.39	-0.13	0.04
1/30/08	1/22/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
mps
100VWS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	1.37	1.36	1.21	1.21	1.69	1.58	1.20	1.33	1.31	1.30	0.82	0.91	0.77	0.67	0.75	0.68	0.68	0.72	1.07	0.86	0.85	1.04	0.95	0.90	24	1.69	0.67	1.05
1/2/08	0.88	0.70	0.61	0.95	0.87	0.82	0.64	0.48	0.49	0.21	0.30	0.72	-0.02	-0.58	-0.47	0.42	0.64	0.70	0.64	0.25	-0.96	0.04	0.48	1.47	24	1.47	-0.96	0.43
1/3/08	1.50	1.48	1.62	1.69	1.61	1.35	1.10	0.95	0.74	0.70	0.36	0.46	0.24	0.08	0.29	0.16	0.11	0.05	0.04	0.04	0.05	-0.01	0.23	-0.08	24	1.69	-0.08	0.62
1/4/08	-0.18	-0.02	0.23	-0.01	0.20	0.10	-0.72	0.27	0.60	0.55	0.34	0.45	0.78	0.81	0.76	0.56	0.45	0.47	0.44	0.56	0.53	0.58	0.58	0.53	24	0.81	-0.72	0.37
1/5/08	0.71	0.90	0.93	1.34	1.73	1.66	1.58	1.35	1.29	1.45	1.36	1.30	1.06	0.93	0.88	0.94	1.02	1.16	0.89	0.68	0.91	0.89	0.74	0.49	24	1.73	0.49	1.09
1/6/08	0.87	1.25	1.63	1.37	1.08	1.35	1.24	1.26	1.00	0.96	0.67	0.68	0.75	0.61	0.59	0.46	0.33	0.18	0.22	-0.62	-0.52	-1.30	-1.34	-1.23	24	1.63	-1.34	0.48
1/7/08	-1.32	-0.96	1.14	0.98	1.03	1.07	0.81	0.68	0.54	0.47	0.41	0.46	0.49	0.56	0.62	0.74	0.77	0.92	1.14	1.29	1.07	1.17	1.30	1.14	24	1.30	-1.32	0.69
1/8/08	1.25	1.08	1.14	1.17	1.13	1.12	0.88	0.69	0.49	0.57	0.15	0.16	0.27	0.25	0.06	0.17	0.04	0.00	-0.05	0.00	0.00	0.02	0.02	0.14	24	1.25	-0.05	0.45
1/9/08	0.55	0.73	0.66	0.56	0.45	0.50	0.41	0.58	0.46	0.22	0.05	0.09	0.03	0.24	0.13	0.33	0.58	0.53	0.19	0.12	0.19	0.38	0.58	0.71	24	0.73	0.03	0.39
1/10/08	1.01	1.35	1.27	1.24	1.33	1.26	1.05	1.22	1.19	0.82	0.56	0.43	0.48	0.72	0.56	0.44	0.55	0.23	0.23	0.19	0.13	0.03	0.03	-0.42	24	1.35	-0.42	0.66
1/11/08	0.49	0.65	1.19	1.23	0.93	0.80	0.71	0.80	0.89	0.55	0.65	0.67	0.94	0.88	0.70	0.65	0.69	0.30	0.16	0.53	0.67	0.56	0.53	0.57	24	1.23	0.16	0.70
1/12/08	0.48	0.52	0.52	0.60	0.47	0.44	0.48	0.48	0.51	0.40	0.24	0.40	0.36	0.23	0.09	0.23	0.23	0.31	0.26	0.11	0.28	0.33	0.40	0.49	24	0.60	0.09	0.37
1/13/08	0.69	0.76	0.81	0.92	0.78	0.94	0.99	0.59	0.98	0.88	0.76	0.78	0.54	0.76	0.55	0.74	0.45	0.59	0.47	0.48	0.47	0.61	0.38	0.26	24	0.99	0.26	0.67
1/14/08	0.22	0.11	0.20	0.44	0.57	0.57	0.28	0.22	0.21	0.18	0.04	0.05	0.19	0.00	-0.01	0.09	0.05	0.12	0.45	0.68	0.18	0.36	0.05	-0.06	24	0.68	-0.06	0.22
1/15/08	0.03	0.07	0.11	-0.03	0.02	-0.12	-0.03	0.01	-0.02	-0.02	-0.02	0.03	-0.01	-0.02	0.10	0.01	0.01	-0.01	-0.02	0.13	1.15	1.83	1.91	1.42	24	1.91	-0.12	0.27
1/16/08	1.50	1.77	1.62	1.54	1.76	1.58	1.52	1.67	1.55	1.72	1.64	1.31	1.30	1.33	1.28	0.86	0.94	1.04	1.10	1.30	1.17	0.97	0.94	0.83	24	1.77	0.83	1.34
1/17/08	0.91	0.93	0.66	0.68	0.53	0.57	0.73	0.87	1.07	0.95	0.74	0.43	0.29	0.47	0.29	0.50	0.67	0.47	0.47	0.65	0.78	0.98	1.13	1.43	24	1.43	0.29	0.72
1/18/08	1.34	1.55	1.29	1.19	1.12	0.93	1.23	1.02	0.88	1.27	1.04	0.84	0.82	1.13	1.10	0.91	0.88	1.05	1.15	1.08	0.80	0.84	1.05	1.07	24	1.55	0.80	1.07
1/19/08	1.09	0.66	0.64	0.63	0.64	0.81	0.71	0.80	0.69	0.61	0.57	0.53	0.40	0.54	0.53	0.44	0.43	0.42	0.25	0.15	0.20	0.17	0.25	0.16	24	1.09	0.15	0.51
1/20/08	0.09	0.06	0.10	0.01	0.02	0.02	0.02	0.00	-0.01	0.11	0.20	0.13	0.00	-0.07	-0.14	0.05	0.02	0.10	0.12	0.05	0.07	0.04	0.05	0.02	24	0.20	-0.14	0.04
1/21/08	0.00	0.01	0.00	-0.01	0.01	0.07	0.08	0.11	0.45	0.38	0.45	0.33	0.21	0.43	0.52	0.50	0.36	0.50	0.60	0.97	0.98	1.14	1.10	0.84	24	1.14	-0.01	0.42
1/22/08	0.78	1.05	1.60	1.75	1.33	1.12	1.37	1.40	1.56	1.30	1.05	0.90	0.82	0.92	0.73	0.69	0.71	0.55	0.75	0.50	0.64	0.66	0.66	0.59	24	1.75	0.50	0.98
1/23/08	0.57	0.12	0.11	0.36	0.75	0.82	0.85	0.61	0.57	0.50	0.60	0.68	0.74	0.68	0.67	0.60	0.63	0.66	0.77	1.06	0.82	0.70	0.75	0.63	24	1.06	0.11	0.64
1/24/08	0.57	0.69	0.92	0.80	0.57	0.64	0.54	0.50	0.69	0.91	0.94	0.17	-0.56	-0.11	0.12	0.28	0.14	0.15	0.08	-0.67	-1.56	0.57	1.43	1.21	24	1.43	-1.56	0.38
1/25/08	0.75	-0.79	-1.43	-1.06	0.20	1.14	1.16	0.58	0.13	0.01	0.02	0.08	0.33	0.48	0.34	0.50	0.53	0.66	0.82	0.78	0.85	0.75	0.77	0.92	24	1.16	-1.43	0.36
1/26/08	1.10	1.27	1.40	1.34	1.23	1.18	1.19	1.28	1.42	1.39	1.38	1.09	1.07	0.87	0.92	0.96	1.08	1.20	1.26	1.23	1.30	1.19	1.23	1.03	24	1.42	0.87	1.19
1/27/08	1.20	1.15	0.92	0.69	0.59	0.78	0.73	0.76	1.00	1.03	0.76	0.74	0.58	0.56	0.56	0.48	0.63	0.82	0.79	0.88	1.24	1.19	1.29	1.50	24	1.50	0.48	0.87
1/28/08	1.47	1.48	1.55	1.50	1.57	1.67	1.72	1.51	1.16	0.74	0.98	1.26	0.98	1.06	1.07	0.95	1.89	2.21	2.71	2.86	2.32	2.49	2.44	2.08	24	2.86	0.74	1.65
1/29/08	2.09	1.93	1.80	1.79	1.78	1.78	1.94	1.69	1.76	1.64	1.50	1.55	1.22	1.32	1.38	1.26	1.23	1.14	1.01	1.13	0.90	0.82	0.70	0.88	24	2.09	0.70	1.43
1/30/08	0.86	0.68	0.64	0.60	0.53	0.28	0.18	0.13	0.00	0.03	0.05	0.07	0.03	0.30	0.12	-0.06	0.02	-0.01	0.03	0.00	0.01	0.05	-0.09	0.00	24	0.86	-0.09	0.19
1/31/08	0.01	0.03	-0.28	-1.63	-1.09	-0.11	-0.24	-0.10	-1.00	0.42	0.64	0.61	0.10	-0.70	-0.60	-0.23	0.44	0.77	0.85	0.71	0.65	-0.09	0.61	0.43	24	0.85	-1.63	0.01
hr max	2.09	1.93	1.80	1.79	1.78	1.78	1.94	1.69	1.76	1.72	1.64	1.55	1.30	1.33	1.38	1.26	1.89	2.21	2.71	2.86	2.32	2.49	2.44	2.08				
hr min	-1.32	-0.96	-1.43	-1.63	-1.09	-0.12	-0.72	-0.10	-1.00	-0.02	-0.02	0.03	-0.56	-0.70	-0.60	-0.23	0.01	-0.01	-0.05	-0.67	-1.56	-1.30	-1.34	-1.23				
average	0.74	0.73	0.80	0.77	0.82	0.86	0.79	0.77	0.73	0.72	0.62	0.59	0.49	0.50	0.47	0.49	0.55	0.58	0.61	0.58	0.52	0.61	0.68	0.64				

monthly max hr	monthly min hr	monthly ave hr
2.86	-1.63	0.65
1/28/08	1/31/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
Deg
10SW

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	0.43	0.39	0.44	0.48	0.58	0.50	0.41	0.47	0.41	0.44	0.40	0.39	0.38	0.38	0.34	0.33	0.33	0.11	0.14	0.11	0.12	0.14	0.13	0.16	24	0.58	0.11	0.33
1/2/08	0.17	0.13	0.13	0.12	0.13	0.09	0.12	0.11	0.12	0.23	0.28	0.36	0.39	0.46	0.52	0.58	0.60	0.58	0.59	0.63	0.71	0.74	0.70	0.74	24	0.74	0.09	0.38
1/3/08	0.63	0.54	0.48	0.49	0.46	0.40	0.30	0.23	0.16	0.19	0.18	0.19	0.25	0.23	0.28	0.24	0.12	0.09	0.10	0.10	0.10	0.15	0.15	0.14	24	0.63	0.09	0.26
1/4/08	0.14	0.10	0.11	0.12	0.20	0.22	0.21	0.24	0.10	0.08	0.13	0.20	0.36	0.24	0.24	0.20	0.13	0.11	0.09	0.12	0.14	0.12	0.11	0.02	24	0.36	0.02	0.16
1/5/08	0.12	0.17	0.16	0.21	0.23	0.34	0.35	0.27	0.28	0.34	0.37	0.35	0.37	0.35	0.28	0.22	0.21	0.20	0.15	0.12	0.14	0.14	0.14	0.13	24	0.37	0.12	0.24
1/6/08	0.23	0.34	0.37	0.33	0.26	0.30	0.21	0.17	0.17	0.24	0.29	0.33	0.25	0.19	0.17	0.19	0.08	0.08	0.08	0.15	0.22	0.22	0.22	0.27	24	0.37	0.08	0.22
1/7/08	0.28	0.33	0.25	0.20	0.23	0.17	0.07	0.07	0.08	0.16	0.21	0.35	0.35	0.41	0.29	0.31	0.17	0.16	0.26	0.30	0.24	0.23	0.18	0.12	24	0.41	0.07	0.23
1/8/08	0.14	0.13	0.13	0.11	0.13	0.16	0.12	0.14	0.14	0.17	0.20	0.25	0.30	0.33	0.26	0.22	0.12	0.04	0.14	0.09	0.10	0.25	0.27	0.28	24	0.33	0.04	0.18
1/9/08	0.31	0.23	0.30	0.26	0.16	0.11	0.08	0.11	0.11	0.17	0.27	0.34	0.35	0.30	0.29	0.18	0.17	0.12	0.06	0.06	0.04	0.06	0.10	0.11	24	0.35	0.04	0.18
1/10/08	0.21	0.26	0.25	0.21	0.28	0.28	0.26	0.26	0.31	0.34	0.32	0.34	0.39	0.39	0.36	0.31	0.19	0.08	0.06	0.08	0.05	0.12	0.10	0.25	24	0.39	0.05	0.24
1/11/08	0.26	0.29	0.30	0.28	0.27	0.28	0.25	0.21	0.21	0.20	0.34	0.41	0.45	0.40	0.37	0.32	0.36	0.25	0.22	0.34	0.41	0.34	0.32	0.31	24	0.45	0.20	0.31
1/12/08	0.28	0.28	0.26	0.21	0.22	0.23	0.24	0.22	0.23	0.26	0.25	0.31	0.31	0.30	0.27	0.28	0.23	0.08	0.09	0.06	0.08	0.13	0.13	0.17	24	0.31	0.06	0.21
1/13/08	0.19	0.25	0.27	0.29	0.27	0.30	0.27	0.25	0.18	0.29	0.36	0.43	0.43	0.42	0.42	0.39	0.33	0.28	0.28	0.27	0.28	0.26	0.15	0.08	24	0.43	0.08	0.29
1/14/08	0.10	0.11	0.13	0.14	0.23	0.31	0.28	0.16	0.15	0.14	0.20	0.21	0.31	0.34	0.34	0.32	0.29	0.23	0.18	0.30	0.37	0.38	0.36	0.34	24	0.38	0.10	0.25
1/15/08	0.29	0.30	0.27	0.27	0.28	0.28	0.30	0.27	0.23	0.20	0.23	0.23	0.20	0.16	0.17	0.14	0.15	0.12	0.07	0.23	0.47	0.61	0.59	0.47	24	0.61	0.07	0.27
1/16/08	0.52	0.57	0.54	0.55	0.58	0.53	0.52	0.56	0.58	0.57	0.57	0.48	0.50	0.49	0.45	0.42	0.36	0.26	0.16	0.21	0.20	0.12	0.13	0.16	24	0.58	0.12	0.42
1/17/08	0.15	0.14	0.13	0.14	0.14	0.14	0.23	0.26	0.27	0.37	0.45	0.45	0.40	0.43	0.37	0.36	0.29	0.21	0.14	0.19	0.20	0.38	0.43	0.59	24	0.59	0.13	0.29
1/18/08	0.51	0.52	0.43	0.43	0.36	0.30	0.38	0.42	0.38	0.46	0.46	0.44	0.42	0.44	0.46	0.43	0.42	0.34	0.30	0.26	0.17	0.22	0.26	0.26	24	0.52	0.17	0.38
1/19/08	0.23	0.16	0.14	0.13	0.10	0.13	0.13	0.19	0.23	0.32	0.36	0.39	0.42	0.41	0.38	0.32	0.23	0.11	0.08	0.06	0.11	0.14	0.10	0.14	24	0.42	0.06	0.21
1/20/08	0.08	0.07	0.02	0.03	0.06	0.05	0.05	0.16	0.05	0.20	0.33	0.40	0.39	0.39	0.31	0.33	0.30	0.24	0.23	0.23	0.24	0.22	0.20	0.18	24	0.40	0.02	0.20
1/21/08	0.19	0.16	0.10	0.09	0.11	0.09	0.09	0.09	0.11	0.30	0.40	0.42	0.39	0.41	0.34	0.25	0.14	0.13	0.15	0.19	0.16	0.25	0.20	0.19	24	0.42	0.09	0.21
1/22/08	0.23	0.23	0.44	0.51	0.52	0.47	0.43	0.47	0.46	0.42	0.46	0.48	0.42	0.44	0.38	0.33	0.34	0.22	0.19	0.10	0.08	0.11	0.11	0.11	24	0.52	0.08	0.33
1/23/08	0.11	0.23	0.34	0.45	0.51	0.47	0.42	0.25	0.22	0.27	0.26	0.29	0.31	0.32	0.30	0.26	0.18	0.12	0.13	0.13	0.14	0.12	0.13	0.16	24	0.51	0.11	0.26
1/24/08	0.16	0.14	0.12	0.12	0.07	0.10	0.11	0.12	0.18	0.22	0.26	0.37	0.42	0.45	0.42	0.42	0.33	0.19	0.22	0.25	0.29	0.34	0.31	0.29	24	0.45	0.07	0.25
1/25/08	0.24	0.17	0.25	0.33	0.31	0.24	0.14	0.13	0.16	0.28	0.32	0.23	0.29	0.28	0.28	0.22	0.20	0.16	0.18	0.15	0.17	0.13	0.09	0.14	24	0.33	0.09	0.21
1/26/08	0.22	0.22	0.20	0.17	0.20	0.16	0.17	0.20	0.26	0.29	0.35	0.36	0.35	0.35	0.35	0.30	0.25	0.21	0.19	0.17	0.17	0.13	0.16	0.11	24	0.36	0.11	0.23
1/27/08	0.16	0.12	0.11	0.11	0.17	0.18	0.26	0.20	0.24	0.34	0.31	0.35	0.37	0.39	0.30	0.24	0.26	0.18	0.14	0.19	0.22	0.18	0.24	0.39	24	0.39	0.11	0.24
1/28/08	0.33	0.38	0.36	0.30	0.28	0.29	0.27	0.22	0.18	0.22	0.26	0.32	0.23	0.23	0.30	0.26	0.57	0.60	0.73	0.74	0.70	0.68	0.72	0.61	24	0.74	0.18	0.41
1/29/08	0.65	0.62	0.57	0.59	0.60	0.58	0.65	0.66	0.68	0.61	0.60	0.60	0.58	0.60	0.57	0.54	0.48	0.41	0.31	0.36	0.31	0.27	0.23	0.29	24	0.68	0.23	0.52
1/30/08	0.33	0.24	0.26	0.26	0.29	0.24	0.23	0.23	0.25	0.33	0.37	0.40	0.44	0.43	0.42	0.42	0.32	0.35	0.28	0.26	0.23	0.17	0.22	0.21	24	0.44	0.17	0.30
1/31/08	0.23	0.31	0.33	0.34	0.30	0.24	0.38	0.46	0.49	0.50	0.51	0.58	0.56	0.51	0.51	0.48	0.47	0.45	0.53	0.49	0.47	0.51	0.47	0.45	24	0.58	0.23	0.44
hr max	0.65	0.62	0.57	0.59	0.60	0.58	0.65	0.66	0.68	0.61	0.60	0.60	0.58	0.60	0.57	0.58	0.60	0.60	0.73	0.74	0.71	0.74	0.72	0.74				
hr min	0.08	0.07	0.02	0.03	0.06	0.05	0.05	0.07	0.05	0.08	0.13	0.19	0.20	0.16	0.17	0.14	0.08	0.04	0.06	0.06	0.04	0.06	0.09	0.02				
average	0.26	0.26	0.26	0.27	0.28	0.26	0.26	0.25	0.25	0.30	0.33	0.36	0.37	0.37	0.35	0.32	0.28	0.22	0.21	0.22	0.24	0.25	0.25	0.25				

monthly max hr	monthly min hr	monthly ave hr
0.74	0.02	0.28
1/2/08	1/4/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
Deg
50SW

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1/1/08	0.16	0.17	0.19	0.18	0.22	0.17	0.19	0.18	0.19	0.19	0.17	0.19	0.26	0.31	0.21	0.20	0.20	0.17	0.16	0.17	0.17	0.16	0.16	0.16
1/2/08	0.15	0.15	0.17	0.17	0.17	0.17	0.14	0.16	0.16	0.17	0.17	0.22	0.25	0.22	0.27	0.27	0.25	0.23	0.22	0.25	0.22	0.24	0.22	0.28
1/3/08	0.25	0.18	0.17	0.16	0.15	0.15	0.16	0.15	0.16	0.17	0.15	0.16	0.16	0.18	0.32	0.28	0.11	0.13	0.16	0.16	0.16	0.15	0.16	0.17
1/4/08	0.16	0.16	0.17	0.16	0.15	0.15	0.15	0.25	0.17	0.15	0.11	0.15	0.17	0.17	0.17	0.16	0.17	0.16	0.17	0.16	0.15	0.16	0.15	0.15
1/5/08	0.16	0.16	0.16	0.16	0.16	0.14	0.16	0.16	0.16	0.17	0.16	0.16	0.16	0.17	0.16	0.16	0.16	0.16	0.15	0.16	0.15	0.16	0.17	0.16
1/6/08	0.16	0.18	0.18	0.16	0.16	0.17	0.14	0.14	0.16	0.15	0.18	0.16	0.18	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.16	0.16
1/7/08	0.16	0.15	0.15	0.15	0.16	0.16	0.17	0.17	0.16	0.15	0.17	0.37	0.28	0.28	0.23	0.17	0.17	0.17	0.16	0.15	0.16	0.16	0.16	0.16
1/8/08	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.16	0.23	0.18	0.24	0.30	0.33	0.30	0.24	0.09	0.11	0.12	0.16	0.17	0.17	0.18	0.16
1/9/08	0.18	0.19	0.20	0.17	0.17	0.17	0.15	0.14	0.14	0.13	0.25	0.45	0.38	0.41	0.35	0.17	0.16	0.16	0.15	0.09	0.09	0.16	0.17	0.17
1/10/08	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.18	0.27	0.29	0.29	0.36	0.27	0.20	0.17	0.14	0.10	0.07	0.12	0.12	0.15	0.16
1/11/08	0.16	0.17	0.16	0.16	0.17	0.17	0.16	0.16	0.17	0.35	0.29	0.20	0.20	0.27	0.25	0.20	0.33	0.26	0.16	0.21	0.22	0.20	0.22	0.21
1/12/08	0.17	0.18	0.22	0.17	0.16	0.17	0.17	0.17	0.18	0.19	0.23	0.33	0.37	0.38	0.43	0.33	0.20	0.15	0.16	0.16	0.16	0.14	0.15	0.15
1/13/08	0.14	0.14	0.15	0.14	0.16	0.17	0.17	0.29	0.17	0.17	0.21	0.33	0.35	0.32	0.37	0.32	0.23	0.32	0.18	0.16	0.18	0.17	0.17	0.16
1/14/08	0.13	0.15	0.17	0.14	0.17	0.22	0.22	0.22	0.20	0.17	0.19	0.21	0.36	0.50	0.45	0.31	0.28	0.19	0.17	0.17	0.19	0.20	0.19	0.18
1/15/08	0.16	0.17	0.18	0.15	0.14	0.12	0.43	0.14	0.13	0.16	0.10	0.17	0.19	0.18	0.17	0.16	0.12	0.07	0.09	0.13	0.22	0.21	0.25	0.24
1/16/08	0.23	0.19	0.27	0.20	0.28	0.19	0.25	0.17	0.22	0.17	0.37	0.34	0.26	0.37	0.36	0.27	0.21	0.17	0.17	0.17	0.17	0.17	0.17	0.17
1/17/08	0.17	0.17	0.16	0.16	0.16	0.17	0.17	0.17	0.13	0.15	0.25	0.26	0.35	0.39	0.28	0.30	0.22	0.15	0.16	0.17	0.16	0.20	0.22	0.25
1/18/08	0.21	0.19	0.20	0.17	0.18	0.17	0.16	0.17	0.19	0.27	0.21	0.23	0.32	0.40	0.42	0.24	0.18	0.19	0.17	0.17	0.17	0.17	0.17	0.17
1/19/08	0.17	0.16	0.15	0.16	0.16	0.17	0.15	0.16	0.16	0.18	0.30	0.38	0.48	0.46	0.35	0.42	0.19	0.17	0.14	0.12	0.14	0.13	0.14	0.05
1/20/08	0.04	0.13	0.48	0.08	0.16	0.10	0.15	0.16	0.16	0.18	0.32	0.53	0.48	0.32	0.26	0.35	0.26	0.19	0.23	0.16	0.17	0.15	0.17	0.15
1/21/08	0.16	0.12	0.10	0.05	0.07	0.13	0.12	0.11	0.17	0.26	0.35	0.41	0.32	0.59	0.34	0.20	0.17	0.17	0.16	0.15	0.14	0.14	0.15	0.16
1/22/08	0.19	0.19	0.19	0.20	0.20	0.20	0.19	0.18	0.18	0.20	0.22	0.20	0.29	0.37	0.28	0.20	0.19	0.16	0.16	0.17	0.17	0.17	0.17	0.14
1/23/08	0.21	0.16	0.21	0.30	0.26	0.21	0.19	0.17	0.17	0.17	0.17	0.18	0.17	0.24	0.19	0.18	0.17	0.17	0.16	0.17	0.16	0.15	0.15	0.16
1/24/08	0.17	0.17	0.17	0.17	0.16	0.16	0.17	0.17	0.16	0.17	0.17	0.18	0.21	0.33	0.34	0.30	0.17	0.16	0.16	0.17	0.15	0.15	0.15	0.15
1/25/08	0.16	0.16	0.16	0.15	0.16	0.15	0.17	0.13	0.13	0.17	0.18	0.15	0.17	0.20	0.20	0.17	0.17	0.16	0.17	0.16	0.14	0.15	0.15	0.15
1/26/08	0.16	0.17	0.14	0.17	0.15	0.17	0.17	0.19	0.17	0.17	0.20	0.18	0.17	0.20	0.20	0.18	0.17	0.17	0.18	0.17	0.15	0.16	0.15	0.16
1/27/08	0.16	0.15	0.15	0.14	0.15	0.15	0.16	0.16	0.16	0.18	0.17	0.19	0.19	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.20
1/28/08	0.14	0.14	0.14	0.14	0.12	0.17	0.15	0.19	0.15	0.16	0.16	0.16	0.16	0.15	0.17	0.20	0.31	0.25	0.25	0.29	0.40	0.26	0.32	0.33
1/29/08	0.34	0.30	0.31	0.23	0.20	0.27	0.29	0.26	0.45	0.36	0.51	0.45	0.41	0.43	0.44	0.38	0.36	0.22	0.19	0.20	0.18	0.19	0.19	0.19
1/30/08	0.20	0.17	0.17	0.17	0.26	0.27	0.24	0.27	0.34	0.41	0.44	0.59	0.61	0.70	0.55	0.56	0.35	0.30	0.27	0.17	0.14	0.16	0.18	0.17
1/31/08	0.17	0.17	0.16	0.16	0.18	0.16	0.17	0.18	0.18	0.19	0.24	0.34	0.32	0.33	0.24	0.24	0.24	0.17	0.21	0.19	0.17	0.19	0.17	0.17
hr max	0.34	0.30	0.48	0.30	0.28	0.27	0.43	0.29	0.45	0.41	0.51	0.59	0.61	0.70	0.55	0.56	0.36	0.32	0.27	0.29	0.40	0.26	0.32	0.33
hr min	0.04	0.12	0.10	0.05	0.07	0.10	0.12	0.11	0.13	0.13	0.10	0.15	0.16	0.15	0.16	0.16	0.09	0.07	0.09	0.07	0.09	0.12	0.14	0.05
average	0.17	0.17	0.19	0.16	0.17	0.17	0.18	0.18	0.18	0.20	0.23	0.27	0.28	0.32	0.29	0.25	0.20	0.18	0.17	0.17	0.17	0.17	0.18	0.18

valid hr count	daily max hr	daily min hr	daily ave hr
24	0.31	0.16	0.19
24	0.28	0.14	0.21
24	0.32	0.11	0.17
24	0.25	0.11	0.16
24	0.17	0.14	0.16
24	0.18	0.14	0.16
24	0.37	0.15	0.18
24	0.33	0.09	0.19
24	0.45	0.09	0.20
24	0.36	0.07	0.18
24	0.35	0.16	0.21
24	0.43	0.14	0.21
24	0.37	0.14	0.22
24	0.50	0.13	0.22
24	0.43	0.07	0.17
24	0.37	0.17	0.23
24	0.39	0.13	0.21
24	0.42	0.16	0.21
24	0.48	0.05	0.21
24	0.53	0.04	0.22
24	0.59	0.05	0.20
24	0.37	0.14	0.20
24	0.30	0.15	0.19
24	0.34	0.15	0.19
24	0.20	0.13	0.16
24	0.20	0.14	0.17
24	0.20	0.14	0.16
24	0.40	0.12	0.20
24	0.51	0.18	0.31
24	0.70	0.14	0.32
24	0.34	0.16	0.21

monthly max hr	monthly min hr	monthly ave hr
0.70	0.04	0.20
1/30/08	1/20/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
Deg
100SW

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid hr count	daily max hr	daily min hr	daily ave hr
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1/1/08	0.59	0.51	0.63	0.93	0.85	0.67	0.68	0.64	0.50	0.57	0.73	0.78	0.80	0.76	0.64	0.47	0.47	0.19	0.08	0.09	0.10	0.06	0.06	0.06	24	0.93	0.06	0.49
1/2/08	0.08	0.19	0.23	0.10	0.11	0.09	0.10	0.09	0.16	0.17	0.26	0.27	0.75	0.69	0.80	0.43	0.33	0.33	0.41	0.81	1.39	1.50	1.44	1.21	24	1.50	0.08	0.50
1/3/08	0.78	0.62	0.28	0.17	0.16	0.11	0.11	0.08	0.13	0.19	0.24	0.24	0.32	0.22	0.36	0.36	0.17	0.12	0.12	0.10	0.09	0.07	0.17	0.37	24	0.78	0.07	0.23
1/4/08	0.55	0.39	0.61	0.37	0.29	0.32	0.67	0.56	0.19	0.19	0.17	0.23	0.41	0.31	0.32	0.32	0.18	0.13	0.12	0.10	0.08	0.14	0.10	0.09	24	0.67	0.08	0.29
1/5/08	0.13	0.10	0.10	0.29	0.16	0.17	0.37	0.28	0.22	0.24	0.21	0.18	0.28	0.14	0.10	0.11	0.15	0.15	0.27	0.15	0.12	0.13	0.13	0.15	24	0.37	0.10	0.18
1/6/08	0.16	0.21	0.28	0.32	0.10	0.22	0.17	0.13	0.09	0.11	0.37	0.26	0.30	0.14	0.14	0.21	0.10	0.13	0.37	0.49	0.61	0.57	0.34	0.48	24	0.61	0.09	0.26
1/7/08	0.44	0.71	0.33	0.20	0.20	0.22	0.08	0.15	0.10	0.16	0.24	0.52	0.56	0.61	0.51	0.40	0.17	0.18	0.11	0.10	0.27	0.25	0.12	0.06	24	0.71	0.06	0.28
1/8/08	0.07	0.07	0.08	0.07	0.11	0.18	0.10	0.10	0.13	0.21	0.30	0.39	0.52	0.53	0.47	0.37	0.14	0.09	0.12	0.00	0.00	0.06	0.07	0.27	24	0.53	0.00	0.19
1/9/08	0.12	0.13	0.10	0.13	0.11	0.26	0.25	0.15	0.11	0.15	0.21	0.35	0.37	0.53	0.46	0.24	0.13	0.16	0.16	0.13	0.12	0.10	0.11	0.16	24	0.53	0.10	0.20
1/10/08	0.07	0.18	0.17	0.12	0.14	0.18	0.23	0.19	0.20	0.43	0.59	0.56	0.61	0.65	0.66	0.50	0.22	0.17	0.16	0.12	0.14	0.08	0.34	0.50	24	0.66	0.07	0.30
1/11/08	0.27	0.45	0.13	0.18	0.13	0.33	0.11	0.19	0.19	0.66	0.59	0.70	0.73	0.73	0.62	0.42	0.62	0.35	0.25	0.37	0.39	0.39	0.41	0.36	24	0.73	0.11	0.40
1/12/08	0.35	0.32	0.27	0.17	0.26	0.30	0.25	0.30	0.24	0.37	0.36	0.52	0.70	0.69	0.56	0.62	0.46	0.21	0.16	0.14	0.10	0.09	0.09	0.11	24	0.70	0.09	0.32
1/13/08	0.07	0.07	0.16	0.16	0.25	0.35	0.31	0.48	0.10	0.24	0.57	0.78	0.76	0.71	0.79	0.70	0.68	0.53	0.44	0.42	0.45	0.16	0.19	0.18	24	0.79	0.07	0.40
1/14/08	0.17	0.14	0.17	0.12	0.24	0.39	0.40	0.35	0.36	0.22	0.27	0.38	0.55	0.72	0.63	0.58	0.67	0.51	0.26	0.24	0.59	0.41	0.42	0.35	24	0.72	0.12	0.38
1/15/08	0.23	0.19	0.17	0.19	0.13	0.22	0.21	0.15	0.17	0.17	0.18	0.23	0.17	0.17	0.19	0.08	0.09	0.07	0.14	0.29	0.70	0.79	0.96	0.74	24	0.96	0.07	0.28
1/16/08	0.83	0.89	0.88	0.96	1.00	0.85	0.80	0.84	0.89	0.87	0.92	0.97	0.88	1.01	0.91	0.73	0.56	0.28	0.16	0.10	0.12	0.11	0.09	0.08	24	1.01	0.08	0.66
1/17/08	0.09	0.06	0.14	0.10	0.11	0.09	0.10	0.17	0.13	0.19	0.51	0.56	0.68	0.75	0.72	0.49	0.41	0.31	0.17	0.10	0.14	0.49	0.58	0.72	24	0.75	0.06	0.33
1/18/08	0.68	0.66	0.58	0.64	0.56	0.48	0.56	0.65	0.66	0.82	0.79	0.81	0.91	1.04	1.00	0.85	0.69	0.46	0.39	0.29	0.27	0.48	0.43	0.29	24	1.04	0.27	0.62
1/19/08	0.21	0.14	0.11	0.14	0.14	0.08	0.10	0.16	0.11	0.49	0.53	0.71	0.86	0.89	0.89	0.68	0.43	0.11	0.11	0.12	0.11	0.11	0.10	0.11	24	0.89	0.08	0.31
1/20/08	0.11	0.10	0.10	0.05	0.06	0.07	0.06	0.02	0.06	0.20	0.39	0.61	0.71	0.61	0.51	0.55	0.42	0.28	0.28	0.22	0.22	0.22	0.19	0.13	24	0.71	0.02	0.26
1/21/08	0.12	0.10	0.03	0.10	0.08	0.10	0.11	0.16	0.09	0.30	0.55	0.62	0.65	0.77	0.62	0.50	0.26	0.13	0.16	0.07	0.11	0.06	0.14	0.17	24	0.77	0.03	0.25
1/22/08	0.16	0.32	0.26	0.23	0.32	0.24	0.14	0.23	0.25	0.34	0.57	0.82	0.86	0.83	0.71	0.60	0.45	0.27	0.14	0.13	0.12	0.08	0.09	0.07	24	0.86	0.07	0.34
1/23/08	0.27	0.20	0.33	0.56	0.54	0.44	0.30	0.21	0.14	0.24	0.38	0.45	0.47	0.68	0.54	0.40	0.33	0.15	0.14	0.11	0.11	0.07	0.09	0.08	24	0.68	0.07	0.30
1/24/08	0.11	0.08	0.10	0.11	0.10	0.14	0.10	0.09	0.09	0.16	0.35	0.71	0.81	0.55	0.31	0.28	0.19	0.16	0.36	0.78	0.41	0.88	0.23	0.20	24	0.88	0.08	0.30
1/25/08	0.48	0.41	0.34	0.47	0.57	0.19	0.18	0.17	0.17	0.09	0.11	0.11	0.34	0.53	0.49	0.28	0.31	0.14	0.13	0.10	0.13	0.13	0.09	0.12	24	0.57	0.09	0.25
1/26/08	0.12	0.07	0.09	0.20	0.12	0.13	0.14	0.18	0.07	0.11	0.21	0.27	0.36	0.56	0.49	0.33	0.26	0.09	0.07	0.06	0.07	0.08	0.07	0.10	24	0.56	0.06	0.18
1/27/08	0.12	0.10	0.12	0.17	0.26	0.19	0.12	0.08	0.19	0.20	0.16	0.24	0.36	0.33	0.23	0.32	0.17	0.12	0.14	0.29	0.24	0.24	0.42	0.34	24	0.42	0.08	0.21
1/28/08	0.10	0.10	0.25	0.21	0.13	0.30	0.10	0.13	0.12	0.33	0.19	0.21	0.13	0.21	0.22	0.31	0.78	0.82	1.00	1.13	1.14	1.10	1.02	1.06	24	1.14	0.10	0.46
1/29/08	1.00	0.98	0.98	0.90	0.89	0.95	1.11	1.03	1.05	1.10	1.17	1.21	1.23	1.21	1.12	1.09	0.86	0.55	0.39	0.47	0.40	0.37	0.39	0.38	24	1.23	0.37	0.87
1/30/08	0.46	0.35	0.35	0.33	0.46	0.40	0.46	0.43	0.46	0.62	0.71	0.81	0.85	0.93	0.80	0.78	0.59	0.47	0.37	0.17	0.15	0.12	0.16	0.07	24	0.93	0.07	0.47
1/31/08	0.09	0.14	0.43	0.23	0.59	0.75	0.91	0.46	0.74	0.66	0.69	0.85	1.04	0.92	0.77	0.65	0.28	0.13	0.14	0.11	0.27	0.77	0.26	0.36	24	1.04	0.09	0.51
hr max	1.00	0.98	0.98	0.96	1.00	0.95	1.11	1.03	1.05	1.10	1.17	1.21	1.23	1.21	1.12	1.09	0.86	0.82	1.00	1.13	1.39	1.50	1.44	1.21				
hr min	0.07	0.06	0.03	0.05	0.06	0.07	0.06	0.02	0.06	0.09	0.11	0.11	0.13	0.14	0.10	0.08	0.09	0.07	0.07	0.00	0.00	0.06	0.06	0.06				
average	0.29	0.29	0.28	0.29	0.30	0.30	0.30	0.29	0.26	0.35	0.44	0.53	0.61	0.63	0.57	0.47	0.37	0.25	0.24	0.25	0.30	0.33	0.30	0.30				

monthly max hr	monthly min hr	monthly ave hr
1.50	0.00	0.36
1/2/08	1/8/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
degC
2mT

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	-15.8	-16.7	-16.8	-16.9	-17.1	-17.6	-18.2	-18.4	-18.5	-17.7	-16.4	-15.0	-13.8	-12.7	-11.7	-11.4	-11.4	-14.0	-14.5	-15.2	-14.9	-14.3	-14.7	-13.4	24	-11.4	-18.5	-15.3
1/2/08	-14.6	-15.6	-13.8	-16.5	-16.8	-17.0	-17.4	-16.9	-16.5	-13.7	-10.6	-7.7	-4.8	-3.5	-3.1	-3.5	-4.0	-4.9	-5.8	-6.1	-5.9	-6.0	-6.2	-6.2	24	-3.1	-17.4	-9.9
1/3/08	-6.4	-6.5	-6.6	-6.5	-6.6	-7.2	-7.9	-8.5	-9.2	-7.1	-3.6	-0.8	1.4	2.5	3.4	3.6	2.0	-1.0	-4.3	-6.3	-6.7	-6.7	-7.2	-7.9	24	3.6	-9.2	-4.3
1/4/08	-7.8	-7.8	-7.9	-8.5	-7.2	-5.5	-5.8	-4.8	-6.6	-7.8	-6.1	-5.0	-2.7	-0.2	1.7	2.3	1.5	-0.7	-2.6	-3.3	-3.4	-3.1	-4.0	-3.9	24	2.3	-8.5	-4.1
1/5/08	-2.7	-2.6	-2.5	-1.8	-0.7	1.2	1.3	1.1	1.2	2.1	3.7	4.5	5.7	6.2	6.2	5.4	4.9	3.9	3.0	1.9	1.4	1.8	1.7	0.0	24	6.2	-2.7	2.0
1/6/08	0.7	2.3	3.2	3.0	2.3	1.9	0.4	-0.9	-1.5	1.0	2.4	2.6	3.0	3.5	4.6	5.3	3.1	-1.2	-3.3	-2.2	-1.8	-2.0	-0.8	0.5	24	5.3	-3.3	1.1
1/7/08	-0.1	-0.6	-1.7	-2.7	-2.7	-3.7	-4.7	-5.2	-3.4	-1.3	-0.4	1.7	2.2	3.7	3.6	2.9	2.3	0.4	-0.4	-1.0	-1.9	-2.2	-3.2	-5.3	24	3.7	-5.3	-1.0
1/8/08	-5.5	-5.8	-6.4	-7.2	-7.5	-7.6	-8.2	-8.0	-7.7	-6.0	-2.1	-0.3	0.2	1.1	1.6	1.8	1.0	-2.1	-4.9	-5.7	-6.7	-5.9	-5.6	-5.7	24	1.8	-8.2	-4.3
1/9/08	-5.6	-6.4	-6.2	-7.1	-8.0	-9.3	-11.3	-12.4	-12.8	-10.6	-7.3	-5.2	-3.3	-2.0	-1.3	-0.9	-1.3	-4.6	-6.6	-7.4	-8.2	-7.9	-7.3	-7.6	24	-0.9	-12.8	-6.7
1/10/08	-6.2	-6.0	-5.8	-6.6	-7.2	-8.0	-8.9	-9.9	-10.2	-9.2	-7.7	-5.8	-4.0	-2.4	-1.7	-1.4	-2.3	-4.2	-6.7	-7.6	-7.9	-5.6	-5.3	-5.8	24	-1.4	-10.2	-6.1
1/11/08	-5.5	-5.4	-5.4	-5.5	-5.4	-5.6	-5.6	-6.1	-5.2	-3.5	-0.4	2.6	3.4	3.4	2.3	0.7	-1.3	-4.8	-6.8	-6.6	-7.4	-8.2	-8.3	-8.4	24	3.4	-8.4	-3.9
1/12/08	-8.4	-8.6	-9.5	-10.6	-10.2	-9.4	-9.3	-9.4	-9.3	-9.0	-7.8	-6.3	-5.9	-5.4	-5.3	-4.8	-5.1	-7.3	-9.7	-10.3	-11.2	-10.2	-11.0	-10.7	24	-4.8	-11.2	-8.5
1/13/08	-10.9	-9.1	-8.1	-7.6	-7.3	-6.6	-6.0	-7.0	-7.2	-5.6	-4.3	-4.2	-4.8	-4.3	-4.0	-4.2	-5.0	-5.7	-6.6	-7.2	-8.1	-11.0	-13.2	-13.8	24	-4.0	-13.8	-7.2
1/14/08	-14.8	-15.3	-15.6	-16.1	-14.5	-13.9	-14.7	-14.9	-14.5	-13.4	-12.7	-11.6	-10.6	-9.9	-9.0	-9.1	-9.4	-11.0	-12.0	-11.3	-10.2	-9.4	-8.6	-8.1	24	-8.1	-16.1	-12.1
1/15/08	-7.9	-7.9	-7.8	-7.4	-7.2	-7.0	-6.6	-6.3	-6.0	-5.5	-4.9	-3.5	-2.4	-1.5	0.0	0.1	-1.4	-4.0	-5.2	-2.9	-0.1	-1.9	-4.0	-4.8	24	0.1	-7.9	-4.4
1/16/08	-5.0	-6.4	-7.3	-7.9	-9.2	-10.2	-11.0	-11.9	-12.4	-12.9	-12.7	-12.0	-11.9	-11.2	-10.9	-10.7	-11.0	-12.8	-15.5	-16.2	-17.0	-18.3	-19.2	-18.8	24	-5.0	-19.2	-12.2
1/17/08	-18.4	-18.4	-19.8	-20.3	-19.6	-20.0	-19.1	-18.2	-16.8	-14.6	-12.0	-10.4	-8.1	-6.8	-6.0	-5.8	-5.9	-5.7	-6.0	-5.8	-5.4	-5.0	-6.0	-8.4	24	-5.0	-20.3	-11.8
1/18/08	-9.0	-11.1	-12.8	-15.1	-17.6	-18.5	-19.2	-20.1	-20.6	-19.5	-19.1	-18.4	-17.8	-17.0	-16.7	-16.6	-17.1	-18.3	-19.4	-20.5	-21.6	-21.8	-21.7	-22.2	24	-9.0	-22.2	-18.0
1/19/08	-22.6	-23.2	-24.1	-24.7	-24.5	-25.1	-25.1	-23.4	-21.8	-19.2	-17.1	-15.4	-13.9	-12.6	-11.7	-11.6	-12.1	-14.8	-16.0	-16.5	-18.5	-19.4	-20.2	-20.6	24	-11.6	-25.1	-18.9
1/20/08	-20.6	-20.5	-19.9	-18.8	-19.2	-22.1	-22.1	-22.9	-22.6	-19.0	-14.9	-12.9	-12.5	-12.6	-12.9	-13.3	-14.2	-14.9	-15.0	-15.2	-15.3	-15.3	-15.4	-15.6	24	-12.5	-22.9	-17.0
1/21/08	-15.7	-15.4	-15.6	-16.2	-17.0	-17.7	-18.0	-17.8	-17.6	-16.6	-15.8	-15.4	-14.8	-14.1	-14.0	-14.4	-15.1	-17.3	-18.7	-18.7	-20.8	-19.5	-20.4	-22.5	24	-14.0	-22.5	-17.0
1/22/08	-22.7	-22.9	-21.8	-21.3	-20.6	-21.5	-22.1	-20.9	-20.2	-18.1	-14.2	-11.0	-9.3	-8.0	-7.8	-7.1	-7.4	-8.5	-8.1	-8.4	-9.7	-8.5	-8.3	-8.0	24	-7.1	-22.9	-14.0
1/23/08	-8.6	-10.1	-11.9	-12.9	-14.7	-16.0	-17.4	-18.3	-18.8	-18.3	-17.9	-17.6	-17.0	-16.7	-16.6	-17.0	-17.9	-20.3	-22.7	-23.9	-22.0	-23.2	-23.8	-22.7	24	-8.6	-23.9	-17.8
1/24/08	-22.0	-22.6	-23.7	-23.5	-24.0	-24.9	-24.5	-24.3	-21.6	-19.4	-16.1	-13.2	-10.0	-8.1	-6.7	-6.6	-7.6	-10.6	-11.9	-11.8	-12.1	-11.9	-11.9	-11.5	24	-6.6	-24.9	-15.9
1/25/08	-11.6	-12.0	-10.7	-10.0	-10.9	-11.3	-12.3	-17.0	-18.8	-17.4	-14.6	-12.5	-11.4	-12.2	-12.1	-11.5	-11.0	-11.3	-12.6	-12.9	-13.0	-12.5	-10.2	-8.7	24	-8.7	-18.8	-12.4
1/26/08	-9.0	-9.4	-10.2	-10.2	-8.8	-10.2	-11.3	-10.7	-8.4	-6.0	-2.6	-0.3	1.6	2.6	3.1	3.0	2.3	0.3	-1.8	-2.9	-3.4	-6.2	-6.5	-7.0	24	3.1	-11.3	-4.7
1/27/08	-4.8	-6.7	-7.6	-7.2	-6.1	-5.3	-4.2	-3.7	-3.1	-1.7	-0.4	1.9	3.5	4.6	5.1	5.4	4.2	2.3	1.1	0.6	1.2	1.8	2.0	2.8	24	5.4	-7.6	-0.6
1/28/08	2.3	2.9	4.0	3.9	4.4	4.6	5.4	5.9	5.3	4.3	4.2	5.0	5.9	6.6	8.2	8.1	1.1	-3.3	-8.0	-12.1	-13.5	-15.9	-17.8	-18.9	24	8.2	-18.9	-0.3
1/29/08	-20.0	-20.9	-21.3	-21.8	-22.4	-23.1	-24.0	-25.0	-25.6	-25.8	-24.8	-23.5	-22.2	-20.7	-19.4	-18.7	-18.7	-19.6	-20.5	-21.1	-21.8	-22.6	-23.0	-23.0	24	-18.7	-25.8	-22.1
1/30/08	-23.1	-23.6	-24.1	-24.5	-24.4	-23.7	-23.3	-23.0	-22.6	-21.9	-21.0	-19.9	-19.0	-18.0	-17.3	-17.0	-17.4	-18.4	-19.2	-20.2	-21.2	-21.9	-21.9	-22.1	24	-17.0	-24.5	-21.2
1/31/08	-22.0	-21.7	-21.8	-21.9	-21.6	-21.6	-20.7	-20.2	-19.2	-16.7	-12.9	-8.7	-4.9	-2.2	-1.3	-1.2	-2.3	-4.7	-6.9	-9.0	-10.3	-9.7	-10.1	-9.9	24	-1.2	-22.0	-12.6
hr max	2.3	2.9	4.0	3.9	4.4	4.6	5.4	5.9	5.3	4.3	4.2	5.0	5.9	6.6	8.2	8.1	4.9	3.9	3.0	1.9	1.4	1.8	2.0	2.8				
hr min	-23.1	-23.6	-24.1	-24.7	-24.5	-25.1	-25.1	-25.0	-25.6	-25.8	-24.8	-23.5	-22.2	-20.7	-19.4	-18.7	-18.7	-20.3	-22.7	-23.9	-22.0	-23.2	-23.8	-23.0				
average	-11.1	-11.4	-11.6	-11.9	-12.0	-12.3	-12.6	-12.9	-12.7	-11.3	-9.4	-7.7	-6.4	-5.4	-4.8	-4.8	-5.7	-7.7	-9.3	-9.9	-10.2	-10.4	-10.7	-10.9				

monthly max hr	monthly min hr	monthly ave hr
8.2	-25.8	-9.7
1/28/08	1/29/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
degC
10mT

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid hr count	daily max hr	daily min hr	daily ave hr
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1/1/08	-15.6	-16.4	-16.5	-16.6	-17.0	-17.5	-17.9	-18.1	-18.4	-17.9	-16.9	-15.8	-14.6	-13.5	-12.4	-11.7	-11.7	-12.0	-13.2	-13.6	-13.1	-13.0	-13.0	-12.1	24	-11.7	-18.4	-14.9
1/2/08	-13.3	-12.8	-11.6	-15.3	-15.3	-14.6	-16.2	-15.7	-15.7	-14.0	-11.3	-8.5	-5.5	-4.1	-3.4	-3.5	-3.9	-4.7	-5.5	-5.9	-5.8	-5.9	-6.0	-6.1	24	-3.4	-16.2	-9.4
1/3/08	-6.2	-6.3	-6.4	-6.3	-6.4	-7.0	-7.7	-8.2	-8.4	-7.4	-4.1	-1.6	0.7	1.7	2.7	3.2	2.2	0.8	-1.7	-3.4	-3.4	-5.1	-6.0	-6.5	24	3.2	-8.4	-3.8
1/4/08	-6.1	-5.7	-6.2	-6.7	-6.0	-4.7	-5.1	-4.1	-5.3	-7.0	-6.1	-5.2	-3.1	-1.0	1.3	2.4	2.4	1.5	0.3	0.0	0.9	0.4	-1.2	0.7	24	2.4	-7.0	-2.7
1/5/08	-0.1	-1.5	-1.4	-1.0	0.0	1.6	1.8	1.6	1.6	2.3	3.8	4.5	5.6	6.1	6.3	5.8	5.5	4.7	4.3	3.4	2.9	3.7	4.0	1.6	24	6.3	-1.5	2.8
1/6/08	1.4	2.6	3.7	3.7	3.0	2.5	1.4	0.4	-0.1	1.5	2.0	2.3	2.9	3.4	4.7	5.1	4.2	2.9	1.1	-0.9	-0.8	-1.3	-0.2	0.7	24	5.1	-1.3	1.9
1/7/08	0.5	-0.1	-1.1	-2.0	-2.1	-3.0	-2.4	-2.6	-2.3	-1.6	-0.8	1.0	1.5	3.0	3.0	2.8	2.8	1.5	0.3	-0.5	-1.2	-1.4	-2.2	-3.6	24	3.0	-3.6	-0.4
1/8/08	-4.0	-4.1	-5.0	-5.0	-5.9	-6.5	-6.6	-6.8	-6.2	-6.0	-2.6	-1.2	-0.7	0.3	1.0	1.5	1.1	0.4	-0.2	-0.6	-2.9	-4.3	-5.0	-5.2	24	1.5	-6.8	-3.1
1/9/08	-5.1	-5.8	-5.5	-6.5	-6.9	-7.9	-9.9	-11.5	-12.2	-10.9	-7.9	-5.7	-3.9	-2.6	-1.8	-1.0	-1.1	-3.5	-5.1	-5.7	-5.5	-5.0	-5.7	-6.0	24	-1.0	-12.2	-5.9
1/10/08	-5.4	-5.5	-5.3	-6.0	-6.7	-7.5	-8.5	-9.5	-10.0	-9.5	-8.4	-6.8	-5.0	-3.4	-2.5	-1.9	-2.0	-3.0	-3.7	-3.4	-4.3	-4.4	-4.6	-5.8	24	-1.9	-10.0	-5.5
1/11/08	-5.5	-5.3	-5.4	-5.4	-5.4	-5.6	-5.6	-6.1	-5.2	-3.5	-0.6	2.0	2.7	2.7	1.8	0.6	-1.5	-4.9	-6.8	-6.7	-7.5	-8.3	-8.4	-8.5	24	2.7	-8.5	-4.0
1/12/08	-8.5	-8.7	-9.6	-10.5	-10.3	-9.5	-9.4	-9.5	-9.4	-9.3	-8.3	-7.0	-6.6	-6.1	-5.8	-5.3	-5.3	-6.0	-7.3	-7.7	-9.4	-9.5	-10.1	-10.0	24	-5.3	-10.5	-8.3
1/13/08	-10.6	-9.1	-8.1	-7.7	-7.4	-6.6	-5.9	-6.3	-6.5	-5.7	-4.9	-4.9	-5.5	-4.9	-4.6	-4.6	-5.2	-5.8	-6.7	-7.3	-8.1	-10.7	-12.4	-13.4	24	-4.6	-13.4	-7.2
1/14/08	-13.5	-14.3	-14.9	-15.5	-14.4	-14.0	-14.8	-15.1	-14.6	-13.7	-12.9	-12.0	-11.0	-10.2	-9.7	-9.7	-9.7	-10.8	-11.6	-11.1	-10.2	-9.4	-8.6	-8.2	24	-8.2	-15.5	-12.1
1/15/08	-8.0	-8.0	-7.9	-7.4	-7.3	-7.0	-6.6	-6.3	-6.0	-5.6	-5.1	-3.8	-2.7	-2.0	-1.3	-0.1	-1.5	-3.6	-4.5	-2.7	0.1	-1.8	-3.9	-4.7	24	0.1	-8.0	-4.5
1/16/08	-5.0	-6.4	-7.3	-8.0	-9.3	-10.2	-11.0	-12.0	-12.5	-13.2	-13.2	-12.6	-12.5	-11.9	-11.4	-11.2	-11.1	-12.4	-14.5	-15.7	-16.4	-17.2	-18.4	-18.2	24	-5.0	-18.4	-12.2
1/17/08	-17.5	-17.0	-19.0	-19.4	-18.4	-18.5	-19.0	-18.2	-16.9	-15.0	-12.6	-11.1	-9.0	-7.5	-6.5	-6.1	-6.1	-5.6	-5.8	-5.7	-5.2	-5.0	-6.0	-8.4	24	-5.0	-19.4	-11.6
1/18/08	-9.0	-11.1	-12.7	-15.1	-17.5	-18.3	-19.1	-20.0	-20.5	-19.9	-19.7	-19.2	-18.8	-18.1	-17.5	-17.2	-17.2	-18.1	-19.1	-20.0	-21.0	-21.3	-21.4	-21.9	24	-9.0	-21.9	-18.1
1/19/08	-22.2	-22.8	-23.7	-24.2	-23.4	-24.3	-24.7	-23.1	-21.9	-19.5	-17.7	-16.3	-15.0	-13.7	-12.7	-12.2	-12.0	-13.0	-13.2	-13.2	-14.8	-16.4	-14.7	-16.1	24	-12.0	-24.7	-18.0
1/20/08	-15.7	-18.1	-15.4	-14.9	-15.6	-20.3	-20.8	-21.2	-21.6	-19.3	-15.5	-13.8	-13.2	-13.3	-13.5	-13.8	-14.5	-14.9	-15.1	-15.3	-15.4	-15.4	-15.5	-15.6	24	-13.2	-21.6	-16.2
1/21/08	-15.7	-15.5	-15.6	-15.9	-16.5	-17.5	-17.8	-17.8	-17.6	-17.0	-16.6	-16.1	-15.6	-14.9	-14.6	-14.9	-15.0	-15.8	-16.5	-17.9	-19.7	-19.0	-19.7	-22.0	24	-14.6	-22.0	-16.9
1/22/08	-22.3	-22.7	-21.7	-21.1	-20.5	-21.4	-22.0	-20.8	-20.2	-18.4	-14.5	-11.6	-10.2	-8.8	-8.3	-7.5	-7.4	-8.0	-7.9	-7.7	-8.5	-8.3	-7.9	-7.7	24	-7.4	-22.7	-14.0
1/23/08	-8.0	-10.2	-12.0	-13.0	-14.8	-16.1	-17.4	-18.2	-18.8	-18.7	-18.5	-18.4	-17.9	-17.8	-17.3	-17.3	-17.5	-18.2	-20.0	-21.7	-20.2	-20.5	-21.2	-20.7	24	-8.0	-21.7	-17.3
1/24/08	-20.3	-21.4	-21.9	-22.6	-21.4	-23.4	-23.5	-23.1	-21.4	-19.7	-16.7	-14.0	-11.1	-8.9	-7.3	-7.0	-7.6	-9.8	-11.0	-11.1	-11.5	-11.5	-11.5	-11.1	24	-7.0	-23.5	-15.4
1/25/08	-11.0	-10.9	-10.1	-9.7	-10.5	-10.8	-11.4	-15.6	-18.7	-17.9	-15.2	-13.0	-12.5	-13.4	-12.8	-11.8	-11.1	-11.0	-11.8	-12.0	-12.1	-11.7	-9.8	-8.4	24	-8.4	-18.7	-12.2
1/26/08	-8.5	-8.8	-9.3	-8.8	-7.9	-9.0	-9.7	-9.7	-7.9	-5.9	-2.5	-0.1	1.8	2.7	3.3	3.5	3.1	1.7	-0.6	-1.2	-2.0	-4.2	-4.9	-3.1	24	3.5	-9.7	-3.7
1/27/08	-3.2	-5.1	-5.8	-5.6	-4.8	-4.6	-3.8	-3.2	-2.6	-1.8	-0.7	1.2	2.6	3.9	4.6	5.2	4.4	3.2	2.6	1.9	1.9	2.5	2.6	3.1	24	5.2	-5.8	-0.1
1/28/08	2.8	3.3	4.4	4.4	4.9	5.1	6.2	7.2	6.6	4.8	4.5	5.1	5.8	6.5	8.2	8.4	0.9	-3.5	-8.3	-12.4	-13.8	-16.2	-18.0	-19.2	24	8.4	-19.2	-0.1
1/29/08	-20.3	-21.1	-21.6	-22.1	-22.8	-23.5	-24.3	-25.2	-25.9	-26.4	-25.8	-24.7	-23.5	-22.0	-20.5	-19.5	-19.1	-19.5	-20.3	-20.9	-21.7	-22.4	-22.9	-23.0	24	-19.1	-26.4	-22.5
1/30/08	-23.1	-23.6	-24.1	-24.5	-24.5	-24.0	-23.6	-23.3	-23.0	-22.5	-21.6	-20.7	-19.8	-18.9	-18.2	-17.7	-17.8	-18.5	-19.3	-20.1	-21.0	-21.6	-21.8	-21.9	24	-17.7	-24.5	-21.5
1/31/08	-21.8	-21.6	-21.8	-21.8	-21.5	-21.4	-20.7	-20.2	-19.3	-17.1	-13.6	-9.5	-5.7	-2.9	-1.9	-1.5	-2.4	-4.5	-6.8	-8.8	-10.1	-9.6	-9.9	-9.7	24	-1.5	-21.8	-12.7
hr max	2.8	3.3	4.4	4.4	4.9	5.1	6.2	7.2	6.6	4.8	4.5	5.1	5.8	6.5	8.2	8.4	5.5	4.7	4.3	3.4	2.9	3.7	4.0	3.1				
hr min	-23.1	-23.6	-24.1	-24.5	-24.5	-24.3	-24.7	-25.2	-25.9	-26.4	-25.8	-24.7	-23.5	-22.0	-20.5	-19.5	-19.1	-19.5	-20.3	-21.7	-21.7	-22.4	-22.9	-23.0				
average	-10.3	-10.8	-10.9	-11.3	-11.4	-11.8	-12.1	-12.3	-12.3	-11.5	-9.8	-8.3	-7.1	-6.1	-5.4	-5.1	-5.6	-6.8	-8.0	-8.6	-9.0	-9.5	-9.8	-10.0				

monthly max hr	monthly min hr	monthly ave hr
8.4	-26.4	-9.3
1/28/08	1/29/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
degC
50mT

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1/1/08	-15.8	-16.5	-16.6	-16.9	-17.3	-17.7	-18.1	-18.4	-18.6	-18.3	-17.4	-16.4	-15.2	-14.1	-12.9	-12.1	-12.1	-11.2	-10.9	-10.0	-9.9	-9.3	-8.7	-8.3
1/2/08	-8.6	-8.3	-10.0	-11.8	-9.6	-9.3	-10.5	-10.5	-10.2	-10.5	-10.3	-8.8	-6.1	-4.7	-4.0	-3.8	-4.0	-4.6	-5.5	-6.0	-5.8	-6.0	-6.2	-6.2
1/3/08	-6.3	-6.3	-6.3	-6.1	-6.1	-6.0	-6.2	-5.9	-4.2	-4.1	-3.8	-2.0	0.0	1.1	2.1	2.7	2.1	1.7	0.7	-0.2	-0.9	-2.4	-2.4	-1.3
1/4/08	-1.3	-1.3	-1.2	-0.6	-1.6	0.9	-0.2	-2.1	-3.4	-5.0	-5.9	-5.6	-3.5	-0.9	1.0	2.5	3.9	6.2	5.9	6.6	7.7	8.1	6.0	8.8
1/5/08	8.7	7.2	5.5	3.3	4.1	3.7	3.6	2.7	2.6	3.1	4.5	5.0	5.8	6.1	6.7	7.3	7.3	7.3	8.4	8.2	7.9	8.3	8.3	8.3
1/6/08	5.8	5.2	5.0	4.7	4.6	4.3	3.6	3.5	3.7	3.3	2.1	2.0	2.8	3.5	4.8	5.1	5.1	4.8	4.8	4.3	3.8	1.7	1.8	1.8
1/7/08	2.2	1.6	1.5	0.9	0.6	0.0	0.3	-0.1	-0.4	-1.0	-1.1	0.3	0.9	2.3	2.5	2.4	3.3	2.9	1.7	1.1	-0.1	-0.3	-0.3	-0.6
1/8/08	-0.7	-0.5	-1.1	-1.4	-2.5	-3.2	-3.4	-1.8	-2.2	-3.0	-2.8	-1.8	-1.2	-0.3	0.4	1.0	0.8	0.5	0.4	0.5	0.1	-1.1	-1.2	-1.3
1/9/08	-1.0	-2.1	-3.9	-5.3	-4.8	-5.3	-5.5	-7.3	-7.5	-7.9	-8.0	-6.3	-4.6	-3.3	-2.4	-1.3	-1.2	-2.8	-4.0	-4.5	-4.4	-3.4	-3.0	-2.8
1/10/08	-1.4	-3.5	-4.5	-4.9	-6.0	-7.2	-8.3	-9.3	-10.0	-9.9	-9.0	-7.5	-5.7	-4.1	-3.2	-2.4	-2.1	-2.7	-3.0	-2.8	-2.8	-2.8	-2.9	-5.3
1/11/08	-4.7	-4.9	-4.1	-4.6	-4.3	-4.9	-4.4	-3.3	-2.4	-2.1	-0.7	1.5	2.1	2.0	1.2	0.1	-1.8	-5.2	-6.9	-7.1	-8.0	-8.7	-8.8	-8.9
1/12/08	-9.0	-9.2	-10.0	-10.9	-10.7	-10.0	-9.9	-10.0	-9.9	-9.8	-8.9	-7.6	-7.2	-6.7	-6.3	-5.9	-5.7	-6.1	-6.3	-6.7	-7.0	-6.9	-6.7	-6.8
1/13/08	-7.0	-6.9	-7.0	-7.2	-7.2	-6.2	-5.3	-5.8	-5.3	-5.7	-5.5	-5.6	-6.3	-5.7	-5.4	-5.3	-5.7	-6.2	-7.2	-7.8	-8.5	-10.8	-12.1	-13.1
1/14/08	-13.5	-13.8	-13.7	-14.4	-14.3	-14.4	-15.3	-15.5	-15.1	-14.1	-13.3	-12.4	-11.5	-10.6	-10.1	-10.2	-10.1	-10.6	-10.7	-11.0	-10.5	-9.8	-9.0	-8.5
1/15/08	-8.3	-8.3	-8.2	-7.8	-7.6	-7.3	-7.0	-6.6	-6.3	-6.0	-5.5	-4.3	-3.2	-2.4	-2.0	-1.8	-1.9	-3.6	-3.8	-2.5	-0.1	-2.2	-4.2	-5.0
1/16/08	-5.4	-6.9	-7.7	-8.4	-9.7	-10.7	-11.5	-12.5	-13.0	-13.7	-13.8	-13.3	-13.3	-12.6	-12.1	-11.8	-11.6	-12.4	-14.0	-14.8	-15.5	-15.8	-15.7	-15.2
1/17/08	-14.4	-14.0	-16.5	-14.8	-13.7	-12.9	-14.7	-15.7	-14.8	-14.6	-13.1	-11.8	-9.7	-8.2	-7.2	-6.7	-6.5	-5.8	-5.4	-5.3	-5.0	-5.2	-6.3	-8.8
1/18/08	-9.4	-11.5	-13.1	-15.6	-17.9	-18.6	-19.5	-20.4	-20.8	-20.5	-20.3	-19.9	-19.5	-18.8	-18.3	-17.9	-17.7	-18.3	-19.1	-19.8	-20.5	-20.7	-21.0	-21.4
1/19/08	-21.5	-21.8	-22.3	-22.3	-22.3	-21.8	-21.3	-21.2	-21.1	-19.9	-18.3	-16.9	-15.7	-14.4	-13.5	-12.8	-12.4	-12.5	-12.6	-12.9	-13.2	-13.1	-13.3	-14.0
1/20/08	-13.9	-14.8	-14.1	-14.2	-14.3	-14.7	-15.6	-16.8	-16.6	-18.0	-16.1	-14.5	-13.9	-14.0	-14.1	-14.4	-15.0	-15.4	-15.6	-15.8	-15.9	-15.9	-15.9	-15.9
1/21/08	-16.1	-15.9	-16.0	-16.2	-16.3	-17.0	-17.1	-17.3	-17.4	-17.3	-17.3	-16.9	-16.4	-15.7	-15.3	-15.4	-15.3	-15.3	-15.5	-16.4	-16.6	-17.2	-17.9	-18.4
1/22/08	-19.7	-21.7	-21.5	-20.6	-20.3	-21.5	-21.8	-20.6	-19.8	-17.9	-14.7	-12.2	-10.7	-9.3	-8.8	-8.0	-7.8	-8.1	-7.5	-7.5	-7.1	-6.9	-6.9	-6.7
1/23/08	-6.9	-10.3	-12.4	-13.5	-15.3	-16.6	-17.8	-18.4	-19.0	-19.2	-19.0	-18.9	-18.4	-18.3	-17.9	-17.7	-17.7	-17.8	-17.9	-18.5	-17.0	-16.8	-16.5	-16.3
1/24/08	-16.0	-16.1	-15.8	-16.6	-16.2	-15.9	-15.7	-16.6	-17.4	-17.2	-15.6	-13.6	-11.3	-9.7	-8.0	-7.6	-7.9	-8.6	-9.0	-9.8	-10.0	-9.2	-7.6	-6.9
1/25/08	-7.6	-7.9	-7.5	-7.6	-8.1	-7.9	-8.6	-10.2	-14.5	-16.7	-14.1	-12.1	-13.0	-13.9	-13.3	-12.1	-11.4	-10.9	-10.8	-10.2	-9.8	-8.4	-7.3	-5.4
1/26/08	-6.0	-5.0	-5.2	-5.7	-4.9	-5.0	-5.3	-4.8	-3.6	-4.1	-2.1	-0.2	1.7	2.6	3.1	3.4	3.3	3.2	3.2	3.1	3.0	2.8	3.6	4.0
1/27/08	3.4	2.1	2.3	2.5	2.1	2.0	1.6	1.2	0.1	-1.1	-0.8	0.8	2.1	3.4	4.3	5.2	5.0	5.7	5.8	6.5	6.1	5.2	4.2	4.1
1/28/08	5.3	5.6	6.5	7.2	7.9	7.9	9.9	11.0	10.7	8.0	6.0	5.9	6.9	7.8	8.7	8.9	0.5	-4.0	-9.0	-13.0	-14.5	-16.9	-18.7	-19.8
1/29/08	-20.9	-21.7	-22.2	-22.7	-23.4	-24.1	-24.9	-25.7	-26.5	-27.1	-26.6	-25.6	-24.3	-22.9	-21.4	-20.3	-19.7	-20.0	-20.6	-21.2	-22.0	-22.7	-23.2	-23.4
1/30/08	-23.5	-24.0	-24.6	-24.9	-24.9	-24.5	-24.1	-23.8	-23.5	-23.0	-22.3	-21.4	-20.5	-19.6	-18.8	-18.4	-18.4	-19.0	-19.8	-20.5	-21.2	-21.8	-21.9	-21.8
1/31/08	-21.6	-21.5	-21.5	-21.4	-21.3	-20.9	-20.3	-20.2	-19.4	-17.6	-14.4	-10.3	-6.6	-3.8	-2.6	-2.1	-2.8	-4.5	-6.9	-8.8	-9.9	-9.1	-9.6	-9.3
hr max	8.7	7.2	6.5	7.2	7.9	7.9	9.9	11.0	10.7	8.0	6.0	5.9	6.9	7.8	8.7	8.9	7.3	7.3	8.4	8.2	7.9	8.3	8.3	8.8
hr min	-23.5	-24.0	-24.6	-24.9	-24.9	-24.5	-24.9	-25.7	-26.5	-27.1	-26.6	-25.6	-24.3	-22.9	-21.4	-20.3	-19.7	-20.0	-20.6	-21.2	-22.0	-22.7	-23.2	-23.4
average	-8.2	-8.8	-9.2	-9.6	-9.7	-9.8	-10.1	-10.4	-10.5	-10.7	-9.9	-8.7	-7.6	-6.6	-5.9	-5.5	-5.7	-6.2	-6.8	-7.2	-7.3	-7.7	-7.9	-7.9

valid hr count	daily max hr	daily min hr	daily ave hr
24	-8.3	-18.6	-14.3
24	-3.8	-11.8	-7.6
24	2.7	-6.3	-2.5
24	8.8	-5.9	1.0
24	8.7	2.6	6.0
24	5.8	1.7	3.8
24	3.3	-1.1	0.9
24	1.0	-3.4	-1.1
24	-1.0	-8.0	-4.3
24	-1.4	-10.0	-5.1
24	2.1	-8.9	-3.7
24	-5.7	-10.9	-8.1
24	-5.3	-13.1	-7.0
24	-8.5	-15.5	-12.2
24	-0.1	-8.3	-4.8
24	-5.4	-15.8	-12.1
24	-5.0	-16.5	-10.5
24	-9.4	-21.4	-18.4
24	-12.4	-22.3	-17.1
24	-13.9	-18.0	-15.2
24	-15.3	-18.4	-16.5
24	-6.7	-21.8	-13.7
24	-6.9	-19.2	-16.6
24	-6.9	-17.4	-12.4
24	-5.4	-16.7	-10.4
24	4.0	-6.0	-0.6
24	6.5	-1.1	3.1
24	11.0	-19.8	1.2
24	-19.7	-27.1	-23.0
24	-18.4	-24.9	-21.9
24	-2.1	-21.6	-12.8

monthly max hr	monthly min hr	monthly ave hr
11.0	-27.1	-8.3
1/28/08	1/29/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
degC
100mT

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1/1/08	-16.1	-16.7	-16.8	-17.2	-17.6	-18.0	-18.5	-18.7	-18.9	-18.7	-17.9	-16.9	-15.7	-14.7	-13.5	-12.6	-12.6	-11.4	-10.7	-9.9	-9.5	-8.6	-8.1	-7.9
1/2/08	-7.7	-7.5	-8.7	-8.9	-7.6	-7.7	-8.5	-8.9	-9.0	-8.4	-7.4	-6.4	-6.2	-5.2	-4.4	-4.1	-4.1	-4.5	-5.3	-6.0	-5.9	-6.2	-6.4	-6.4
1/3/08	-6.5	-6.3	-5.9	-5.4	-5.0	-3.6	-3.4	-2.7	-1.7	-1.1	-2.5	-1.4	1.2	0.8	1.8	2.2	1.8	1.6	1.1	0.2	-0.6	-0.7	-0.5	-0.3
1/4/08	0.3	0.2	0.4	0.7	1.1	2.3	1.9	0.8	-1.5	-4.4	-4.6	-3.6	-2.9	4.0	2.9	4.3	5.5	7.3	7.4	7.6	8.2	9.0	9.0	9.6
1/5/08	10.2	10.0	9.0	10.4	7.4	6.0	5.6	4.3	4.5	5.8	7.3	6.8	7.0	7.1	7.9	9.1	9.9	10.5	10.0	8.7	8.7	9.2	9.5	9.3
1/6/08	7.5	6.9	7.3	5.5	5.3	5.5	4.3	4.6	4.2	3.8	2.7	2.3	3.6	4.1	5.0	5.1	5.0	5.3	5.5	5.2	5.3	3.4	2.8	2.8
1/7/08	2.6	2.7	2.7	2.2	1.8	1.2	2.0	1.4	0.0	-0.2	-1.0	-0.2	0.4	1.7	2.0	2.0	3.1	3.2	2.6	2.0	0.4	0.6	1.6	1.4
1/8/08	1.4	1.5	1.0	1.4	0.1	0.1	0.3	0.5	0.5	-0.5	-1.6	-2.1	-1.7	-0.8	-0.1	0.5	0.4	0.2	0.2	0.3	0.2	0.1	0.3	-0.1
1/9/08	0.4	0.6	-0.9	-1.5	-0.6	-1.5	-1.9	-2.2	-2.9	-3.7	-5.6	-6.3	-5.0	-3.8	-2.9	-1.8	-1.5	-2.8	-3.6	-3.4	-3.1	-2.3	-2.0	-1.7
1/10/08	-0.2	-1.3	-3.2	-3.6	-5.1	-6.4	-8.2	-9.1	-9.8	-10.0	-9.5	-8.0	-6.2	-4.7	-3.7	-2.9	-2.5	-2.9	-3.0	-2.6	-2.3	-2.4	-2.2	-2.7
1/11/08	-2.6	-2.9	-1.5	-2.1	-2.0	-2.3	-2.2	-0.8	-0.2	-0.4	-0.5	1.0	1.5	1.5	0.7	-0.4	-2.1	-5.4	-6.9	-7.6	-8.4	-9.2	-9.3	-9.4
1/12/08	-9.5	-9.7	-10.5	-11.2	-11.1	-10.4	-10.3	-10.4	-10.3	-10.2	-9.5	-8.4	-7.7	-7.2	-6.8	-6.4	-6.2	-6.4	-6.6	-6.9	-7.0	-6.9	-6.8	-6.7
1/13/08	-6.4	-5.6	-4.8	-4.7	-4.8	-3.0	-3.1	-4.6	-4.6	-5.6	-6.0	-6.1	-6.8	-6.2	-5.9	-5.8	-6.2	-6.7	-7.7	-8.3	-9.0	-10.9	-12.1	-13.1
1/14/08	-13.5	-13.3	-13.5	-14.3	-14.3	-14.8	-15.6	-15.9	-15.4	-14.4	-13.7	-12.8	-11.9	-11.0	-10.5	-10.5	-10.5	-10.8	-10.7	-10.9	-10.8	-10.2	-9.4	-8.9
1/15/08	-8.7	-8.7	-8.4	-8.0	-7.9	-7.6	-7.3	-6.9	-6.7	-6.3	-5.9	-4.7	-3.6	-2.7	-2.3	-2.2	-2.7	-3.5	-3.7	-2.0	-0.4	-2.6	-4.6	-5.4
1/16/08	-5.8	-7.3	-8.2	-8.9	-10.1	-11.1	-12.0	-13.0	-13.5	-14.2	-14.3	-13.8	-13.8	-13.2	-12.6	-12.3	-12.1	-12.6	-13.6	-13.8	-14.2	-14.8	-14.7	-14.4
1/17/08	-13.8	-13.2	-13.7	-12.0	-11.8	-11.4	-12.2	-12.0	-11.3	-11.8	-13.0	-12.2	-10.2	-8.7	-7.7	-7.2	-6.9	-6.1	-5.5	-5.2	-4.9	-5.5	-6.7	-9.3
1/18/08	-9.9	-12.0	-13.5	-16.1	-18.3	-19.0	-19.9	-20.8	-21.2	-20.9	-20.8	-20.4	-20.0	-19.4	-18.9	-18.4	-18.2	-18.6	-19.3	-19.8	-20.5	-20.8	-21.0	-21.4
1/19/08	-21.1	-21.4	-22.0	-21.9	-21.7	-20.4	-20.4	-20.6	-19.7	-19.7	-18.8	-17.5	-16.3	-15.0	-14.0	-13.4	-12.9	-12.9	-12.9	-13.0	-13.2	-13.3	-13.4	-13.5
1/20/08	-13.4	-13.6	-13.4	-13.5	-13.8	-14.2	-15.2	-15.2	-14.9	-15.6	-16.3	-15.0	-14.5	-14.5	-14.6	-14.9	-15.5	-15.9	-16.1	-16.2	-16.3	-16.3	-16.3	-16.3
1/21/08	-16.3	-16.2	-16.0	-16.3	-16.5	-16.7	-16.1	-16.6	-16.9	-17.3	-17.7	-17.3	-16.8	-16.3	-16.0	-15.9	-15.8	-15.7	-15.7	-15.9	-16.0	-16.4	-17.1	-17.8
1/22/08	-19.1	-20.2	-20.1	-17.8	-19.0	-21.0	-20.3	-18.9	-16.3	-15.7	-14.8	-12.7	-11.3	-9.9	-9.4	-8.5	-8.3	-8.4	-7.5	-7.5	-7.1	-6.8	-6.9	-6.8
1/23/08	-6.9	-8.8	-12.6	-13.9	-15.7	-17.0	-18.2	-18.7	-19.3	-19.5	-19.4	-19.5	-19.0	-18.8	-18.4	-18.1	-18.1	-17.9	-17.9	-17.5	-17.1	-16.8	-16.3	-15.9
1/24/08	-15.3	-14.9	-14.0	-12.7	-12.1	-13.0	-14.0	-11.0	-11.5	-11.2	-10.9	-10.3	-10.8	-10.0	-8.3	-8.1	-8.2	-8.6	-8.2	-7.7	-6.4	-5.2	-4.1	-4.3
1/25/08	-5.3	-6.1	-6.2	-6.1	-6.6	-6.4	-7.0	-8.4	-10.4	-11.2	-11.1	-10.6	-12.8	-14.4	-13.8	-12.6	-11.7	-11.1	-10.6	-10.2	-9.7	-8.2	-5.7	-3.5
1/26/08	-3.8	-3.4	-2.9	-3.6	-3.0	-3.9	-3.6	-3.5	-2.7	-2.2	-1.0	0.1	1.6	2.2	2.7	3.1	3.5	3.7	3.6	3.9	4.4	4.2	4.7	5.6
1/27/08	6.1	6.4	7.5	8.1	6.6	5.2	4.5	4.3	4.1	3.8	2.6	1.8	1.8	3.0	4.0	5.1	5.1	6.7	7.4	8.2	8.6	7.6	5.7	5.8
1/28/08	6.8	7.1	8.7	9.3	9.8	10.6	12.5	12.8	12.1	9.6	8.9	8.9	9.7	9.9	10.2	9.5	0.0	-4.5	-9.5	-13.6	-15.0	-17.4	-19.2	-20.3
1/29/08	-21.4	-22.2	-22.7	-23.2	-23.9	-24.6	-25.4	-26.2	-27.0	-27.6	-27.1	-26.2	-24.9	-23.5	-22.0	-20.9	-20.3	-20.4	-20.9	-21.6	-22.3	-23.1	-23.5	-23.8
1/30/08	-24.0	-24.5	-25.0	-25.4	-25.4	-25.0	-24.6	-24.3	-24.0	-23.5	-22.8	-21.9	-21.0	-20.2	-19.4	-18.9	-18.9	-19.5	-20.2	-20.9	-21.6	-21.8	-21.2	-20.5
1/31/08	-20.1	-20.0	-19.7	-19.7	-19.9	-19.5	-18.6	-18.7	-18.2	-16.9	-14.4	-10.7	-7.1	-4.3	-3.1	-2.6	-3.2	-4.5	-6.9	-8.5	-9.0	-7.9	-8.6	-7.7
hr max	10.2	10.0	9.0	10.4	9.8	10.6	12.5	12.8	12.1	9.6	8.9	8.9	9.7	9.9	10.2	9.5	9.9	10.5	10.0	8.7	8.7	9.2	9.5	9.6
hr min	-24.0	-24.5	-25.0	-25.4	-25.4	-25.0	-25.4	-26.2	-27.0	-27.6	-27.1	-26.2	-24.9	-23.5	-22.0	-20.9	-20.3	-20.4	-20.9	-21.6	-22.3	-23.1	-23.5	-23.8
average	-7.5	-7.8	-8.0	-8.1	-8.4	-8.6	-8.9	-9.0	-9.1	-9.3	-9.2	-8.5	-7.7	-6.8	-6.2	-5.7	-5.9	-6.2	-6.6	-6.9	-6.9	-7.1	-7.2	-7.2

valid hr count	daily max hr	daily min hr	daily ave hr
24	-7.9	-18.9	-14.5
24	-4.1	-9.0	-6.7
24	2.2	-6.5	-1.5
24	9.6	-4.6	2.7
24	10.5	4.3	8.1
24	7.5	2.3	4.7
24	3.2	-1.0	1.5
24	1.5	-2.1	0.1
24	0.6	-6.3	-2.5
24	-0.2	-10.0	-4.7
24	1.5	-9.4	-3.0
24	-6.2	-11.2	-8.5
24	-3.0	-13.1	-6.6
24	-8.9	-15.9	-12.4
24	-0.4	-8.7	-5.1
24	-5.8	-14.8	-12.3
24	-4.9	-13.8	-9.7
24	-9.9	-21.4	-18.7
24	-12.9	-22.0	-17.0
24	-13.4	-16.3	-15.1
24	-15.7	-17.8	-16.5
24	-6.8	-21.0	-13.1
24	-6.9	-19.5	-16.7
24	-4.1	-15.3	-10.0
24	-3.5	-14.4	-9.2
24	5.6	-3.9	0.4
24	8.6	1.8	5.4
24	12.8	-20.3	2.4
24	-20.3	-27.6	-23.5
24	-18.9	-25.4	-22.3
24	-2.6	-20.1	-12.1

monthly max hr	monthly min hr	monthly ave hr
12.8	-27.6	-7.6
1/28/08	1/29/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
degC
10-2

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1/1/08	0.24	0.27	0.25	0.24	0.17	0.19	0.25	0.20	0.16	-0.17	-0.54	-0.75	-0.82	-0.87	-0.66	-0.27	-0.27	2.04	1.28	1.58	1.79	1.32	1.68	1.37
1/2/08	1.29	2.79	2.24	1.20	1.51	2.37	1.20	1.22	0.82	-0.27	-0.67	-0.82	-0.69	-0.59	-0.33	-0.05	0.15	0.24	0.23	0.18	0.17	0.15	0.15	0.15
1/3/08	0.18	0.21	0.22	0.18	0.19	0.22	0.30	0.39	0.72	-0.36	-0.55	-0.81	-0.67	-0.81	-0.62	-0.36	0.20	1.84	2.56	2.92	3.34	1.57	1.18	1.46
1/4/08	1.70	2.06	1.78	1.73	1.26	0.82	0.77	0.63	1.25	0.88	-0.03	-0.28	-0.47	-0.76	-0.47	0.05	0.89	2.16	2.90	3.34	4.26	3.47	2.77	4.59
1/5/08	2.59	1.18	1.14	0.77	0.71	0.47	0.45	0.51	0.41	0.21	0.09	-0.01	-0.12	-0.11	0.11	0.38	0.57	0.84	1.31	1.49	1.51	1.90	2.29	1.60
1/6/08	0.67	0.33	0.56	0.68	0.66	0.68	1.01	1.34	1.40	0.50	-0.40	-0.32	-0.12	-0.07	0.04	-0.20	1.16	4.06	4.38	1.30	0.98	0.62	0.65	0.27
1/7/08	0.63	0.56	0.67	0.73	0.65	0.68	2.25	2.55	1.01	-0.28	-0.39	-0.74	-0.65	-0.69	-0.54	-0.15	0.52	1.06	0.68	0.57	0.71	0.82	0.94	1.69
1/8/08	1.53	1.69	1.39	2.15	1.56	1.13	1.63	1.24	1.45	-0.04	-0.46	-0.83	-0.90	-0.82	-0.65	-0.32	0.03	2.55	4.67	5.11	3.83	1.57	0.62	0.49
1/9/08	0.50	0.64	0.61	0.57	1.13	1.36	1.38	0.83	0.52	-0.36	-0.52	-0.57	-0.58	-0.63	-0.49	-0.08	0.17	1.15	1.50	1.68	2.70	2.92	1.60	1.65
1/10/08	0.82	0.47	0.45	0.60	0.51	0.45	0.46	0.38	0.20	-0.28	-0.70	-0.96	-1.04	-0.96	-0.77	-0.44	0.33	1.22	2.95	4.14	3.61	1.13	0.76	0.07
1/11/08	0.05	0.04	0.02	0.05	0.03	0.01	-0.01	0.07	-0.01	0.03	-0.18	-0.56	-0.62	-0.67	-0.49	-0.17	-0.13	-0.08	0.06	-0.11	-0.09	-0.07	-0.09	-0.09
1/12/08	-0.09	-0.10	-0.04	0.09	-0.11	-0.14	-0.10	-0.10	-0.09	-0.29	-0.55	-0.72	-0.72	-0.70	-0.45	-0.52	-0.14	1.27	2.31	2.61	1.77	0.71	0.86	0.66
1/13/08	0.32	-0.04	-0.07	-0.08	-0.08	-0.02	0.11	0.65	0.73	-0.12	-0.55	-0.65	-0.75	-0.55	-0.61	-0.42	-0.19	-0.09	-0.10	-0.10	-0.02	0.31	0.79	0.49
1/14/08	1.33	1.04	0.68	0.62	0.07	-0.12	-0.12	-0.14	-0.18	-0.28	-0.14	-0.41	-0.42	-0.34	-0.68	-0.61	-0.33	0.20	0.43	0.14	0.00	-0.06	-0.06	-0.06
1/15/08	-0.05	-0.05	-0.02	-0.04	-0.04	-0.04	-0.03	-0.03	-0.05	-0.14	-0.24	-0.33	-0.37	-0.49	-1.28	-0.22	-0.08	0.40	0.66	0.16	0.15	0.04	0.10	0.11
1/16/08	-0.01	-0.04	-0.02	-0.06	-0.03	-0.03	-0.07	-0.09	-0.12	-0.25	-0.44	-0.61	-0.66	-0.66	-0.53	-0.45	-0.11	0.43	0.92	0.56	0.66	1.14	0.78	0.61
1/17/08	0.87	1.36	0.76	0.96	1.18	1.56	0.08	-0.07	-0.10	-0.34	-0.60	-0.72	-0.84	-0.78	-0.53	-0.37	-0.15	0.08	0.23	0.08	0.14	0.04	0.04	-0.04
1/18/08	0.00	0.01	0.05	-0.08	0.10	0.16	0.08	0.09	0.09	-0.37	-0.54	-0.84	-0.94	-1.05	-0.87	-0.58	-0.14	0.28	0.33	0.49	0.61	0.51	0.38	0.32
1/19/08	0.35	0.34	0.36	0.45	1.19	0.82	0.36	0.29	-0.11	-0.33	-0.61	-0.81	-1.04	-1.05	-1.01	-0.66	0.06	1.88	2.74	3.25	3.71	3.03	5.50	4.49
1/20/08	4.84	2.39	4.42	3.98	3.57	1.86	1.28	1.72	1.00	-0.30	-0.59	-0.83	-0.72	-0.70	-0.60	-0.48	-0.28	-0.07	-0.10	-0.13	-0.14	-0.11	-0.09	0.03
1/21/08	-0.02	-0.06	-0.01	0.30	0.49	0.25	0.21	0.06	0.01	-0.41	-0.76	-0.77	-0.79	-0.78	-0.63	-0.53	0.07	1.54	2.21	0.74	1.05	0.58	0.69	0.48
1/22/08	0.35	0.26	0.16	0.15	0.15	0.07	0.07	0.12	0.05	-0.23	-0.29	-0.69	-0.83	-0.76	-0.57	-0.43	-0.02	0.50	0.18	0.70	1.24	0.19	0.33	0.28
1/23/08	0.57	-0.12	-0.11	-0.11	-0.09	-0.08	-0.04	0.10	-0.02	-0.40	-0.59	-0.79	-0.92	-1.03	-0.78	-0.32	0.31	2.14	2.67	2.22	1.83	2.77	2.60	2.00
1/24/08	1.70	1.14	1.79	0.85	2.58	1.51	1.06	1.24	0.19	-0.32	-0.59	-0.78	-1.09	-0.80	-0.65	-0.43	0.00	0.84	0.86	0.73	0.56	0.39	0.41	0.49
1/25/08	0.55	1.07	0.57	0.38	0.40	0.51	0.87	1.39	0.07	-0.49	-0.57	-0.45	-1.12	-1.14	-0.76	-0.31	-0.11	0.33	0.79	0.92	0.88	0.83	0.41	0.23
1/26/08	0.47	0.63	0.87	1.35	0.86	1.18	1.61	1.08	0.57	0.08	0.12	0.17	0.20	0.14	0.18	0.42	0.75	1.35	1.24	1.67	1.37	1.94	1.62	3.89
1/27/08	1.56	1.62	1.80	1.63	1.22	0.70	0.43	0.50	0.54	-0.11	-0.34	-0.62	-0.81	-0.74	-0.47	-0.15	0.19	0.98	1.52	1.34	0.68	0.66	0.63	0.34
1/28/08	0.51	0.36	0.39	0.50	0.55	0.53	0.87	1.29	1.36	0.49	0.22	0.10	-0.01	-0.05	-0.02	0.28	-0.12	-0.17	-0.27	-0.25	-0.34	-0.27	-0.28	-0.23
1/29/08	-0.25	-0.24	-0.27	-0.26	-0.35	-0.35	-0.28	-0.21	-0.28	-0.57	-0.92	-1.14	-1.26	-1.23	-1.06	-0.79	-0.38	0.04	0.18	0.15	0.15	0.15	0.12	0.00
1/30/08	-0.03	0.05	-0.02	-0.03	-0.12	-0.34	-0.32	-0.28	-0.35	-0.52	-0.63	-0.78	-0.81	-0.87	-0.84	-0.66	-0.36	-0.14	-0.06	0.12	0.23	0.31	0.15	0.18
1/31/08	0.21	0.10	0.05	0.05	0.09	0.15	0.02	0.00	-0.11	-0.41	-0.72	-0.82	-0.85	-0.76	-0.60	-0.31	-0.04	0.21	0.13	0.20	0.20	0.17	0.23	0.23
hr max	4.84	2.79	4.42	3.98	3.57	2.37	2.25	2.55	1.45	0.88	0.22	0.17	0.20	0.14	0.18	0.42	1.16	4.06	4.67	5.11	4.26	3.47	5.50	4.59
hr min	-0.25	-0.24	-0.27	-0.26	-0.35	-0.35	-0.32	-0.28	-0.35	-0.57	-0.92	-1.14	-1.26	-1.23	-1.28	-0.79	-0.38	-0.17	-0.27	-0.25	-0.34	-0.27	-0.28	-0.23
average	0.75	0.64	0.67	0.63	0.65	0.53	0.51	0.55	0.36	-0.18	-0.44	-0.62	-0.69	-0.69	-0.57	-0.30	0.08	0.94	1.27	1.22	1.21	0.93	0.90	0.90

valid hr count	daily max hr	daily min hr	daily ave hr
24	2.04	-0.87	0.36
24	2.79	-0.82	0.53
24	3.34	-0.81	0.56
24	4.59	-0.76	1.47
24	2.59	-0.12	0.85
24	4.38	-0.40	0.84
24	2.55	-0.74	0.55
24	5.11	-0.90	1.19
24	2.92	-0.63	0.74
24	4.14	-1.04	0.56
24	0.07	-0.67	-0.13
24	2.61	-0.72	0.23
24	0.79	-0.75	-0.04
24	1.33	-0.68	0.02
24	0.66	-1.28	-0.08
24	1.14	-0.66	0.04
24	1.56	-0.84	0.12
24	0.61	-1.05	-0.08
24	5.50	-1.05	0.97
24	4.84	-0.83	0.83
24	2.21	-0.79	0.16
24	1.24	-0.83	0.04
24	2.77	-1.03	0.49
24	2.58	-1.09	0.49
24	1.39	-1.14	0.22
24	3.89	0.08	0.99
24	1.80	-0.81	0.55
24	1.36	-0.34	0.23
24	0.18	-1.26	-0.38
24	0.31	-0.87	-0.26
24	0.23	-0.85	-0.11

monthly max hr	monthly min hr	monthly ave hr
5.50	-1.28	0.39
1/19/08	1/15/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
degC
50-10

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	-0.19	-0.10	-0.13	-0.24	-0.29	-0.26	-0.22	-0.24	-0.23	-0.40	-0.51	-0.59	-0.61	-0.61	-0.57	-0.43	-0.43	0.74	2.30	3.57	3.18	3.74	4.30	3.71	24	4.30	-0.61	0.65
1/2/08	4.68	4.51	1.60	3.47	5.75	5.36	5.67	5.23	5.43	3.49	1.02	-0.37	-0.65	-0.65	-0.59	-0.34	-0.09	0.09	0.06	-0.06	-0.06	-0.11	-0.14	-0.17	24	5.75	-0.65	1.80
1/3/08	-0.10	-0.01	0.15	0.19	0.33	0.93	1.46	2.24	4.20	3.37	0.35	-0.41	-0.64	-0.59	-0.58	-0.55	-0.04	0.91	2.44	3.27	2.48	2.73	3.59	5.20	24	5.20	-0.64	1.29
1/4/08	4.83	4.42	4.99	6.12	4.40	5.58	4.88	2.03	1.95	1.92	0.24	-0.32	-0.37	0.06	-0.28	0.09	1.48	4.75	5.65	6.53	6.87	7.76	7.26	8.14	24	8.14	-0.37	3.71
1/5/08	8.72	8.64	6.90	4.32	4.09	2.07	1.79	1.13	0.97	0.75	0.66	0.53	0.27	0.06	0.39	1.52	1.78	2.55	4.05	4.77	4.98	4.64	4.31	6.71	24	8.72	0.06	3.19
1/6/08	4.36	2.50	1.26	1.03	1.59	1.74	2.15	3.12	3.80	1.82	0.06	-0.29	-0.13	0.07	0.14	-0.04	0.87	1.96	3.72	5.20	4.58	3.05	1.93	1.09	24	5.20	-0.29	1.90
1/7/08	1.73	1.71	2.54	2.90	2.74	3.02	2.76	2.52	1.98	0.52	-0.32	-0.70	-0.68	-0.75	-0.57	-0.37	0.41	1.44	1.41	1.51	1.09	1.13	1.93	2.92	24	3.02	-0.75	1.29
1/8/08	3.31	3.60	3.86	3.65	3.41	3.30	3.20	4.96	4.03	2.98	-0.18	-0.58	-0.58	-0.61	-0.56	-0.49	-0.30	0.09	0.60	1.07	3.05	3.29	3.86	3.96	24	4.96	-0.61	2.04
1/9/08	4.19	3.76	1.68	1.26	2.09	2.65	4.37	4.20	4.69	3.03	-0.17	-0.51	-0.68	-0.61	-0.56	-0.36	-0.11	0.71	1.10	1.21	1.11	1.60	2.69	3.20	24	4.69	-0.68	1.69
1/10/08	3.96	2.05	0.78	1.07	0.67	0.38	0.16	0.23	0.02	-0.42	-0.61	-0.66	-0.69	-0.72	-0.64	-0.55	-0.13	0.32	0.72	0.68	1.49	1.67	1.72	0.49	24	3.96	-0.72	0.50
1/11/08	0.75	0.41	1.26	0.83	1.07	0.72	1.13	2.75	2.80	1.35	-0.11	-0.56	-0.67	-0.65	-0.61	-0.49	-0.34	-0.37	-0.14	-0.47	-0.46	-0.45	-0.47	-0.47	24	2.80	-0.67	0.28
1/12/08	-0.47	-0.49	-0.47	-0.35	-0.47	-0.49	-0.49	-0.48	-0.47	-0.51	-0.55	-0.64	-0.61	-0.59	-0.57	-0.56	-0.44	-0.02	1.03	1.04	2.38	2.55	3.37	3.20	24	3.37	-0.64	0.20
1/13/08	3.55	2.28	1.13	0.50	0.14	0.41	0.61	0.53	1.21	-0.03	-0.64	-0.75	-0.81	-0.77	-0.73	-0.65	-0.53	-0.47	-0.47	-0.48	-0.41	-0.02	0.32	0.27	24	3.55	-0.81	0.17
1/14/08	0.01	0.46	1.21	1.10	0.17	-0.43	-0.41	-0.40	-0.41	-0.43	-0.44	-0.42	-0.50	-0.43	-0.43	-0.46	-0.41	0.21	0.93	0.10	-0.34	-0.39	-0.39	-0.36	24	1.21	-0.50	-0.10
1/15/08	-0.36	-0.35	-0.30	-0.32	-0.33	-0.32	-0.31	-0.31	-0.31	-0.37	-0.43	-0.48	-0.46	-0.41	-0.65	-1.70	-0.41	-0.02	0.72	0.24	-0.17	-0.33	-0.30	-0.29	24	0.72	-1.70	-0.33
1/16/08	-0.38	-0.42	-0.41	-0.43	-0.42	-0.43	-0.46	-0.48	-0.49	-0.56	-0.65	-0.70	-0.75	-0.73	-0.69	-0.65	-0.49	-0.02	0.56	0.87	0.89	1.34	2.75	3.04	24	3.04	-0.75	0.01
1/17/08	3.16	3.00	2.53	4.55	4.72	5.61	4.30	2.57	2.12	0.31	-0.56	-0.67	-0.70	-0.70	-0.64	-0.58	-0.45	-0.19	0.37	0.40	0.19	-0.25	-0.33	-0.42	24	5.61	-0.70	1.18
1/18/08	-0.39	-0.41	-0.39	-0.50	-0.37	-0.30	-0.38	-0.37	-0.33	-0.56	-0.64	-0.71	-0.71	-0.77	-0.77	-0.69	-0.52	-0.21	-0.04	0.14	0.51	0.63	0.40	0.50	24	0.63	-0.77	-0.29
1/19/08	0.72	1.08	1.38	1.94	1.08	2.50	3.42	1.89	0.86	-0.41	-0.60	-0.65	-0.74	-0.72	-0.76	-0.61	-0.38	0.45	0.65	0.31	1.66	3.34	1.32	2.08	24	3.42	-0.76	0.83
1/20/08	1.86	3.30	1.33	0.63	1.28	5.55	5.25	4.42	5.02	1.25	-0.57	-0.72	-0.70	-0.71	-0.63	-0.62	-0.56	-0.46	-0.48	-0.48	-0.49	-0.46	-0.46	-0.37	24	5.55	-0.72	0.92
1/21/08	-0.38	-0.44	-0.37	-0.31	0.21	0.47	0.68	0.49	0.14	-0.31	-0.68	-0.76	-0.80	-0.76	-0.69	-0.54	-0.26	0.47	1.07	1.54	3.13	1.72	1.86	3.67	24	3.67	-0.80	0.38
1/22/08	2.61	1.00	0.17	0.54	0.18	-0.06	0.24	0.16	0.37	0.49	-0.29	-0.52	-0.57	-0.56	-0.52	-0.48	-0.39	-0.11	0.37	0.26	1.38	1.46	1.00	0.96	24	2.61	-0.57	0.32
1/23/08	1.08	-0.03	-0.40	-0.46	-0.47	-0.46	-0.40	-0.14	-0.20	-0.50	-0.44	-0.51	-0.51	-0.55	-0.52	-0.35	-0.14	0.42	2.15	3.22	3.11	3.67	4.74	4.46	24	4.74	-0.55	0.70
1/24/08	4.29	5.29	6.06	6.08	5.22	7.57	7.76	6.44	4.00	2.52	1.01	0.42	-0.23	-0.71	-0.69	-0.64	-0.30	1.18	1.99	1.28	1.53	2.37	3.84	4.18	24	7.76	-0.71	2.94
1/25/08	3.41	2.96	2.63	2.01	2.37	2.94	2.89	5.40	4.17	1.22	1.06	0.86	-0.47	-0.55	-0.52	-0.34	-0.28	0.01	1.03	1.84	2.28	3.29	2.45	3.03	24	5.40	-0.55	1.82
1/26/08	2.55	3.84	4.12	3.14	3.02	3.94	4.37	4.82	4.29	1.79	0.39	-0.03	-0.05	-0.16	-0.17	-0.04	0.26	1.56	3.74	4.31	5.02	7.01	8.47	7.07	24	8.47	-0.17	3.05
1/27/08	6.58	7.19	8.12	8.12	6.92	6.67	5.34	4.43	2.73	0.71	-0.05	-0.48	-0.57	-0.52	-0.37	0.01	0.58	2.50	3.19	4.57	4.28	2.70	1.61	0.92	24	8.12	-0.57	3.13
1/28/08	2.56	2.25	2.15	2.82	2.94	2.83	3.62	3.80	4.06	3.24	1.54	0.85	1.09	1.25	0.47	0.55	-0.47	-0.57	-0.68	-0.67	-0.67	-0.65	-0.65	-0.60	24	4.06	-0.68	1.29
1/29/08	-0.61	-0.60	-0.61	-0.59	-0.65	-0.63	-0.60	-0.56	-0.58	-0.70	-0.83	-0.94	-0.88	-0.96	-0.88	-0.83	-0.65	-0.43	-0.30	-0.31	-0.34	-0.33	-0.33	-0.42	24	-0.30	-0.96	-0.61
1/30/08	-0.46	-0.43	-0.46	-0.45	-0.46	-0.52	-0.50	-0.50	-0.54	-0.59	-0.61	-0.69	-0.71	-0.74	-0.68	-0.70	-0.57	-0.53	-0.48	-0.36	-0.28	-0.13	-0.11	0.15	24	0.15	-0.74	-0.47
1/31/08	0.16	0.06	0.21	0.39	0.17	0.51	0.36	-0.04	-0.17	-0.51	-0.76	-0.80	-0.87	-0.84	-0.77	-0.65	-0.40	0.02	-0.13	0.01	0.21	0.44	0.34	0.39	24	0.51	-0.87	-0.11
hr max	8.72	8.64	8.12	8.12	6.92	7.57	7.76	6.44	5.43	3.49	1.54	0.86	1.09	1.25	0.47	1.52	1.78	4.75	5.65	6.53	6.87	7.76	8.47	8.14				
hr min	-0.61	-0.60	-0.61	-0.59	-0.65	-0.63	-0.60	-0.56	-0.58	-0.70	-0.83	-0.94	-0.88	-0.96	-0.88	-1.70	-0.65	-0.57	-0.68	-0.67	-0.67	-0.65	-0.65	-0.60				
average	2.12	1.97	1.69	1.71	1.65	1.96	2.02	1.93	1.78	0.79	-0.14	-0.41	-0.52	-0.51	-0.50	-0.40	-0.12	0.55	1.20	1.46	1.68	1.84	1.96	2.14				

monthly max hr	monthly min hr	monthly ave hr
8.72	-1.70	1.08
1/5/08	1/15/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
degC
100-50

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1/1/08	-0.30	-0.17	-0.20	-0.35	-0.36	-0.32	-0.32	-0.31	-0.26	-0.41	-0.48	-0.52	-0.52	-0.52	-0.52	-0.47	-0.47	-0.15	0.26	0.09	0.45	0.67	0.58	0.49
1/2/08	0.93	0.73	1.31	2.85	1.94	1.55	2.06	1.56	1.23	2.04	2.89	2.42	-0.13	-0.45	-0.45	-0.31	-0.13	0.06	0.11	-0.03	-0.06	-0.20	-0.19	-0.22
1/3/08	-0.16	0.02	0.39	0.69	1.15	2.45	2.77	3.18	2.57	2.97	1.25	0.64	1.13	-0.30	-0.39	-0.48	-0.35	-0.10	0.37	0.37	0.25	1.64	1.86	0.97
1/4/08	1.60	1.46	1.56	1.33	2.67	1.40	2.04	2.86	1.83	0.63	1.22	1.98	0.62	4.97	1.89	1.82	1.57	1.11	1.48	1.08	0.50	0.90	2.92	0.81
1/5/08	1.58	2.79	3.46	7.09	3.25	2.31	2.09	1.56	1.93	2.70	2.82	1.79	1.17	0.95	1.17	1.71	2.57	3.18	1.67	0.46	0.78	0.86	1.28	1.03
1/6/08	1.78	1.78	2.30	0.74	0.77	1.26	0.75	1.04	0.53	0.57	0.59	0.23	0.81	0.62	0.18	-0.01	-0.08	0.44	0.63	0.86	1.51	1.72	1.01	0.94
1/7/08	0.35	1.04	1.24	1.28	1.13	1.19	1.71	1.47	0.40	0.86	0.18	-0.46	-0.50	-0.51	-0.50	-0.45	-0.10	0.33	0.93	1.00	0.51	0.89	1.87	2.07
1/8/08	2.05	2.00	2.14	2.75	2.65	3.26	3.69	2.31	2.67	2.57	1.19	-0.36	-0.45	-0.48	-0.49	-0.48	-0.41	-0.28	-0.19	-0.14	0.04	1.16	1.50	1.19
1/9/08	1.32	2.66	2.99	3.77	4.18	3.73	3.64	5.12	4.68	4.22	2.41	-0.03	-0.44	-0.52	-0.49	-0.44	-0.27	-0.05	0.37	1.10	1.25	1.12	1.07	1.05
1/10/08	1.20	2.16	1.33	1.35	0.91	0.74	0.11	0.16	0.22	-0.09	-0.49	-0.50	-0.49	-0.53	-0.53	-0.50	-0.41	-0.26	0.04	0.20	0.46	0.36	0.66	2.59
1/11/08	2.11	2.08	2.64	2.51	2.35	2.65	2.21	2.50	2.28	1.74	0.21	-0.48	-0.56	-0.54	-0.50	-0.48	-0.30	-0.11	-0.02	-0.43	-0.46	-0.48	-0.48	-0.49
1/12/08	-0.48	-0.48	-0.48	-0.31	-0.33	-0.41	-0.40	-0.41	-0.39	-0.40	-0.59	-0.72	-0.51	-0.51	-0.51	-0.50	-0.48	-0.35	-0.26	-0.18	-0.01	0.02	-0.11	0.17
1/13/08	0.67	1.28	2.22	2.48	2.38	3.16	2.16	1.22	0.67	0.16	-0.50	-0.53	-0.53	-0.54	-0.53	-0.52	-0.50	-0.48	-0.48	-0.48	-0.47	-0.12	0.03	0.01
1/14/08	0.02	0.52	0.21	0.08	-0.04	-0.38	-0.39	-0.40	-0.37	-0.29	-0.39	-0.39	-0.39	-0.36	-0.36	-0.38	-0.37	-0.27	0.01	0.17	-0.35	-0.38	-0.37	-0.37
1/15/08	-0.37	-0.35	-0.20	-0.25	-0.31	-0.30	-0.30	-0.32	-0.34	-0.35	-0.35	-0.36	-0.39	-0.38	-0.32	-0.45	-0.81	0.08	0.06	0.50	-0.32	-0.42	-0.41	-0.37
1/16/08	-0.43	-0.45	-0.45	-0.45	-0.45	-0.45	-0.47	-0.47	-0.47	-0.50	-0.53	-0.54	-0.54	-0.55	-0.55	-0.52	-0.49	-0.22	0.34	0.96	1.27	1.00	1.01	0.73
1/17/08	0.60	0.86	2.76	2.84	1.91	1.42	2.50	3.61	3.46	2.85	0.15	-0.46	-0.52	-0.51	-0.49	-0.50	-0.42	-0.26	-0.12	0.07	0.20	-0.29	-0.42	-0.46
1/18/08	-0.46	-0.47	-0.44	-0.47	-0.41	-0.34	-0.41	-0.39	-0.33	-0.48	-0.51	-0.53	-0.53	-0.53	-0.55	-0.53	-0.48	-0.33	-0.16	0.00	-0.03	-0.10	-0.07	0.04
1/19/08	0.39	0.33	0.33	0.41	0.54	1.42	0.93	0.68	1.39	0.21	-0.51	-0.55	-0.56	-0.55	-0.54	-0.53	-0.47	-0.35	-0.31	-0.11	-0.03	-0.19	-0.04	0.50
1/20/08	0.49	1.20	0.72	0.73	0.56	0.56	0.36	1.57	1.71	2.45	-0.24	-0.54	-0.52	-0.51	-0.50	-0.53	-0.50	-0.46	-0.46	-0.42	-0.39	-0.38	-0.38	-0.35
1/21/08	-0.28	-0.27	-0.02	-0.16	-0.17	0.33	0.94	0.68	0.54	0.06	-0.43	-0.45	-0.46	-0.66	-0.65	-0.50	-0.45	-0.38	-0.22	0.52	0.62	0.86	0.75	0.54
1/22/08	0.66	1.47	1.36	2.81	1.30	0.48	1.43	1.75	3.52	2.15	-0.03	-0.59	-0.61	-0.58	-0.56	-0.54	-0.47	-0.29	0.01	-0.07	-0.03	0.05	0.06	-0.09
1/23/08	0.09	1.42	-0.21	-0.40	-0.42	-0.42	-0.40	-0.30	-0.29	-0.28	-0.43	-0.57	-0.56	-0.54	-0.50	-0.44	-0.41	-0.16	-0.02	0.97	-0.07	-0.05	0.16	0.38
1/24/08	0.63	1.21	1.83	3.86	4.13	2.82	1.66	5.64	5.96	5.99	4.70	3.30	0.46	-0.35	-0.32	-0.46	-0.30	0.01	0.82	2.07	3.59	3.93	3.48	2.62
1/25/08	2.27	1.77	1.23	1.54	1.45	1.50	1.59	1.88	4.08	5.50	2.96	1.50	0.15	-0.48	-0.45	-0.48	-0.32	-0.16	0.20	-0.02	0.06	0.24	1.60	1.86
1/26/08	2.15	1.55	2.32	2.07	1.90	1.12	1.69	1.37	0.90	1.94	1.10	0.23	-0.14	-0.40	-0.41	-0.28	0.15	0.51	0.42	0.80	1.43	1.44	1.16	1.59
1/27/08	2.77	4.26	5.20	5.58	4.52	3.18	2.87	3.14	3.96	4.95	3.36	1.01	-0.31	-0.41	-0.24	-0.13	0.13	0.92	1.60	1.72	2.45	2.48	1.50	1.78
1/28/08	1.43	1.49	2.19	2.13	1.90	2.69	2.61	1.80	1.37	1.52	2.90	2.95	2.74	2.10	1.55	0.57	-0.48	-0.50	-0.52	-0.52	-0.54	-0.51	-0.52	-0.49
1/29/08	-0.50	-0.49	-0.50	-0.49	-0.49	-0.50	-0.49	-0.47	-0.50	-0.51	-0.56	-0.56	-0.59	-0.63	-0.62	-0.58	-0.53	-0.44	-0.33	-0.33	-0.35	-0.34	-0.34	-0.40
1/30/08	-0.45	-0.44	-0.45	-0.43	-0.46	-0.44	-0.46	-0.46	-0.47	-0.48	-0.50	-0.52	-0.54	-0.53	-0.52	-0.55	-0.50	-0.48	-0.47	-0.43	-0.39	-0.01	0.63	1.24
1/31/08	1.47	1.48	1.82	1.73	1.36	1.44	1.79	1.53	1.28	0.73	-0.07	-0.38	-0.54	-0.52	-0.50	-0.49	-0.43	-0.09	-0.02	0.28	0.88	1.21	0.99	1.58
hr max	2.77	4.26	5.20	7.09	4.52	3.73	3.69	5.64	5.96	5.99	4.70	3.30	2.74	4.97	1.89	1.82	2.57	3.18	1.67	2.07	3.59	3.93	3.48	2.62
hr min	-0.50	-0.49	-0.50	-0.49	-0.49	-0.50	-0.49	-0.47	-0.50	-0.51	-0.59	-0.72	-0.61	-0.66	-0.65	-0.58	-0.81	-0.50	-0.52	-0.52	-0.54	-0.51	-0.52	-0.49
average	0.75	1.05	1.25	1.53	1.27	1.20	1.22	1.39	1.41	1.39	0.69	0.19	-0.14	-0.15	-0.26	-0.27	-0.21	0.02	0.19	0.32	0.41	0.55	0.67	0.68

valid hr count	daily max hr	daily min hr	daily ave hr
24	0.67	-0.52	-0.17
24	2.89	-0.45	0.81
24	3.18	-0.48	0.95
24	4.97	0.50	1.68
24	7.09	0.46	2.09
24	2.30	-0.08	0.87
24	2.07	-0.51	0.66
24	3.69	-0.49	1.16
24	5.12	-0.52	1.77
24	2.59	-0.53	0.36
24	2.65	-0.56	0.75
24	0.17	-0.72	-0.36
24	3.16	-0.54	0.45
24	0.52	-0.40	-0.22
24	0.50	-0.81	-0.29
24	1.27	-0.55	-0.13
24	3.61	-0.52	0.78
24	0.04	-0.55	-0.35
24	1.42	-0.56	0.10
24	2.45	-0.54	0.17
24	0.94	-0.66	0.03
24	3.52	-0.61	0.55
24	1.42	-0.57	-0.14
24	5.99	-0.46	2.39
24	5.50	-0.48	1.23
24	2.32	-0.41	1.03
24	5.58	-0.41	2.35
24	2.95	-0.54	1.16
24	-0.33	-0.63	-0.48
24	1.24	-0.55	-0.34
24	1.82	-0.54	0.69

monthly max hr	monthly min hr	monthly ave hr
7.09	-0.81	0.63
1/5/08	1/15/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
ppb
NOx

data
channel
ppb

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	1.4	1.1	1.2	1.2	1.3	1.5	1.8	2.1	2.2	2.3	2.2	1.8	1.6	1.8	1.8	1.8	1.8	2.1	1.6	1.3	1.2	1.2	0.9		23	2.3	0.9	1.6
1/2/08	0.7			0.7	0.7	0.7	0.7	0.8	0.7	0.8	1.1	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.4	1.7	1.5	1.7		21	1.7	0.7	1.1
1/3/08	1.8	2.0	2.1	2.3	2.6	2.5	2.3	2.3	2.5	2.8	3.3	3.3	3.3	3.7	4.6	4.4	5.2	10.0	6.2	3.9	2.9	2.7	2.6		23	10.0	1.8	3.4
1/4/08	2.4	2.6	2.5	2.6	2.6	2.4	2.3	2.4	2.5	5.2	4.4	4.0	3.0	3.1	3.3	2.9	2.9	4.0	3.3	2.7	2.5	2.3	2.4		23	5.2	2.3	3.0
1/5/08	2.3	2.3	2.3	2.0	1.9	1.6	1.7	1.7	1.8	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.8	2.9	2.6	3.0	2.3	2.4		23	3.0	1.6	2.2
1/6/08	2.0	1.7	1.7	1.7	1.6	1.5	1.2	1.1	1.4	1.2	1.7	1.7	1.5	1.9	1.6	1.7	1.5	1.8	1.8	1.6	1.5	1.6	1.4		23	2.0	1.1	1.6
1/7/08	1.3	1.2	1.3	1.2	1.3	1.3	1.2	1.3	1.3	1.6	2.7	1.8	2.0	1.6	1.8	2.0	2.2	3.7	3.1	1.8	1.6	1.4	1.3		23	3.7	1.2	1.7
1/8/08	1.3	1.1	1.1	0.9	0.7	0.8	0.8	1.2	1.6	2.1	1.7	1.3	1.1	1.5	1.3	1.2	1.3	1.3	1.2	1.3	1.1	1.3	1.8		23	2.1	0.7	1.3
1/9/08	1.9			1.6	1.6	1.6	2.3	2.2	3.1	3.5	3.4	3.0	2.8	2.8	2.9	2.6	2.5	3.4	3.5	3.2	3.3	3.6	3.1		21	3.6	1.6	2.8
1/10/08	2.2	2.0	2.2	2.0	1.8	1.9	2.0	2.0	2.4	2.5	3.8	4.3	3.9	3.7	3.3	2.2	3.4	3.3	2.9	2.3	2.1	1.7	1.7		23	4.3	1.7	2.6
1/11/08	1.7	2.1	2.0	2.1	2.2	2.1	2.3	2.2	2.1	2.8	2.4	1.7	1.8	1.7	2.0	2.2	2.8	3.5	3.0	2.8	2.6	2.5	2.3		23	3.5	1.7	2.3
1/12/08	2.1	2.1	1.8	1.7	1.7	1.6	1.7	2.0	1.7	1.8	1.7	1.8	1.7	1.5	1.4	1.3	1.3	2.4	1.9	2.3	2.4	1.7	1.6		23	2.4	1.3	1.8
1/13/08	1.6	1.8	1.8	1.8	2.1	2.1	1.8	1.7	1.9	2.1	2.8	3.1	2.3	2.2	2.3	1.9	1.9	1.7	1.7	1.6	1.7	1.7	1.7		23	3.1	1.6	2.0
1/14/08	1.5	1.2	1.3	1.2	1.1	1.2	1.2	1.2	1.4	1.2	1.4	1.3	1.2	1.3	1.3	1.3	1.4	1.3	1.2	1.2	1.4	1.4	1.4		23	1.5	1.1	1.3
1/15/08	1.3	1.2	1.3	1.2	1.2	1.4	1.5	1.7	1.8	2.1	2.4	2.9	3.4	3.5	3.7	3.9	4.0	4.1	4.3	3.2	3.7	3.0	3.2		23	4.3	1.2	2.6
1/16/08	2.4			1.5	1.2	1.3	1.1	1.2	1.2	1.3	1.2	1.2	1.1	1.3	1.3	1.2	1.1	1.3	1.2	1.4	1.3	1.1	1.1		21	2.4	1.1	1.3
1/17/08	0.8	0.8	0.7	0.8	0.9	0.7	0.7	0.7	0.7	0.8	1.5	1.5	1.7	1.7	1.7	1.7	2.1	1.7	2.2	2.4	1.8	1.8	2.2		23	2.4	0.7	1.4
1/18/08	1.9	1.7	1.7	2.2	1.7	2.3	2.4	1.3	1.2	1.3	1.3	1.4	1.6	1.3	1.3	0.9	0.7	0.9	0.8	0.9	0.9	0.8	0.7		23	2.4	0.7	1.4
1/19/08	0.9	0.9	0.8	1.1	1.4	1.1	0.8	0.7	0.9	0.8	0.8	0.6	0.7	0.6	0.6	0.7	0.7	1.0	0.9	1.0	1.5	1.3	1.4		23	1.5	0.6	0.9
1/20/08	0.8	0.7	0.8	0.7	0.7	0.7	0.8	0.8	1.1	0.8	0.8	1.3	1.2	1.2	1.3	1.5	1.7	1.9	2.0	2.0	1.9	1.9	1.9		23	2.0	0.7	1.2
1/21/08	1.9	1.7	1.8	1.9	1.8	1.9	2.1	2.7	2.8	2.5	2.4	2.3	2.0	2.2	2.0	3.4	6.2	2.7	2.8	1.7	1.5	1.0	0.8		23	6.2	0.8	2.3
1/22/08	1.4	0.8	1.2	1.1	1.3	1.0	1.1	1.9	2.2	2.3	2.2	1.9	1.5	1.7	1.8	1.7	1.7	1.8	2.2	2.3	1.7	1.9	1.7		23	2.3	0.8	1.7
1/23/08	2.2			2.0	2.0	1.8	1.6	1.6	2.0	1.8	2.1	1.8	1.9	4.6	2.4	1.8	1.8	2.2	2.2	1.6	1.5	2.0	1.6		21	4.6	1.5	2.0
1/24/08	1.8	1.5	1.3	1.2	1.2	1.1	1.5	1.6	1.6	1.5	1.3	1.4	1.4	1.2	2.0	2.4	2.4	2.4	2.4	2.4	2.5	2.4	2.3		23	2.5	1.1	1.8
1/25/08	2.2	2.4	2.3	2.2	2.2	2.2	2.2	2.9	3.4	3.6	3.8	3.9	4.0	3.5	2.9	2.9	2.8	3.6	2.9	2.8	3.1	4.6	6.0		23	6.0	2.2	3.1
1/26/08	6.5	5.1	4.3	3.4	3.0	3.0	2.6	2.3	2.1	2.3	2.3	2.1	2.0	2.0	1.8	1.8	1.9	1.9	2.2	2.3	2.0	1.9	1.8		23	6.5	1.8	2.6
1/27/08	1.6	1.2	1.3	1.4	1.5	1.7	1.6	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.7	2.0	1.9	2.1	2.0	1.8	1.7	1.7		23	2.1	1.2	1.7
1/28/08	1.3	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.8	2.0	1.9	2.1	2.1	2.2	1.9	2.5	2.6	2.9	2.0	1.5	1.3	1.2	1.0		23	2.9	1.0	1.7
1/29/08	0.8	0.9	1.0	1.2	1.2	1.3	1.3	1.2	1.1	0.9	1.1	0.9	0.9	0.8	0.8	0.9	0.6	0.8	0.8	0.7	0.9	0.6	0.8		23	1.3	0.6	0.9
1/30/08	0.7			0.9	1.6	2.0	2.2	2.3	2.0	1.7	1.5	1.6	1.4	1.3	1.2	1.2	1.2	1.3	1.3	1.1	1.0	1.2	0.9		21	2.3	0.7	1.4
1/31/08	0.9	1.1	1.2	1.1	1.2	1.1	1.2	1.2	2.0	2.3	1.9	1.7	1.7	1.8	2.0	2.1	2.1	1.9	1.9	2.0	2.0	2.2	2.3		23	2.3	0.9	1.7
hr max	6.5	5.1	4.3	3.4	3.0	3.0	2.6	2.9	3.4	5.2	4.4	4.3	4.0	4.6	4.6	4.4	6.2	10.0	6.2	3.9	3.7	4.6	6.0	0.0				
hr min	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.6	0.7	0.6	0.6	0.7	0.6	0.8	0.8	0.7	0.9	0.6	0.7	0.0				
average	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.8	2.0	2.1	2.0	1.9	2.0	2.0	2.0	2.2	2.5	2.3	2.0	1.9	1.9	1.9	#DIV/0!				

monthly max hr	monthly min hr	monthly ave hr
10.00	0.60	1.89
1/3/08	1/19/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	703
possible hours	744
data capture	94.5%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
ppb
NO

data
channel
ppb

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1/1/08	0.2	0.2	0.2	0.2	0.1	0.3	0.2	0.2	0.4	0.8	1.1	0.9	0.7	0.7	0.6	0.8	0.8	0.2	0.2	0.2	0.2	0.2	0.3	
1/2/08	0.2			0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.6	0.6	0.5	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.2	
1/3/08	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.7	0.9	0.9	1.0	1.1	1.4	1.2	1.2	2.9	0.8	0.3	0.3	0.2	0.2	
1/4/08	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	1.3	1.1	1.1	0.9	0.8	0.8	0.7	0.6	0.5	0.3	0.3	0.4	0.2	0.2	
1/5/08	0.3	0.2	0.4	0.3	0.3	0.1	0.3	0.3	0.4	0.5	0.7	0.6	0.7	0.5	0.8	0.6	0.5	0.5	0.6	0.5	0.5	0.4	0.5	
1/6/08	0.3	0.4	0.5	0.4	0.3	0.3	0.3	0.2	0.4	0.2	0.7	0.6	0.5	0.7	0.6	0.6	0.3	0.4	0.3	0.4	0.4	0.3	0.4	
1/7/08	0.3	0.2	0.1	0.3	0.3	0.2	0.3	0.4	0.4	0.6	0.9	0.6	0.5	0.8	0.6	0.6	0.5	0.4	0.2	0.4	0.2	0.4	0.2	
1/8/08	0.5	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.8	0.7	0.7	0.5	0.8	0.6	0.5	0.3	0.3	0.3	0.2	0.2	0.3	0.2	
1/9/08	0.2			0.3	0.2	0.1	0.3	0.3	0.5	1.2	1.2	1.1	1.0	0.8	0.9	0.6	0.6	0.3	0.2	0.4	0.2	0.4	0.4	
1/10/08	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.5	0.8	1.4	1.6	1.4	1.3	1.1	0.5	1.4	1.0	0.4	0.2	0.3	0.2	0.3	
1/11/08	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.1	0.2	0.7	0.7	0.5	0.7	0.6	0.7	0.6	0.6	0.3	0.3	0.4	0.2	0.2	0.4	
1/12/08	0.2	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.5	0.4	0.6	0.4	0.4	0.3	0.3	0.3	0.5	0.2	0.3	0.3	0.3	0.4	
1/13/08	0.2	0.2	0.1	0.4	0.3	0.3	0.2	0.2	0.4	0.6	0.9	0.9	0.6	0.4	0.5	0.5	0.3	0.3	0.3	0.2	0.3	0.3	0.2	
1/14/08	0.4	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.5	0.3	0.5	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.2	
1/15/08	0.4	0.2	0.4	0.5	0.6	0.6	0.5	0.6	0.6	0.8	0.8	1.2	1.4	1.2	1.2	0.9	0.7	0.6	0.3	0.3	0.3	0.4	0.4	
1/16/08	0.3			0.4	0.2	0.2	0.3	0.3	0.2	0.4	0.4	0.4	0.3	0.6	0.5	0.4	0.3	0.4	0.2	0.3	0.2	0.2	0.2	
1/17/08	0.3	0.2	0.0	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.5	0.6	0.6	0.7	0.6	0.7	0.5	0.2	0.2	0.2	0.3	0.3	0.3	
1/18/08	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.0	0.3	0.7	0.7	0.8	0.7	0.6	0.6	0.4	0.2	0.3	0.2	0.3	0.2	0.2	0.3	
1/19/08	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.3	0.5	0.3	0.4	0.3	0.2	0.3	0.4	0.3	0.2	0.3	0.3	0.3	0.2	0.1	
1/20/08	0.3	0.2	0.3	0.3	0.2	0.3	0.2	0.4	0.4	0.5	0.4	0.5	0.5	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.2	
1/21/08	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.5	0.7	0.7	0.6	0.5	0.6	0.7	0.8	1.2	0.2	0.2	0.3	0.4	0.2	0.2	
1/22/08	0.3	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.8	0.9	0.7	0.6	0.7	0.6	0.6	0.4	0.2	0.3	0.3	0.2	0.3	0.2	
1/23/08	0.3			0.2	0.2	0.3	0.3	0.2	0.4	0.6	0.8	0.7	0.7	2.1	1.0	0.6	0.6	0.4	0.2	0.3	0.1	0.3	0.2	
1/24/08	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.4	0.4	0.6	0.6	0.6	0.6	0.5	0.6	0.7	0.7	0.5	0.5	0.4	0.3	0.3	0.3	
1/25/08	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.4	0.9	1.1	1.2	1.4	1.1	0.7	0.7	0.5	0.5	0.2	0.1	0.2	0.1	0.2	
1/26/08	0.2	0.1	0.3	0.1	0.3	0.3	0.2	0.3	0.2	0.7	0.7	0.7	0.6	0.8	0.6	0.6	0.6	0.4	0.3	0.4	0.4	0.4	0.2	
1/27/08	0.4	0.2	0.2	0.3	0.3	0.5	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.7	0.7	0.5	0.5	0.3	0.4	0.4	0.3	0.2	0.4	
1/28/08	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.7	0.8	0.6	0.7	0.7	0.6	0.4	0.3	0.3	0.2	0.2	
1/29/08	0.2	0.2	0.2	0.4	0.2	0.3	0.3	0.3	0.4	0.6	0.7	0.6	0.6	0.7	0.5	0.6	0.3	0.2	0.3	0.1	0.4	0.2	0.3	
1/30/08	0.3			0.3	0.3	0.2	0.3	0.2	0.3	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.3	0.3	0.3	0.3	0.3	0.2	0.3	
1/31/08	0.3	0.4	0.4	0.2	0.3	0.2	0.3	0.2	0.6	0.7	0.8	0.6	0.6	0.7	0.7	0.6	0.5	0.3	0.2	0.2	0.2	0.3	0.3	
hr max	0.5	0.4	0.5	0.5	0.6	0.6	0.5	0.6	0.6	1.3	1.4	1.6	1.4	2.1	1.4	1.2	1.4	2.9	0.8	0.5	0.5	0.4	0.5	0.0
hr min	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.0	0.2	0.2	0.3	0.4	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
average	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.4	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.5	0.3	0.3	0.3	0.3	0.3	#DIV/0!

valid hr count	daily max hr	daily min hr	daily ave hr
23	1.1	0.1	0.4
21	0.6	0.2	0.3
23	2.9	0.2	0.7
23	1.3	0.2	0.5
23	0.8	0.1	0.5
23	0.7	0.2	0.4
23	0.9	0.1	0.4
23	0.8	0.2	0.4
21	1.2	0.1	0.5
23	1.6	0.2	0.6
23	0.7	0.1	0.4
23	0.6	0.2	0.3
23	0.9	0.1	0.4
23	0.6	0.2	0.4
23	1.4	0.2	0.6
21	0.6	0.2	0.3
23	0.7	0.0	0.4
23	0.8	0.0	0.4
23	0.5	0.1	0.3
23	0.5	0.2	0.3
23	1.2	0.2	0.4
23	0.9	0.1	0.4
21	2.1	0.1	0.5
23	0.7	0.1	0.4
23	1.4	0.1	0.5
23	0.8	0.1	0.4
23	0.7	0.2	0.4
23	0.8	0.2	0.4
23	0.7	0.1	0.4
21	0.7	0.2	0.4
23	0.8	0.2	0.4

monthly max hr	monthly min hr	monthly ave hr
2.9	0.0	0.4
1/3/08	1/17/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	703
possible hours	744
data capture	94.5%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
ppb
NO2

data
channel
ppb

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1/1/08	1.3	0.9	1.2	0.9	1.2	1.3	1.6	1.8	1.8	1.5	1.2	1.2	1.1	1.2	1.2	1.4	1.4	1.9	1.3	1.3	1.2	1.0	0.8	
1/2/08	0.5			0.5	0.5	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.0	0.8	0.9	0.9	1.1	1.2	1.3	1.4	1.2	1.4	
1/3/08	1.7	1.8	2.0	2.2	2.4	2.3	2.2	2.3	2.2	2.3	2.6	2.5	2.5	2.8	3.4	3.5	4.3	7.3	5.6	3.9	2.9	2.5	2.4	
1/4/08	2.3	2.4	2.3	2.5	2.3	2.2	2.2	2.2	2.3	4.1	3.5	3.1	2.4	2.4	2.7	2.4	2.6	3.6	3.2	2.5	2.3	2.2	2.3	
1/5/08	2.2	2.3	2.2	2.0	1.8	1.7	1.6	1.5	1.8	1.7	1.8	1.8	1.9	1.8	1.8	2.2	2.2	2.3	2.2	2.4	2.9	2.2	2.3	
1/6/08	1.6	1.5	1.4	1.3	1.2	1.2	1.3	1.2	1.2	1.2	1.3	1.2	1.4	1.4	1.4	1.3	1.3	1.3	1.5	1.4	1.4	1.2	1.3	
1/7/08	1.3	1.1	0.9	1.1	1.1	0.9	1.0	1.0	1.1	1.3	2.2	1.3	1.4	1.5	1.5	1.6	2.0	3.3	2.9	1.5	1.3	1.3	1.2	
1/8/08	1.1	0.9	0.8	0.7	0.8	0.8	0.8	1.1	1.3	1.5	1.2	0.8	0.7	0.9	0.9	1.0	1.0	1.1	1.2	1.4	1.0	1.2	1.7	
1/9/08	1.8			1.5	1.4	1.4	2.1	2.1	2.8	2.6	2.4	2.0	2.0	2.1	2.2	2.1	2.2	3.2	3.5	3.1	3.1	3.6	3.1	
1/10/08	2.0	2.1	1.9	1.5	1.9	1.8	1.8	1.9	2.3	2.0	2.4	2.7	2.6	2.7	2.3	1.7	2.5	2.8	2.6	2.2	2.1	1.6	1.7	
1/11/08	1.7	1.8	1.9	1.8	1.8	2.1	2.0	2.0	1.9	2.3	1.8	1.4	1.4	1.4	1.5	1.9	2.6	3.3	3.1	2.8	2.3	2.3	2.2	
1/12/08	2.1	1.8	1.8	1.6	1.5	1.5	1.4	1.8	1.5	1.4	1.3	1.4	1.5	1.4	1.2	1.2	1.3	2.2	1.7	2.1	2.1	1.5	1.4	
1/13/08	1.3	1.7	1.7	1.9	1.9	1.9	1.8	1.6	1.5	1.8	2.0	2.3	1.9	1.7	1.7	1.7	1.8	1.6	1.5	1.6	1.6	1.5	1.3	
1/14/08	1.3	1.1	1.1	0.8	0.8	1.1	1.0	0.9	0.8	1.3	1.2	1.1	1.1	1.1	1.2	1.3	1.2	1.2	1.2	1.1	1.1	1.2	1.1	
1/15/08	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.8	1.6	1.9	2.2	2.7	2.9	3.3	3.5	3.7	4.1	2.9	3.3	2.9	2.9	
1/16/08	2.2			1.4	1.1	1.1	1.2	1.0	1.0	1.0	0.8	0.9	0.8	1.0	1.1	1.1	0.9	0.9	1.2	1.2	1.3	1.1	1.0	
1/17/08	0.9	0.8	0.6	0.8	0.7	0.8	0.5	0.4	0.3	0.7	1.0	1.0	1.2	1.2	1.2	1.5	1.8	1.7	1.8	2.1	1.6	1.6	2.2	
1/18/08	1.7	1.7	1.6	2.1	1.7	2.2	2.3	1.1	1.0	0.9	0.9	0.9	1.1	0.8	0.8	0.6	0.6	0.6	0.8	0.7	0.6	0.7	0.7	
1/19/08	0.8	0.7	0.8	0.9	1.4	1.0	0.7	0.4	0.7	0.5	0.3	0.4	0.3	0.4	0.5	0.6	0.6	0.9	0.8	1.1	1.1	0.9	1.3	
1/20/08	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.6	0.6	0.7	0.9	1.1	1.1	1.2	1.5	1.7	1.8	1.8	1.7	1.7	1.8	
1/21/08	1.7	1.7	1.8	1.5	1.7	1.8	1.9	2.6	2.4	1.9	1.9	1.7	1.6	1.8	1.6	2.6	5.0	2.5	2.7	1.5	1.3	0.9	0.8	
1/22/08	1.1	0.7	0.9	1.2	1.1	0.9	1.0	1.9	2.0	1.6	1.5	1.3	1.3	1.1	1.2	1.5	1.5	1.7	2.0	2.0	1.8	1.6	1.6	
1/23/08	1.9			1.8	1.8	1.7	1.5	1.4	1.8	1.4	1.5	1.3	1.3	2.5	1.5	1.2	1.4	1.9	2.0	1.3	1.3	1.7	1.4	
1/24/08	1.3	1.1	1.1	1.2	1.2	1.1	1.2	1.6	1.3	1.2	1.1	1.1	1.1	1.2	1.7	2.0	2.3	2.2	2.1	2.2	2.4	2.4	2.2	
1/25/08	2.0	2.0	2.2	2.1	2.1	2.2	2.1	2.8	2.8	2.8	2.9	2.8	2.8	2.8	2.5	2.5	2.6	3.2	2.8	2.9	3.1	4.4	6.0	
1/26/08	6.3	4.8	4.1	3.3	2.9	3.0	2.5	2.2	1.9	1.9	1.7	1.6	1.6	1.6	1.4	1.4	1.6	1.7	2.0	2.1	1.8	1.7	1.6	
1/27/08	1.5	1.2	1.2	1.2	1.2	1.5	1.4	1.4	1.6	1.5	1.5	1.5	1.6	1.6	1.5	1.6	1.6	1.8	1.8	1.8	1.5	1.5	1.4	
1/28/08	1.1	1.3	1.2	1.3	1.3	1.3	1.3	1.4	1.6	1.8	1.7	1.7	1.7	1.8	1.6	2.1	2.1	2.6	1.9	1.4	1.2	0.9	0.7	
1/29/08	0.8	0.9	0.8	1.1	0.9	1.0	1.0	1.0	0.8	0.8	0.5	0.6	0.6	0.5	0.4	0.6	0.6	0.6	0.7	0.6	0.7	0.8	0.7	
1/30/08	0.8			0.9	1.4	1.9	2.1	2.0	1.7	1.5	1.2	1.1	1.0	0.8	0.9	1.0	1.1	1.2	1.2	1.1	0.7	1.0	0.9	
1/31/08	0.7	0.8	1.0	0.8	0.9	0.9	1.1	1.1	1.4	1.6	1.4	1.3	1.3	1.5	1.7	1.7	1.9	1.7	1.8	1.6	1.8	2.0	1.9	
hr max	6.3	4.8	4.1	3.3	2.9	3.0	2.5	2.8	2.8	4.1	3.5	3.1	2.8	2.8	3.4	3.5	5.0	7.3	5.6	3.9	3.3	4.4	6.0	0.0
hr min	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.5	0.3	0.4	0.3	0.4	0.4	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.7	0.0
average	1.6	1.5	1.5	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.6	1.9	2.2	2.1	1.8	1.7	1.7	1.7	#DIV/0!

valid hr count	daily max hr	daily min hr	daily ave hr
23	1.9	0.8	1.3
21	1.4	0.4	0.9
23	7.3	1.7	2.9
23	4.1	2.2	2.6
23	2.9	1.5	2.0
23	1.6	1.2	1.3
23	3.3	0.9	1.5
23	1.7	0.7	1.0
21	3.6	1.4	2.4
23	2.8	1.5	2.1
23	3.3	1.4	2.1
23	2.2	1.2	1.6
23	2.3	1.3	1.7
23	1.3	0.8	1.1
23	4.1	1.2	2.2
21	2.2	0.8	1.1
23	2.2	0.3	1.1
23	2.3	0.6	1.1
23	1.4	0.3	0.7
23	1.8	0.4	1.0
23	5.0	0.8	2.0
23	2.0	0.7	1.4
21	2.5	1.2	1.6
23	2.4	1.1	1.6
23	6.0	2.0	2.8
23	6.3	1.4	2.4
23	1.8	1.2	1.5
23	2.6	0.7	1.5
23	1.1	0.4	0.7
21	2.1	0.7	1.2
23	2.0	0.7	1.4

monthly max hr	monthly min hr	monthly ave hr
7.3	0.3	1.6
1/3/08	1/17/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	703
possible hours	744
data capture	94.5%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
ppb
SO2

data
channel
ppb

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.1	1.4	1.3	1.4	1.3	1.3	0.1	0.1	0.1	0.1	0.1	0.1		23	1.4	0.1	0.4
1/2/08	0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0	0.1	1.0	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		21	1.0	0.1	0.2
1/3/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.1	2.6	2.2	1.8	0.1	0.1	1.1	0.1	0.1	0.1		23	2.6	0.1	0.5
1/4/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		23	0.1	0.1	0.1
1/5/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		23	0.1	0.1	0.1
1/6/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		23	0.1	0.1	0.1
1/7/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		23	0.1	0.1	0.1
1/8/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		23	0.1	0.1	0.1
1/9/08	0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		21	0.1	0.1	0.1
1/10/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.4	2.3	2.0	1.6	1.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		23	2.3	0.1	0.5
1/11/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		23	0.1	0.1	0.1
1/12/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		23	0.1	0.1	0.1
1/13/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		23	0.1	0.1	0.1
1/14/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		23	0.1	0.1	0.1
1/15/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		23	0.1	0.1	0.1
1/16/08	0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		21	0.1	0.1	0.1
1/17/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		23	0.1	0.1	0.1
1/18/08	0.1	0.1	0.1	0.1	0.1	0.1	1.1	1.2	1.0	1.2	1.1	1.2	1.5	1.2	1.2	0.1	0.1	0.1	0.1	0.1	1.0				21	1.5	0.1	0.6
1/19/08														0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0	0.1		10	1.0	0.1	0.2
1/20/08	0.1	0.1	0.1	0.1	0.1	0.1					0.1	1.3	1.1	1.1	1.2	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		19	1.3	0.1	0.4
1/21/08	0.1	0.1	0.1	1.2	0.1	0.1	0.1	0.1	0.1	1.0	0.1	1.1	1.3	1.4	1.4	3.1	4.7	1.6	1.0	1.1	0.1	0.1	0.1		23	4.7	0.1	0.9
1/22/08	0.1	1.0	0.1									1.3	1.2	1.3	1.4	1.1	1.1	0.1	0.1	1.0	0.1	0.1	0.1		15	1.4	0.1	0.7
1/23/08	1.0			0.1	1.1	0.1	0.1	0.1	0.1	0.1	1.0	1.2	1.4	3.9	1.8	1.7	1.5	1.2	1.0	0.1	1.1	0.1	0.1		21	3.9	0.1	0.9
1/24/08													1.2	1.0	1.1	1.1	1.0	1.2	1.0	1.0	0.1	0.1	1.1		11	1.2	0.1	0.9
1/25/08	0.1	1.2	0.1	0.1	0.1	1.0	0.1	0.1	1.3	1.0	1.0	1.1	1.1	0.1	0.1	0.1	1.0	1.1	1.0	1.0	1.1	1.4	1.9		23	1.9	0.1	0.7
1/26/08	3.0	2.7	1.9	1.3	1.2	1.0	1.1	0.1	1.2	1.1	1.3	1.2	1.2	1.0	1.2	1.3	1.2	1.2	1.1	1.0	1.0	0.1	0.1		23	3.0	0.1	1.2
1/27/08	0.1	1.0	1.0	0.1	1.1	0.1	1.1	1.0	0.1	1.1	1.0	0.1	0.1	0.1	1.0	1.0	1.2	1.1	0.1	0.1	1.1	0.1	0.1		23	1.2	0.1	0.6
1/28/08	1.0	0.1	1.0	0.1	0.1	1.0	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0	1.1	1.1		23	1.1	0.1	0.4
1/29/08	0.1	0.1	1.0	0.1	1.3													1.1	0.1	1.2	0.1				9	1.3	0.1	0.6
1/30/08	1.0			1.0							2.0	2.2	1.7	1.8	1.3	1.6	1.4	1.5	1.5	1.1	1.1	0.1	0.1		15	2.2	0.1	1.3
1/31/08	1.0	0.1	0.1	1.2							0.1	1.0	1.1	0.1	1.0	1.3	1.0	1.1	1.1	1.3	0.1	0.1	1.0		17	1.3	0.1	0.7
hr max	3.0	2.7	1.9	1.3	1.3	1.0	1.1	1.2	1.3	1.2	2.0	2.3	2.0	3.9	2.6	3.1	4.7	1.6	1.5	1.3	1.1	1.4	1.9	0.0				
hr min	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0				
average	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.6	0.6	0.7	0.7	0.6	0.6	0.4	0.3	0.4	0.3	0.2	0.3	#DIV/0!				

monthly max hr	monthly min hr	monthly ave hr
4.7	0.1	0.4
1/21/08	1/1/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	638
possible hours	744
data capture	85.8%

Max 3 hr ave.	3.1	1/21/08 16:00
Max 24 hr ave.	1.3	1/25/08 20:00

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
ppb
O3

data
channel
ppb

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid hr count	daily max hr	daily max 8hr	daily ave hr
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1/1/08	21.7	21.6	21.0	22.1	21.8	20.5	19.7	19.3	19.6	20.8	22.5	23.2	23.8	24.5	24.6	24.3	24.3	24.4	25.1	26.4	28.0	30.4	31.2		23	31.2	27.1	23.5
1/2/08	33.0		46.6	27.6	25.3	24.7	23.9	24.0	23.4	25.0	26.3	27.6	31.0	32.5	33.5	33.1	33.0	32.9	32.6	32.6	33.1	33.8	33.8		22	46.6	33.1	30.4
1/3/08	31.6	30.7	29.3	27.9	26.9	26.0	24.6	23.1	21.5	21.4	25.8	29.4	31.3	31.1	29.3	30.0	27.4	23.7	22.9	24.5	26.2	26.5	27.3		23	31.6	28.5	26.9
1/4/08	25.2	24.3	24.1	23.8	24.1	25.9	25.7	26.3	24.2	17.9	20.0	20.8	22.8	24.5	26.3	26.3	24.1	21.5	18.9	17.6	19.3	19.9	18.6		23	26.3	24.9	22.7
1/5/08	20.8	21.1	22.6	25.0	27.3	30.0	29.8	28.8	28.2	28.0	28.2	27.5	27.4	26.6	25.4	24.0	22.9	21.4	19.9	17.5	16.8	20.4	23.7		23	30.0	28.5	24.5
1/6/08	21.1	23.9	27.6	27.4	26.6	27.4	28.9	30.7	30.8	32.8	29.9	27.7	29.8	29.8	30.1	29.4	26.8	23.6	19.8	22.6	23.8	23.9	25.6		23	32.8	30.2	27.0
1/7/08	26.4	26.8	26.3	25.5	25.7	24.2	21.9	20.8	21.2	22.0	21.5	23.9	24.1	27.0	25.8	25.0	24.6	22.2	23.3	24.6	25.0	26.4	26.8		23	27.0	24.7	24.4
1/8/08	25.7	25.7	25.8	25.3	24.4	24.8	24.2	24.3	24.2	23.3	27.1	29.6	29.2	29.4	30.8	31.3	31.0	31.9	30.0	28.1	26.3	25.1	23.6		23	31.9	30.4	27.0
1/9/08	23.0		40.5	22.6	21.3	19.1	15.2	12.0	11.8	12.9	15.5	18.0	19.6	21.6	22.1	23.3	21.9	19.8	17.3	17.3	15.9	16.7	19.4		22	40.5	22.0	19.4
1/10/08	20.1	20.8	20.5	20.3	20.2	20.1	19.3	18.0	17.2	17.6	18.2	18.9	21.2	23.1	26.9	28.8	26.2	26.8	24.4	25.4	20.2	23.1	22.0		23	28.8	25.4	21.7
1/11/08	22.1	22.2	20.3	19.2	18.9	17.4	16.7	13.7	14.4	16.9	22.7	27.1	28.9	27.6	25.4	23.3	19.7	14.8	15.1	16.0	18.7	20.8	22.6		23	28.9	24.0	20.2
1/12/08	22.6	22.5	23.4	22.6	23.3	24.1	24.1	23.2	24.2	25.2	26.9	29.8	30.2	34.3	36.4	35.0	33.3	28.0	25.5	23.1	19.9	22.4	21.3		23	36.4	31.7	26.1
1/13/08	22.4	21.7	20.3	18.9	17.4	17.8	18.8	18.7	19.3	19.5	19.4	20.7	25.2	25.8	27.2	28.7	28.8	29.8	29.8	28.9	27.6	23.5	22.3		23	29.8	28.3	23.2
1/14/08	19.9	19.8	20.2	22.2	23.6	26.6	28.7	28.2	27.8	27.3	27.2	27.5	27.9	28.3	28.1	27.8	27.3	24.5	22.8	22.3	23.4	23.3	22.0		23	28.7	27.9	25.1
1/15/08	22.9	22.6	21.4	21.0	20.4	19.0	18.3	17.8	17.2	16.5	16.2	16.2	16.6	17.3	17.8	16.7	13.7	11.7	9.3	13.1	19.0	19.9	20.7		23	22.9	20.4	17.6
1/16/08	23.0		42.2	28.0	30.3	30.1	30.0	28.8	28.5	28.1	29.7	30.9	30.0	29.5	29.3	29.5	30.0	28.8	26.1	26.9	26.4	25.5	24.5		22	42.2	31.1	28.9
1/17/08	27.3	27.2	25.8	24.9	25.4	23.9	25.1	24.5	25.1	27.9	27.4	27.6	29.5	30.2	31.5	30.8	28.4	28.4	26.2	25.7	27.6	28.4	26.8		23	31.5	29.2	27.2
1/18/08	28.6	28.5	29.3	29.1	30.6	28.4	28.9	30.6	30.1	30.2	30.6	30.4	32.7	33.6	35.0	35.6	35.4	34.1	33.3	32.2	31.2				21	35.6	34.0	31.4
1/19/08														36.0	36.5	36.6	35.8	33.2	34.8	35.7	25.9	26.4	27.5		10	36.6	35.5	32.8
1/20/08	26.0	23.2	31.5	36.1	34.6	21.2					29.9	33.1	33.4	33.4	33.4	31.8	29.5	28.0	27.4	27.9	28.5	29.1	28.9		19	36.1	32.5	29.8
1/21/08	28.8	29.9	28.4	26.6	23.2	18.7	18.2	17.9	20.4	22.9	25.1	27.4	30.3	31.8	33.7	33.2	30.4	33.1	31.8	33.0	31.6	33.5	33.4		23	33.7	32.5	28.0
1/22/08	30.7	31.1	31.8									34.6	35.4	36.0	35.7	36.1	35.8	34.8	34.1	33.1	30.1	30.4	30.6		15	36.1	35.6	33.4
1/23/08	29.1		44.9	30.9	29.5	29.7	30.5	29.7	29.1	30.3	29.3	32.0	31.7	30.8	32.7	33.0	32.6	32.4	31.1	30.4	31.1	30.4	28.8		22	44.9	32.0	31.4
1/24/08													38.1	39.9	40.7	40.5	39.4	37.2	36.8	35.7	33.4	33.0	32.7		11	40.7	39.3	37.0
1/25/08	31.4	30.0	29.8	29.7	29.1	28.8	27.9	23.9	22.7	23.9	24.6	25.6	26.4	28.1	29.9	32.7	32.6	32.8	33.8	33.2	32.0	28.2	25.7		23	33.8	31.9	28.8
1/26/08	26.6	29.1	29.8	32.4	34.4	32.9	32.0	33.6	35.8	36.4	38.1	39.6	41.1	41.7	42.1	41.3	40.9	39.7	37.7	36.9	36.6	33.1	33.8		23	42.1	40.6	35.9
1/27/08	36.9	33.9	32.0	31.6	32.4	33.1	33.5	33.9	34.0	33.7	33.2	33.5	34.9	36.6	36.5	36.3	34.6	31.3	29.4	30.4	32.2	33.4	31.6		23	36.9	34.9	33.4
1/28/08	30.6	31.5	31.6	29.7	28.5	28.1	28.5	29.4	27.9	24.1	23.3	23.6	23.5	23.5	26.9	26.3	24.1	22.0	23.8	26.3	27.2	27.6	28.1		23	31.6	29.7	26.8
1/29/08	28.1	28.4	28.6	28.1	28.5													32.4	31.3	31.4	31.0				9	32.4	0.0	29.8
1/30/08	31.7		44.0	30.1							30.8	30.5	30.9	31.4	31.5	31.5	31.7	30.6	30.3	29.6	28.8	26.9	27.1		16	44.0	31.2	31.1
1/31/08	27.1	27.0	26.2	25.2							26.1	27.0	29.1	31.1	31.1	30.7	29.8	28.5	28.1	26.9	26.1	27.4	27.0		17	31.1	29.4	27.9
hr max	36.9	33.9	46.6	36.1	34.6	33.1	33.5	33.9	35.8	36.4	38.1	39.6	41.1	41.7	42.1	41.3	40.9	39.7	37.7	36.9	36.6	33.8	33.8	0.0				
hr min	19.9	19.8	20.2	18.9	17.4	17.4	15.2	12.0	11.8	12.9	15.5	16.2	16.6	17.3	17.8	16.7	13.7	11.7	9.3	13.1	15.9	16.7	18.6	0.0				
average	26.4	26.0	29.2	26.2	25.9	24.9	24.8	24.2	24.1	24.4	25.8	27.3	28.8	29.9	30.5	30.4	29.2	27.9	26.9	26.9	26.5	26.5	26.5	#DIV/0!				

monthly max hr	daily max 8hr	monthly ave hr
46.6	40.6	27.0
1/2/08	1/26/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	643
possible hours	744
data capture	86.4%

monthly rolling max 8 hr aver. 40.6 1/26/08 11:00

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
DegC
StnT

data
channel
DegC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	22	21	21	21	20	20	19	19	19	19	19	19	20	21	22	22	22	22	22	22	21	21	21	22	24	21.8	18.5	20.5
1/2/08	22	22	22	22	21	21	20	20	20	20	21	22	22	21	21	21	22	22	22	22	22	22	22	22	24	21.9	19.9	21.3
1/3/08	22	22	22	22	22	22	22	22	22	22	21	21	21	22	22	22	22	21	21	21	21	21	21	21	24	21.7	21.3	21.5
1/4/08	21	21	21	21	22	21	21	21	21	21	21	21	21	21	22	22	22	22	21	21	21	21	21	22	24	21.6	21.3	21.4
1/5/08	21	21	21	21	21	21	21	21	21	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	24	21.8	21.2	21.5
1/6/08	22	22	22	22	22	22	22	21	21	22	22	22	22	22	22	22	22	22	22	22	21	21	21	22	24	21.9	21.4	21.6
1/7/08	21	21	21	21	21	21	21	21	21	21	22	22	22	22	22	22	22	22	22	22	21	21	21	22	24	21.8	21.3	21.5
1/8/08	21	21	21	21	21	21	21	21	21	21	21	22	22	22	22	22	22	22	22	22	21	21	21	22	24	21.7	21.3	21.5
1/9/08	21	22	22	21	21	21	21	22	22	22	21	22	22	22	22	22	21	21	21	21	21	21	21	21	24	21.7	21.3	21.4
1/10/08	21	21	21	21	21	21	22	22	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	22	24	21.6	21.1	21.3
1/11/08	21	21	21	21	21	21	21	21	21	21	21	21	22	22	22	22	22	22	21	21	21	21	21	22	24	21.8	21.2	21.4
1/12/08	21	21	21	21	21	21	22	22	22	21	21	21	21	21	21	21	21	21	21	21	21	21	22	22	24	21.6	21.3	21.4
1/13/08	22	22	21	21	21	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	22	22	22	24	21.6	21.3	21.4
1/14/08	22	22	22	22	22	22	22	22	22	22	22	22	21	21	21	21	22	22	22	22	22	22	22	22	24	21.9	21.4	21.6
1/15/08	22	22	22	22	21	22	22	22	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	24	21.5	21.2	21.4
1/16/08	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	24	22.0	21.3	21.7
1/17/08	21	21	21	20	20	20	19	19	19	20	20	21	22	21	21	21	21	21	21	21	21	21	21	22	24	21.5	19.2	20.7
1/18/08	21	22	22	22	22	21	21	20	20	19	19	19	19	20	20	20	20	20	20	19	18	pulled	pulled	pulled	21	21.9	18.4	20.2
1/19/08	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	18	19	20	21	21	21	21	21	20	20	20	11	21.4	18.0	20.2
1/20/08	19	19	19	18	18	18	pulled	pulled	pulled	pulled	19	20	21	21	22	22	22	22	22	22	21	21	21	22	20	21.8	18.1	20.4
1/21/08	22	22	22	22	22	22	22	22	21	22	22	22	22	22	22	22	22	22	22	21	21	20	20	20	24	22.0	19.8	21.5
1/22/08	19	19	18	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	19	20	21	22	21	22	22	22	21	22	22	21	21	16	21.6	18.1	20.6
1/23/08	21	22	22	22	22	22	22	21	21	21	21	22	22	22	22	22	22	22	21	20	19	19	18	18	24	22.0	18.1	21.0
1/24/08	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	19	20	22	22	22	22	22	23	23	23	23	23	12	22.9	18.5	21.9
1/25/08	23	23	23	23	23	23	23	23	23	23	22	22	22	22	22	22	22	22	23	23	23	23	22	22	24	22.6	22.2	22.5
1/26/08	23	22	22	23	22	23	22	23	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	24	22.5	22.2	22.4
1/27/08	22	22	22	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	22	22	22	22	23	24	22.8	22.2	22.4
1/28/08	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	22	22	22	22	23	22	23	24	23.3	22.2	22.8
1/29/08	22	21	20	20	19	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	pulled	18	19	18	18	pulled	pulled	18	10	21.8	18.1	19.2
1/30/08	18	18	19	18	pulled	pulled	pulled	pulled	pulled	pulled	18	19	19	20	20	21	21	21	21	21	20	20	20	20	18	21.4	18.0	19.7
1/31/08	20	19	19	18	pulled	pulled	pulled	pulled	pulled	pulled	19	20	22	23	24	24	25	25	25	25	24	24	24	25	18	24.7	18.1	22.4
hr max	22.8	22.8	22.7	22.7	22.8	22.8	22.8	22.9	23.0	23.1	23.1	23.0	23.1	23.1	24.0	24.4	24.7	24.7	24.6	24.5	24.4	24.3	24.3	24.6				
hr min	18.0	18.2	18.1	18.1	18.2	18.1	19.2	18.8	18.5	18.5	18.0	18.5	18.5	18.0	19.1	20.3	20.3	18.3	18.5	18.3	18.1	18.7	18.1	18.1				
average	21.3	21.2	21.2	21.1	21.3	21.3	21.4	21.3	21.3	21.3	21.0	21.2	21.2	21.4	21.6	21.7	21.8	21.6	21.5	21.5	21.3	21.5	21.4	21.4				

monthly	monthly	monthly
max hr	min hr	ave hr
24.7	18.0	21.4
1/31/08	1/19/08	

NOTE: Even though analyzer are heated, we pulled SO2 and O3 data when station temperature <18 C (outside T ~ <-20 C)

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	678
possible hours	744
data capture	91.1%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
w/m2
solar

data
channel
w/m2

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	24 hr	total
1/1/08	0	0	0	0	0	0	0	0	32	151	269	345	386	369	301	192	192	0	0	0	0	0	0	0	24	386	2237	2237
1/2/08	0	0	0	0	0	0	0	0	36	114	267	361	383	361	287	153	66	0	0	0	0	0	0	0	24	383	2028	2028
1/3/08	0	0	0	0	0	0	0	0	28	143	259	308	373	357	298	198	75	0	0	0	0	0	0	0	24	373	2039	2039
1/4/08	0	0	0	0	0	0	0	0	15	82	125	198	300	320	301	195	73	0	0	0	0	0	0	0	24	320	1608	1608
1/5/08	0	0	0	0	0	0	0	0	13	69	128	170	249	244	162	76	25	5	0	0	0	0	0	0	24	249	1140	1140
1/6/08	0	0	0	0	0	0	0	0	23	144	270	243	211	201	219	201	82	4	0	0	0	0	0	0	24	270	1599	1599
1/7/08	0	0	0	0	0	0	0	0	26	89	192	339	331	378	302	189	76	0	0	0	0	0	0	0	24	378	1921	1921
1/8/08	0	0	0	0	0	0	0	0	24	143	261	343	382	369	308	208	83	0	0	0	0	0	0	0	24	382	2120	2120
1/9/08	0	0	0	0	0	0	0	0	30	181	286	350	340	274	226	115	85	4	0	0	0	0	0	0	24	350	1891	1891
1/10/08	0	0	0	0	0	0	0	0	26	150	269	349	391	379	318	213	84	0	0	0	0	0	0	0	24	391	2180	2180
1/11/08	0	0	0	0	0	0	0	0	11	76	185	338	388	382	259	85	39	0	0	0	0	0	0	0	24	388	1762	1762
1/12/08	0	0	0	0	0	0	0	0	10	105	167	234	204	200	145	159	106	7	0	0	0	0	0	0	24	234	1337	1337
1/13/08	0	0	0	0	0	0	0	0	30	185	281	261	245	169	185	126	36	0	0	0	0	0	0	0	24	281	1497	1497
1/14/08	0	0	0	0	0	0	0	0	10	55	176	247	200	234	186	101	34	0	0	0	0	0	0	0	24	247	1242	1242
1/15/08	0	0	0	0	0	0	0	0	7	41	98	125	142	127	121	97	42	0	0	0	0	0	0	0	24	142	799	799
1/16/08	0	0	0	0	0	0	0	0	11	65	160	209	225	227	154	138	112	11	0	0	0	0	0	0	24	227	1313	1313
1/17/08	0	0	0	0	0	0	0	0	34	111	232	306	406	367	246	136	64	4	0	0	0	0	0	0	24	406	1906	1906
1/18/08	0	0	0	0	0	0	0	0	25	163	232	312	350	411	364	254	120	14	0	0	0	0	0	0	24	411	2246	2246
1/19/08	0	0	0	0	0	0	0	0	47	101	199	275	397	424	375	255	106	8	0	0	0	0	0	0	24	424	2187	2187
1/20/08	0	0	0	0	0	0	0	0	71	213	263	308	211	205	147	116	53	5	0	0	0	0	0	0	24	308	1594	1594
1/21/08	0	0	0	0	0	0	0	0	18	195	305	257	261	279	191	155	87	13	0	0	0	0	0	0	24	305	1762	1762
1/22/08	0	0	0	0	0	0	0	0	41	183	281	393	402	341	274	203	71	5	0	0	0	0	0	0	24	402	2194	2194
1/23/08	0	0	0	0	0	0	0	0	35	149	281	377	456	485	341	194	141	21	0	0	0	0	0	0	24	485	2481	2481
1/24/08	0	0	0	0	0	0	0	0	77	220	306	434	528	463	395	282	138	21	0	0	0	0	0	0	24	528	2865	2865
1/25/08	0	0	0	0	0	0	0	0	54	206	348	421	454	439	272	169	107	18	0	0	0	0	0	0	24	454	2488	2488
1/26/08	0	0	0	0	0	0	0	0	45	182	318	409	454	449	390	283	146	25	0	0	0	0	0	0	24	454	2702	2702
1/27/08	0	0	0	0	0	0	0	0	28	129	202	344	433	443	309	207	117	15	0	0	0	0	0	0	24	443	2227	2227
1/28/08	0	0	0	0	0	0	0	0	10	39	71	114	152	177	239	197	123	9	0	0	0	0	0	0	24	239	1129	1129
1/29/08	0	0	0	0	0	0	0	0	48	167	337	431	476	472	417	308	164	32	0	0	0	0	0	0	24	476	2851	2851
1/30/08	0	0	0	0	0	0	0	0	32	94	184	232	266	312	278	224	100	32	0	0	0	0	0	0	24	312	1755	1755
1/31/08	0	0	0	0	0	0	0	0	85	251	369	429	470	467	411	281	137	19	0	0	0	0	0	0	24	470	2917	2917
hr max	0	0	0	0	0	0	0	0	85	251	369	434	528	485	417	308	192	32	0	0	0	0	0	0				
hr min	0	0	0	0	0	0	0	0	7	39	71	114	142	127	121	76	25	0	0	0	0	0	0	0				
average	0	0	0	0	0	0	0	0	32	135	236	305	338	333	272	184	93	9	0	0	0	0	0	0				

monthly	monthly	monthly
max hr	Max24hr	Total
528	2917	60015
1/24/08	1/31/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
mmhg
BP

data
channel
mmhg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	715	715	716	716	716	717	717	718	719	719	720	720	721	721	721	721	721	721	722	722	722	722	722	722	24	722	714.6	719.3
1/2/08	722	722	722	722	722	721	721	721	721	721	721	720	719	718	717	715	714	713	712	711	710	709	707	707	24	722	706.6	717.0
1/3/08	706	705	705	704	704	704	704	704	704	704	704	704	704	704	703	704	704	704	704	704	704	703	703	703	24	706	702.5	703.9
1/4/08	702	701	701	700	699	698	698	698	698	698	698	698	698	697	697	697	697	697	697	697	697	697	696	696	24	702	695.6	697.9
1/5/08	695	694	694	693	693	692	692	691	691	691	691	690	690	690	689	689	689	690	691	691	692	692	692	692	24	695	689.1	691.3
1/6/08	693	694	694	694	695	695	696	696	696	697	698	698	698	698	698	698	698	697	698	698	698	698	698	698	24	698	693.1	696.5
1/7/08	698	697	697	697	696	696	696	696	697	697	698	698	697	697	698	699	700	700	701	702	702	703	703	703	24	703	696.1	698.6
1/8/08	704	704	704	704	704	704	705	706	707	707	706	706	705	705	705	705	704	704	705	704	704	704	704	703	24	707	703.4	704.7
1/9/08	703	703	702	702	701	701	701	700	700	700	700	700	700	699	699	700	700	700	701	701	702	702	702	702	24	703	699.4	700.8
1/10/08	702	702	702	702	702	702	702	702	703	703	703	702	702	701	701	701	701	701	701	700	700	700	699	699	24	703	698.9	701.4
1/11/08	698	698	697	697	697	696	696	696	696	697	697	697	697	697	698	698	699	700	701	702	702	703	704	704	24	704	696.0	698.6
1/12/08	705	705	706	706	706	707	707	708	708	708	709	709	709	708	708	708	709	709	709	709	709	708	708	708	24	709	704.6	707.7
1/13/08	708	708	707	707	707	706	706	707	707	708	708	709	709	709	709	710	710	711	711	712	712	712	713	713	24	713	706.4	709.1
1/14/08	713	713	713	714	714	714	714	714	714	714	714	714	714	713	712	712	712	711	710	710	709	708	707	706	24	714	706.1	712.0
1/15/08	705	704	703	703	701	700	699	698	698	697	696	696	695	695	694	695	695	696	697	698	699	700	701	702	24	705	694.1	698.5
1/16/08	702	704	705	705	706	707	707	708	708	709	709	710	710	709	709	710	710	710	710	710	710	709	709	709	24	710	702.4	708.1
1/17/08	708	708	707	706	705	704	704	703	702	702	701	701	700	699	699	699	699	699	699	699	700	700	702	703	24	708	698.5	702.0
1/18/08	704	705	706	707	708	708	709	710	710	711	712	712	712	712	712	712	713	713	713	714	714	714	714	714	24	714	703.7	710.8
1/19/08	714	714	714	714	713	713	713	713	713	713	713	713	712	712	712	712	711	711	712	712	712	712	712	713	24	714	711.4	712.5
1/20/08	713	713	713	713	713	714	714	714	714	715	715	715	715	715	715	714	714	715	715	715	715	716	716	716	24	716	712.7	714.4
1/21/08	715	715	715	715	714	714	714	714	714	714	715	714	714	713	713	713	713	713	713	713	713	712	712	712	24	715	712.0	713.6
1/22/08	711	711	710	709	709	708	707	707	707	707	707	707	706	706	705	705	705	705	704	704	704	704	704	704	24	711	703.7	706.4
1/23/08	704	704	704	705	706	708	709	710	711	712	712	712	712	712	712	712	712	712	712	712	712	712	711	711	24	712	703.6	709.9
1/24/08	711	711	711	710	710	710	710	710	710	710	709	709	708	708	707	707	706	706	706	706	706	705	705	705	24	711	704.6	708.1
1/25/08	704	704	704	703	703	703	703	703	703	703	703	703	703	702	703	703	703	703	703	703	703	703	702	702	24	704	701.6	702.9
1/26/08	701	701	702	702	702	702	703	703	703	704	704	704	704	703	703	704	704	704	704	704	704	704	704	704	24	704	701.3	703.3
1/27/08	704	704	703	703	703	702	702	701	701	700	700	700	699	698	698	697	697	696	696	695	694	693	692	691	24	704	691.4	698.7
1/28/08	691	691	690	689	689	688	688	687	686	686	686	686	685	684	683	683	686	687	689	691	692	694	695	696	24	696	683.1	688.4
1/29/08	697	697	698	699	700	700	700	701	701	701	701	701	701	701	701	702	702	702	703	703	703	703	704	704	24	704	696.7	701.1
1/30/08	704	704	704	704	704	704	704	705	705	705	706	706	706	705	705	706	707	707	708	708	709	709	709	709	24	709	703.5	705.7
1/31/08	709	709	709	709	709	709	708	708	708	707	707	707	706	705	705	704	704	703	703	702	702	701	700	700	24	709	699.6	705.5
hr max	721.8	721.9	721.8	721.8	721.5	721.3	721.3	721.2	721.1	720.9	720.7	720.4	720.6	720.6	720.5	720.8	720.8	721.4	721.5	721.6	721.7	721.7	721.8	721.8				
hr min	691.0	690.5	689.9	689.1	688.6	688.1	687.7	686.7	686.2	686.0	686.1	685.8	684.5	683.8	683.1	683.4	685.6	687.3	689.3	691.0	691.6	691.8	691.7	691.4				
average	705.2	705.0	705.0	705.0	704.8	704.8	704.8	704.8	704.9	705.1	705.3	705.2	704.8	704.3	704.1	704.2	704.4	704.6	704.7	704.8	704.9	704.9	704.8	704.8				

monthly	monthly	monthly
max hr	min hr	ave hr
722	683.1	704.8
1/2/08	1/28/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
%
RH

data
channel
%

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
1/1/08	79.3	80.0	80.4	80.7	80.3	80.9	82.0	81.6	81.0	78.7	75.8	74.0	71.8	68.7	67.9	68.1	68.1	77.2	79.5	80.9	80.0	77.4	76.7	70.7	24	82.0	67.9	76.7
1/2/08	72.1	76.7	71.0	80.7	86.4	84.5	87.7	87.7	84.8	82.5	78.4	70.9	64.4	59.4	52.7	56.2	62.5	67.1	71.2	73.1	72.8	72.3	73.5	75.9	24	87.7	52.7	73.5
1/3/08	78.6	79.4	81.4	82.4	83.6	85.5	87.5	88.4	87.9	78.9	67.9	60.3	52.0	47.6	46.6	45.4	55.5	67.6	77.7	85.6	86.6	86.9	87.6	88.6	24	88.6	45.4	74.6
1/4/08	88.5	87.5	86.8	88.0	85.8	81.5	82.5	79.8	82.7	86.7	82.2	79.8	77.4	67.0	62.2	61.0	64.5	72.1	78.1	79.9	80.4	78.0	83.2	84.2	24	88.5	61.0	79.2
1/5/08	81.4	82.3	83.2	79.6	76.6	72.6	73.7	76.0	76.1	74.0	68.8	66.6	62.6	61.5	63.0	67.2	69.9	74.2	78.1	82.1	84.8	84.7	84.8	89.3	24	89.3	61.5	75.5
1/6/08	88.6	85.6	82.1	80.5	81.4	77.1	73.5	71.0	68.8	57.9	53.5	58.6	55.7	55.0	50.6	46.9	56.9	73.3	84.4	82.0	77.4	75.5	72.5	68.9	24	88.6	46.9	69.9
1/7/08	70.6	71.6	74.5	77.5	78.3	80.9	84.6	86.5	81.4	74.0	75.0	64.8	64.1	57.1	59.0	61.5	64.3	69.2	67.4	67.3	68.2	65.5	66.5	74.2	24	86.5	57.1	71.0
1/8/08	75.1	74.5	76.6	78.2	78.2	77.1	77.8	76.9	75.1	70.0	57.8	50.2	52.9	50.3	45.4	43.4	47.1	58.7	69.9	74.8	77.8	82.9	85.0	83.9	24	85.0	43.4	68.3
1/9/08	85.0	85.9	82.4	84.6	86.4	88.1	91.7	92.2	91.3	84.2	78.2	73.1	70.4	67.8	65.9	66.3	68.6	80.2	90.7	91.5	93.5	92.9	90.0	89.3	24	93.5	65.9	82.9
1/10/08	85.3	82.2	80.4	81.6	82.4	84.0	86.2	88.5	88.7	85.5	81.5	76.8	72.6	68.2	65.6	63.4	68.1	75.9	82.9	88.1	88.9	87.0	86.5	87.7	24	88.9	63.4	80.8
1/11/08	87.1	86.2	85.6	85.8	85.6	85.5	84.8	88.0	86.5	80.4	66.5	54.9	51.2	51.7	54.9	61.0	70.1	83.8	91.6	91.3	89.9	89.8	89.2	89.8	24	91.6	51.2	78.8
1/12/08	90.0	89.5	89.3	91.0	91.3	91.3	91.3	91.1	91.0	89.5	84.5	78.9	79.1	74.0	70.5	67.5	67.8	78.5	84.1	86.2	90.6	91.0	90.4	90.0	24	91.3	67.5	84.9
1/13/08	91.1	91.6	91.6	91.3	91.5	90.0	87.7	87.6	88.3	85.4	83.2	83.0	85.1	85.1	82.4	81.4	83.9	86.0	88.0	89.2	87.2	90.2	90.6	90.6	24	91.6	81.4	87.6
1/14/08	89.4	88.5	88.1	86.3	89.8	91.1	90.1	89.4	89.8	90.7	91.7	88.7	88.8	86.9	87.1	87.6	90.8	90.8	91.7	93.4	94.8	94.6	95.0	94.9	24	95.0	86.3	90.4
1/15/08	95.0	94.9	95.0	95.3	95.4	95.6	95.9	96.1	96.3	96.5	96.9	97.7	98.3	98.6	98.0	94.0	92.4	95.3	96.9	94.3	86.0	84.5	84.2	89.3	24	98.6	84.2	94.3
1/16/08	89.3	87.0	84.6	88.1	84.1	80.2	82.1	78.6	79.2	78.5	74.4	74.6	74.3	72.9	73.0	72.1	67.6	69.5	75.6	73.5	74.7	77.2	78.9	79.2	24	89.3	67.6	77.9
1/17/08	75.4	72.9	77.2	78.2	75.8	78.9	81.8	84.1	83.8	82.2	75.1	67.8	61.5	65.3	70.8	78.6	85.8	88.2	88.4	90.1	93.9	93.9	89.9	87.5	24	93.9	61.5	80.3
1/18/08	83.9	84.3	84.4	82.7	78.4	80.1	77.0	74.8	74.8	71.4	69.8	67.3	64.1	61.4	58.3	57.9	58.4	62.9	65.7	68.6	70.6	71.5	69.4	70.6	24	84.4	57.9	71.2
1/19/08	70.6	72.0	74.2	75.9	75.5	76.3	77.4	78.0	77.0	74.8	73.9	71.4	68.4	64.9	61.3	58.7	60.6	70.1	73.4	76.2	78.3	81.0	81.8	83.6	24	83.6	58.7	73.1
1/20/08	84.4	83.9	86.5	85.9	83.9	83.2	84.1	82.8	82.2	80.2	81.3	74.8	73.7	72.3	72.6	74.9	78.4	81.8	83.1	84.6	85.8	86.2	86.7	87.1	24	87.1	72.3	81.7
1/21/08	87.8	87.6	87.7	87.8	87.5	87.1	86.7	86.8	86.9	85.9	82.6	81.0	79.5	77.0	75.0	71.9	71.8	73.7	76.2	76.3	80.0	79.2	78.5	80.4	24	87.8	71.8	81.5
1/22/08	81.1	80.8	77.4	74.2	72.5	76.8	77.9	74.8	71.8	65.1	59.3	56.7	57.4	57.8	60.0	61.5	73.6	84.3	87.0	88.1	91.8	94.1	93.6	93.8	24	94.1	56.7	75.5
1/23/08	93.4	92.6	91.5	89.8	88.4	87.3	86.1	86.0	85.5	84.2	81.6	77.1	74.6	71.8	70.7	72.4	71.3	74.9	78.3	80.8	79.6	80.7	81.7	83.1	24	93.4	70.7	81.8
1/24/08	83.7	83.0	82.5	83.7	82.9	81.3	81.4	81.3	83.5	84.5	85.2	76.1	64.3	57.8	55.8	58.6	67.0	76.6	80.3	80.7	82.1	83.8	85.6	86.0	24	86.0	55.8	77.8
1/25/08	87.1	89.6	89.3	88.4	89.0	88.6	88.3	87.4	87.6	84.9	78.9	74.1	75.3	79.0	84.9	82.3	80.9	83.2	83.8	84.7	83.2	83.5	79.8	78.7	24	89.6	74.1	83.9
1/26/08	77.3	79.2	82.7	84.2	81.6	83.1	84.4	84.6	77.7	67.5	61.8	57.4	55.2	53.1	51.3	53.4	55.0	62.2	68.5	70.8	72.3	79.0	79.2	78.9	24	84.6	51.3	70.9
1/27/08	73.6	77.5	81.6	85.8	84.2	84.6	83.9	83.0	80.3	74.7	71.2	63.6	57.0	52.6	53.5	54.2	62.0	71.6	75.5	75.4	70.3	66.1	66.8	64.2	24	85.8	52.6	71.4
1/28/08	66.2	62.5	59.5	62.7	63.6	64.6	65.7	64.2	67.3	72.6	71.5	68.7	66.3	65.1	58.4	59.5	75.8	83.0	78.3	72.6	69.9	68.5	72.3	75.1	24	83.0	58.4	68.1
1/29/08	67.3	64.2	59.8	61.9	60.2	59.3	58.7	59.9	59.9	59.1	57.2	56.3	54.4	51.8	48.9	46.8	46.2	50.4	56.9	58.3	60.7	63.9	64.6	61.8	24	67.3	46.2	57.9
1/30/08	58.1	61.2	61.6	64.4	60.6	55.3	54.6	55.2	54.5	52.9	48.4	46.3	44.8	42.7	42.6	43.5	44.3	52.0	57.4	63.8	69.4	75.6	76.7	76.8	24	76.8	42.6	56.8
1/31/08	78.5	78.7	79.9	81.5	83.2	84.0	84.9	85.3	84.9	83.0	75.0	65.2	57.2	50.8	47.8	46.6	52.1	63.0	70.1	76.9	81.6	80.8	82.6	82.3	24	85.3	46.6	73.2
hr max	95.0	94.9	95.0	95.3	95.4	95.6	95.9	96.1	96.3	96.5	96.9	97.7	98.3	98.6	98.0	94.0	92.4	95.3	96.9	94.3	94.8	94.6	95.0	94.9				
hr min	58.1	61.2	59.5	61.9	60.2	55.3	54.6	55.2	54.5	52.9	48.4	46.3	44.8	42.7	42.6	43.4	44.3	50.4	56.9	58.3	60.7	63.9	64.6	61.8				
average	81.1	81.1	80.9	81.9	81.4	81.2	81.7	81.5	80.9	77.9	73.8	69.6	66.9	64.4	63.1	63.3	67.1	74.1	78.4	80.0	80.7	81.2	81.4	81.8				

monthly	monthly	monthly
max hr	min hr	ave hr
98.6	42.6	76.5
1/15/08	1/30/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
January-08
in
Prcp

data channel in

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid hr count	daily max hr		daily total
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1/1/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/2/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/3/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/4/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/5/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/6/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/7/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/8/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/9/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/10/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/11/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/12/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/13/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/14/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/15/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/16/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/17/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/18/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/19/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/20/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/21/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/22/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/23/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/24/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/25/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/26/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/27/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/28/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/29/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/30/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
1/31/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
hr max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
hr min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

monthly max hr	monthly 24h max	monthly TOTAL
0.00	0.00	0.00
1/1/08	1/1/08	

Validated by: Roger L Thompson Date: 2/10/08
Analyst: Denise Hazelman Date: 2/10/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
mps
10WS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
2/1/08	5.7	5.3	5.0	4.6	4.8	5.3	4.8	5.1	4.5	3.8	5.3	4.1	3.8	4.5	3.3	3.5	3.5	3.4	2.5	3.4	3.9	3.8	4.0	4.0
2/2/08	4.2	2.4	3.1	1.7	1.0	1.7	1.3	0.8	1.1	1.3	1.7	1.7	1.9	2.5	2.1	3.2	4.1	3.3	3.3	3.9	3.2	3.3	2.4	2.9
2/3/08	2.9	2.9	2.5	1.9	1.1	0.8	0.9	1.3	2.1	2.4	2.6	3.0	4.8	6.2	5.4	6.6	6.2	4.7	5.5	8.1	8.4	7.4	9.0	8.4
2/4/08	5.3	5.6	5.8	5.5	5.3	4.9	4.4	4.8	4.3	3.9	2.7	2.2	1.5	2.3	3.8	7.2	8.0	8.9	9.4	9.1	8.9	8.8	8.7	7.4
2/5/08	6.3	5.7	7.4	6.2	5.9	5.1	5.9	5.8	5.7	5.7	4.9	4.0	3.0	3.3	3.2	3.5	3.1	2.7	1.8	0.5	0.6	0.8	1.8	2.6
2/6/08	3.1	3.3	3.7	3.8	3.5	2.8	3.8	3.4	4.0	5.0	5.4	7.1	6.1	5.6	4.9	4.6	3.5	3.4	3.3	3.1	3.2	3.9	5.0	5.4
2/7/08	4.8	5.6	6.7	7.1	5.9	5.0	4.8	5.1	5.3	4.5	1.2	1.6	3.4	4.0	3.6	3.8	4.1	3.7	5.0	6.0	5.5	4.7	2.7	2.0
2/8/08	1.5	1.9	1.9	2.3	2.7	3.8	2.0	4.5	3.9	4.1	5.4	6.3	6.1	6.6	5.5	3.2	3.3	2.9	3.4	3.8	4.3	5.0	4.9	5.9
2/9/08	7.5	9.6	11.9	12.7	13.4	15.3	14.6	11.5	11.3	11.8	12.4	12.1	11.8	9.8	10.6	10.6	11.0	9.9	10.5	10.8	9.2	10.4	10.8	11.3
2/10/08	10.8	10.6	10.5	9.7	8.3	7.8	8.2	6.5	5.2	4.6	3.2	1.9	1.2	1.6	3.1	4.9	6.4	6.9	8.7	9.1	8.8	9.4	9.2	9.6
2/11/08	9.3	9.3	9.8	9.0	9.4	8.2	8.0	7.2	7.0	7.3	7.2	6.3	5.6	4.9	4.1	3.4	3.1	2.5	1.8	1.3	1.3	1.2	1.0	1.8
2/12/08	2.4	2.4	2.5	3.3	3.0	3.5	4.2	4.1	4.0	4.8	6.2	6.0	6.4	6.7	6.7	6.1	5.7	4.9	5.4	4.7	5.5	4.7	3.1	2.3
2/13/08	1.5	1.8	2.1	2.7	3.1	3.2	4.4	6.5	6.9	8.0	8.3	9.3	9.9	8.4	6.9	4.6	3.8	3.9	1.9	1.1	2.0	2.1	4.1	6.5
2/14/08	6.5	7.5	9.4	9.4	8.2	8.0	8.7	9.4	8.0	6.0	3.7	3.5	4.3	3.4	2.8	2.4	2.0	0.9	0.6	0.9	3.1	3.9	4.8	4.7
2/15/08	4.7	4.4	4.4	5.0	7.4	7.2	7.9	8.1	7.7	7.7	7.8	6.8	7.3	7.6	7.6	7.0	6.2	5.9	5.1	6.0	6.1	5.3	5.4	5.6
2/16/08	5.7	4.8	4.8	5.1	5.3	6.4	5.0	4.5	4.3	4.0	6.1	5.3	4.6	6.1	7.5	6.6	5.7	5.7	7.4	8.1	8.4	8.4	8.1	8.4
2/17/08	7.1	8.2	7.4	9.2	10.3	9.1	7.4	8.3	9.8	12.1	13.5	13.6	11.4	11.8	14.0	17.5	15.1	13.1	9.7	8.6	5.4	5.8	6.0	7.5
2/18/08	10.9	9.3	7.5	8.0	7.8	8.4	8.2	6.2	7.2	10.2	10.0	9.9	8.7	8.5	8.2	7.7	6.6	4.7	1.8	2.2	1.4	1.1	3.2	4.7
2/19/08	4.6	4.5	4.7	4.6	4.5	4.1	4.6	4.1	3.7	5.4	5.2	8.1	9.6	8.9	8.3	8.9	8.7	7.1	6.0	5.1	5.6	6.5	5.7	4.7
2/20/08	5.3	4.3	4.4	3.4	2.8	2.7	2.7	2.8	3.5	4.2	5.3	6.5	7.5	7.7	8.0	8.2	8.4	8.3	7.2	7.0	6.7	6.9	6.4	6.8
2/21/08	6.4	6.1	5.3	5.1	4.7	3.9	1.9	1.8	3.4	4.6	3.1	2.7	2.6	2.9	3.3	3.7	3.8	3.7	3.6	4.7	4.6	5.1	5.1	5.2
2/22/08	4.8	4.6	4.6	4.2	4.0	2.4	0.8	1.3	1.6	2.4	3.6	4.4	3.8	3.8	3.0	2.9	2.8	2.6	3.2	2.9	2.6	1.9	1.6	2.4
2/23/08	3.4	4.7	4.7	3.4	2.8	1.7	1.7	1.1	1.7	1.6	2.9	3.9	3.8	3.5	3.3	3.1	3.1	2.9	3.1	2.8	1.9	1.2	1.2	1.1
2/24/08	1.4	2.5	2.4	2.4	3.4	2.7	3.0	3.7	3.1	2.6	2.1	2.2	3.5	4.4	3.5	3.1	2.6	2.0	1.4	1.5	0.7	1.3	1.1	2.1
2/25/08	1.8	3.7	4.9	5.2	6.3	8.2	8.5	9.3	9.6	10.5	9.2	8.9	9.4	9.7	9.4	9.2	9.6	8.6	6.7	6.5	5.9	4.4	4.8	5.4
2/26/08	5.2	6.6	7.8	8.6	8.7	7.2	7.6	7.3	6.7	7.0	7.0	7.6	7.6	7.4	7.8	7.6	7.2	4.9	2.9	1.4	1.3	2.2	2.8	3.9
2/27/08	4.7	4.3	4.9	4.6	3.0	3.0	1.5	1.7	1.9	2.1	3.3	3.7	2.7	3.3	3.2	3.6	3.8	2.7	3.1	3.1	3.8	4.1	4.4	4.9
2/28/08	4.8	5.2	6.2	6.3	5.9	5.6	6.4	6.0	5.3	5.3	8.1	8.3	9.5	10.8	10.6	8.3	6.0	5.4	4.8	4.9	7.0	8.9	7.9	6.3
2/29/08	5.9	6.8	7.7	7.9	8.2	7.7	6.3	6.8	7.8	8.8	8.6	8.7	9.4	8.9	7.1	4.9	4.1	2.3	1.9	4.0	4.7	5.1	5.2	5.7
hr max	10.9	10.6	11.9	12.7	13.4	15.3	14.6	11.5	11.3	12.1	13.5	13.6	11.8	11.8	14.0	17.5	15.1	13.1	10.5	10.8	9.2	10.4	10.8	11.3
hr min	1.4	1.8	1.9	1.7	1.0	0.8	0.8	0.8	1.1	1.3	1.2	1.6	1.2	1.6	2.1	2.4	2.0	0.9	0.6	0.5	0.6	0.8	1.0	1.1
average	5.1	5.3	5.7	5.6	5.5	5.4	5.2	5.1	5.2	5.6	5.7	5.9	5.9	6.0	5.9	5.9	5.6	4.9	4.5	4.6	4.6	4.7	4.8	5.2

valid hr count	daily max hr	daily min hr	daily ave hr
24	5.7	2.5	4.2
24	4.2	0.8	2.4
24	9.0	0.8	4.4
24	9.4	1.5	5.8
24	7.4	0.5	4.0
24	7.1	2.8	4.2
24	7.1	1.2	4.4
24	6.6	1.5	4.0
24	15.3	7.5	11.3
24	10.8	1.2	6.9
24	9.8	1.0	5.4
24	6.7	2.3	4.5
24	9.9	1.1	4.7
24	9.4	0.6	5.1
24	8.1	4.4	6.4
24	8.4	4.0	6.1
24	17.5	5.4	10.1
24	10.9	1.1	6.8
24	9.6	3.7	6.0
24	8.4	2.7	5.7
24	6.4	1.8	4.1
24	4.8	0.8	3.0
24	4.7	1.1	2.7
24	4.4	0.7	2.4
24	10.5	1.8	7.3
24	8.7	1.3	6.0
24	4.9	1.5	3.4
24	10.8	4.8	6.8
24	9.4	1.9	6.4
0			
0			

monthly max hr	monthly min hr	monthly ave hr
17.5	0.5	5.3
2/17/08	2/5/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
mps
50WS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid hr count	daily max hr	daily min hr	daily ave hr
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
2/1/08	7.7	7.3	6.7	6.8	8.0	10.1	8.9	7.9	7.0	6.6	5.8	4.8	3.9	4.8	3.6	3.8	3.8	5.4	5.5	6.8	7.9	7.1	6.2	6.5	24	10.1	3.6	6.4
2/2/08	7.1	5.4	5.2	3.6	1.0	2.1	1.9	1.0	1.1	1.3	1.6	1.5	1.9	2.4	2.2	3.5	4.7	5.4	6.4	5.0	3.8	3.8	3.0	3.4	24	7.1	1.0	3.3
2/3/08	3.4	3.5	3.0	2.4	1.9	1.7	1.7	3.2	4.4	4.5	3.8	3.7	4.5	6.9	6.0	7.2	7.3	7.9	11.0	12.6	12.3	10.6	12.7	11.6	24	12.7	1.7	6.2
2/4/08	7.0	7.5	7.6	7.5	6.8	6.5	5.7	6.2	5.3	4.7	3.1	2.2	1.0	0.1	1.1	8.0	9.1	10.3	10.9	10.6	10.4	10.1	10.1	8.4	24	10.9	0.1	6.7
2/5/08	7.5	7.4	8.9	7.8	6.9	5.6	6.5	6.5	6.5	6.2	5.0	4.1	3.1	3.4	3.5	3.8	3.4	3.3	3.0	2.4	1.7	0.6	1.2	3.4	24	8.9	0.6	4.7
2/6/08	4.4	6.4	7.2	7.6	7.5	7.9	9.5	9.0	8.3	6.5	6.0	8.1	7.2	6.2	4.7	4.7	3.7	6.5	5.7	5.4	6.2	6.1	7.2	8.7	24	9.5	3.7	6.7
2/7/08	8.3	9.4	9.3	9.8	9.3	8.6	8.4	9.3	9.2	7.3	2.0	2.0	3.7	4.6	4.1	4.2	5.9	6.2	8.2	9.8	10.0	9.5	7.3	4.9	24	10.0	2.0	7.1
2/8/08	3.7	2.8	3.4	4.1	5.6	6.6	4.8	6.8	5.2	5.2	6.2	7.0	6.9	7.1	6.1	3.5	3.7	4.6	4.9	4.3	6.5	7.6	8.8	10.8	24	10.8	2.8	5.7
2/9/08	11.7	12.6	14.3	14.7	15.9	18.0	17.5	13.8	13.2	13.3	13.9	13.8	12.9	10.8	11.7	11.7	12.3	11.2	12.1	12.8	10.8	12.3	12.7	13.0	24	18.0	10.8	13.2
2/10/08	12.4	12.2	12.0	11.0	9.5	8.9	9.5	7.3	5.7	5.0	3.5	2.2	1.2	1.9	3.5	5.6	7.6	8.6	10.9	11.4	11.0	11.7	11.5	12.0	24	12.4	1.2	8.2
2/11/08	11.8	11.7	12.4	11.3	11.7	10.1	10.1	9.1	8.6	9.0	8.9	7.6	6.9	5.8	4.9	3.7	3.4	2.8	2.1	1.5	1.5	1.4	1.2	2.5	24	12.4	1.2	6.7
2/12/08	3.2	3.1	3.4	4.2	4.3	5.0	6.7	8.2	7.8	8.5	7.9	7.1	7.5	8.0	7.9	7.1	7.0	7.6	8.3	7.3	8.9	7.8	5.5	3.5	24	8.9	3.1	6.5
2/13/08	2.4	1.7	1.7	4.5	6.2	6.7	7.8	9.2	9.0	9.6	9.6	11.6	12.0	10.1	8.1	5.4	4.5	5.4	2.7	1.3	3.0	2.8	5.6	8.3	24	12.0	1.3	6.2
2/14/08	8.1	9.0	10.8	10.7	9.2	8.7	9.5	10.4	8.7	6.7	3.7	3.6	4.5	3.6	2.9	2.6	2.1	1.3	0.8	1.3	4.1	5.5	6.3	6.2	24	10.8	0.8	5.8
2/15/08	5.4	6.7	5.1	7.3	11.8	12.4	13.7	13.6	12.9	11.8	10.1	8.7	8.9	8.8	9.0	8.2	8.1	9.0	7.9	8.9	10.2	10.5	10.5	10.8	24	13.7	5.1	9.6
2/16/08	10.5	10.7	9.7	8.6	8.9	11.4	9.0	8.5	8.5	7.0	7.5	6.4	5.9	7.3	8.9	8.8	8.2	8.8	10.1	10.7	11.0	10.8	10.8	11.1	24	11.4	5.9	9.1
2/17/08	9.7	10.6	9.8	11.6	12.6	11.9	10.9	11.1	11.9	14.0	15.9	15.7	13.0	13.7	16.2	20.3	17.8	15.6	12.1	11.0	8.5	8.5	8.8	9.9	24	20.3	8.5	12.5
2/18/08	13.1	11.6	9.2	9.7	9.6	10.5	10.3	8.4	8.6	11.3	10.9	11.0	9.4	9.3	8.9	8.4	7.3	5.5	4.2	3.7	2.5	1.4	1.8	5.3	24	13.1	1.4	8.0
2/19/08	7.6	8.1	9.0	7.9	7.8	7.2	7.6	6.8	5.6	6.7	5.7	9.2	10.9	10.2	9.6	10.2	10.3	9.0	8.7	7.4	7.7	8.4	7.6	6.1	24	10.9	5.6	8.1
2/20/08	6.8	5.4	5.6	4.0	3.3	3.4	3.2	3.2	4.0	4.6	6.1	7.3	8.7	8.9	9.5	9.8	10.0	10.2	8.9	8.7	8.3	8.7	7.9	8.5	24	10.2	3.2	6.9
2/21/08	7.9	7.5	6.5	5.9	5.6	4.1	3.0	3.3	5.1	5.0	3.6	2.9	2.8	3.2	3.6	4.1	4.2	4.5	5.1	5.9	7.1	7.9	6.9	7.0	24	7.9	2.8	5.1
2/22/08	6.8	5.9	5.2	3.4	2.5	1.5	1.7	2.0	3.0	2.7	3.8	4.7	4.0	4.3	3.5	3.2	3.1	3.1	4.4	4.0	3.0	2.3	2.8	4.2	24	6.8	1.5	3.5
2/23/08	5.6	7.9	7.3	4.3	3.8	3.7	3.1	4.4	5.0	2.5	3.2	4.2	4.2	4.0	3.7	3.4	3.4	3.8	5.1	5.1	4.5	4.7	4.5	4.1	24	7.9	2.5	4.4
2/24/08	3.3	4.4	5.4	5.7	6.2	4.8	4.8	4.9	3.7	3.5	2.2	2.4	3.7	4.9	3.7	3.3	2.9	2.2	1.7	1.4	0.9	2.1	2.7	4.3	24	6.2	0.9	3.5
2/25/08	3.5	6.4	7.0	7.6	8.2	10.1	10.3	10.7	11.3	12.7	11.3	10.7	10.9	11.4	11.2	10.7	11.1	10.6	9.2	9.3	9.2	6.9	7.8	8.9	24	12.7	3.5	9.5
2/26/08	8.8	10.2	9.7	10.2	10.2	8.4	8.7	8.5	7.8	7.9	7.7	8.2	8.2	8.0	8.6	8.6	8.2	6.4	5.3	3.5	1.7	0.5	1.6	3.6	24	10.2	0.5	7.1
2/27/08	6.0	7.2	7.8	8.0	5.7	4.8	3.9	3.4	2.7	2.2	3.7	4.2	3.0	3.8	3.7	4.1	4.5	4.0	3.7	4.5	6.4	6.0	5.9	6.0	24	8.0	2.2	4.8
2/28/08	5.8	6.5	8.5	7.9	6.9	6.7	9.2	8.8	7.6	6.8	9.0	9.2	10.3	11.8	12.0	9.3	7.0	7.1	8.3	7.7	9.4	11.2	10.3	9.0	24	12.0	5.8	8.6
2/29/08	8.9	9.9	11.0	10.9	11.3	10.8	9.1	9.9	10.0	10.0	9.5	9.5	10.4	9.6	7.8	5.4	4.5	2.8	1.7	4.4	7.6	9.9	9.1	9.6	24	11.3	1.7	8.5
																									0			
																									0			
hr max	13.1	12.6	14.3	14.7	15.9	18.0	17.5	13.8	13.2	14.0	15.9	15.7	13.0	13.7	16.2	20.3	17.8	15.6	12.1	12.8	12.3	12.3	12.7	13.0				
hr min	2.4	1.7	1.7	2.4	1.0	1.5	1.7	1.0	1.1	1.3	1.6	1.5	1.0	0.1	1.1	2.6	2.1	1.3	0.8	1.3	0.9	0.5	1.2	2.5				
average	7.2	7.6	7.7	7.6	7.5	7.5	7.5	7.4	7.2	7.0	6.6	6.7	6.6	6.7	6.6	6.6	6.5	6.5	6.5	6.5	6.8	6.8	6.8	7.3				

monthly max hr	monthly min hr	monthly ave hr
20.3	0.1	7.0
2/17/08	2/4/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
mps
100WS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	10.1	10.1	12.7	11.8	11.8	10.6	8.7	7.5	6.5	7.9	7.3	6.5	4.5	4.9	3.7	4.0	4.0	6.1	6.4	8.3	8.9	8.9	7.9	7.9	24	12.70	3.70	7.79
2/2/08	7.5	6.1	5.7	4.2	1.3	1.6	1.9	1.3	1.2	1.1	1.4	1.3	1.6	1.9	1.9	3.1	4.7	5.9	7.1	5.7	3.8	4.1	4.2	4.0	24	7.5	1.1	3.4
2/3/08	3.6	3.4	3.0	2.1	1.8	2.8	3.8	5.5	8.3	11.6	8.6	6.2	6.1	7.2	6.7	7.6	6.9	7.7	10.1	15.0	12.3	10.8	12.6	12.0	24	15.0	1.8	7.3
2/4/08	7.7	8.6	8.7	8.6	7.9	7.5	7.0	7.1	5.9	5.1	3.2	2.0	0.2	0.1	0.1	0.1	0.1	6.9	11.0	10.7	10.6	10.1	10.3	8.9	24	11.0	0.1	6.2
2/5/08	8.1	8.8	9.8	8.2	6.8	5.7	6.6	6.4	6.3	5.7	4.7	3.6	2.7	3.0	3.1	3.6	3.2	3.2	2.7	2.2	1.2	0.5	1.6	3.4	24	9.8	0.5	4.6
2/6/08	4.9	6.2	6.5	7.2	7.3	7.8	9.0	9.4	9.7	10.5	10.5	8.8	7.2	6.3	4.7	4.1	4.0	7.0	6.2	6.1	6.7	7.7	8.6	9.7	24	10.5	4.0	7.3
2/7/08	9.9	11.8	11.9	12.4	11.7	10.8	9.9	9.3	8.1	6.9	2.2	1.9	3.8	4.7	4.3	4.0	6.3	7.8	10.8	10.8	12.1	11.8	8.8	6.3	24	12.4	1.9	8.3
2/8/08	5.0	6.2	5.1	7.0	7.4	9.0	6.8	9.1	7.2	6.4	6.5	7.3	7.2	7.4	6.2	3.7	3.9	5.2	5.2	4.6	7.5	9.0	11.2	13.8	24	13.8	3.7	7.0
2/9/08	14.7	15.3	15.6	15.5	17.3	19.6	19.3	15.3	14.5	14.0	14.5	14.4	13.3	11.4	12.0	12.2	12.8	11.9	13.0	13.7	11.9	13.2	13.6	13.8	24	19.6	11.4	14.3
2/10/08	13.1	12.8	12.7	11.7	10.0	9.4	10.0	7.7	5.8	5.1	3.6	2.3	1.1	1.9	3.4	5.5	7.7	8.8	11.3	11.9	11.6	12.1	12.1	12.7	24	13.1	1.1	8.5
2/11/08	12.9	12.4	13.4	12.0	12.5	10.8	10.5	9.7	8.9	9.4	9.1	7.9	7.2	6.1	5.2	4.4	3.9	2.9	2.1	1.5	1.6	1.5	1.2	2.8	24	13.4	1.2	7.1
2/12/08	3.8	3.7	4.0	5.1	4.5	4.9	5.7	7.3	7.4	9.1	9.3	7.7	8.1	8.1	8.1	7.5	7.6	8.0	9.8	9.8	10.5	9.2	7.5	5.2	24	10.5	3.7	7.2
2/13/08	3.0	1.6	1.8	4.8	7.0	8.0	10.3	11.6	11.8	11.1	10.4	12.7	13.0	10.7	8.5	5.7	4.7	6.2	3.7	1.3	2.7	3.1	5.1	6.5	24	13.0	1.3	6.9
2/14/08	7.0	7.8	9.0	9.0	8.0	7.6	8.3	8.9	7.5	5.8	2.9	2.7	3.4	2.7	2.2	2.1	1.7	1.1	0.4	1.7	4.0	5.6	5.9	6.3	24	9.0	0.4	5.1
2/15/08	5.7	5.3	5.6	7.3	11.1	12.1	14.5	15.6	13.6	12.1	13.5	10.6	10.4	9.9	10.2	8.9	8.4	8.8	9.3	10.6	11.0	10.6	11.6	13.7	24	15.6	5.3	10.4
2/16/08	12.8	12.4	11.4	9.9	9.9	12.3	11.4	9.1	8.8	8.8	8.3	8.1	7.9	9.0	11.4	11.4	10.6	11.0	12.2	12.9	13.2	12.8	12.9	13.4	24	13.4	7.9	10.9
2/17/08	12.1	12.8	12.1	13.6	14.5	14.3	14.0	13.7	13.5	15.2	17.0	16.7	13.7	14.6	17.9	21.8	19.1	17.1	14.0	13.2	11.5	11.4	11.3	12.2	24	21.8	11.3	14.5
2/18/08	14.5	13.2	10.8	11.0	11.1	12.0	12.0	9.9	9.9	11.6	11.2	11.4	9.8	9.6	9.1	8.7	7.6	5.9	5.1	4.2	2.8	1.7	2.8	5.6	24	14.5	1.7	8.8
2/19/08	7.9	9.3	9.5	9.6	9.2	8.6	8.4	9.0	9.1	8.8	6.0	9.5	11.3	10.5	10.0	10.7	10.9	10.0	10.0	9.1	8.9	9.1	8.1	6.6	24	11.3	6.0	9.2
2/20/08	7.0	4.8	5.2	4.6	3.3	3.4	3.3	3.2	4.0	4.7	5.9	7.0	8.4	9.1	9.7	10.1	10.3	10.6	9.5	9.4	8.9	9.2	7.9	8.6	24	10.6	3.2	7.0
2/21/08	7.9	7.0	5.7	5.0	4.9	4.2	5.0	5.8	7.1	5.7	3.5	2.9	2.8	3.1	3.5	4.1	4.2	4.6	5.3	6.4	8.1	7.4	6.5	6.2	24	8.1	2.8	5.3
2/22/08	5.9	5.0	3.3	1.4	1.2	0.8	1.2	2.7	3.1	4.0	3.4	3.7	3.7	4.4	3.6	3.3	3.2	3.4	4.5	4.5	4.5	3.1	5.0	6.3	24	6.3	0.8	3.6
2/23/08	5.1	6.5	3.4	3.5	2.9	3.2	3.8	3.7	5.9	5.8	4.2	4.3	4.2	4.1	3.7	3.5	3.5	3.8	4.8	4.6	4.4	4.7	3.7	4.1	24	6.5	2.9	4.2
2/24/08	4.0	5.4	6.1	6.5	6.5	5.2	4.3	4.7	3.7	3.1	2.7	2.5	3.6	4.9	3.7	3.2	2.9	2.3	1.9	1.3	0.7	2.2	3.1	4.8	24	6.5	0.7	3.7
2/25/08	5.9	7.7	7.2	7.7	8.9	10.7	10.4	10.5	10.0	10.3	9.5	9.7	11.2	11.8	11.6	11.3	11.7	11.4	11.0	11.7	11.4	8.6	10.3	11.7	24	11.8	5.9	10.1
2/26/08	12.0	13.0	11.4	11.3	11.0	9.2	9.5	9.2	8.3	8.2	8.0	8.4	8.3	8.3	8.9	8.9	8.5	7.4	6.7	4.3	2.6	0.8	1.1	3.7	24	13.0	0.8	7.9
2/27/08	5.8	7.6	8.1	9.0	8.0	6.6	6.4	5.9	4.9	3.0	3.7	4.3	3.2	3.9	3.9	4.3	4.7	4.4	4.2	5.4	6.0	6.8	7.7	10.1	24	10.1	3.0	5.7
2/28/08	10.6	7.0	8.2	8.3	8.3	10.0	12.7	11.3	9.9	8.3	9.5	9.4	10.7	12.2	12.6	9.9	7.5	8.4	9.7	9.7	11.4	13.0	12.4	11.7	24	13.0	7.0	10.1
2/29/08	11.6	12.8	13.7	13.5	14.1	13.9	11.7	13.2	13.0	11.0	9.8	9.9	10.8	10.0	8.0	5.7	4.6	3.0	1.5	3.6	6.9	11.9	13.5	14.5	24	14.5	1.5	10.1
																									0			
																									0			
hr max	14.7	15.3	15.6	15.5	17.3	19.6	19.3	15.6	14.5	15.2	17.0	16.7	13.7	14.6	17.9	21.8	19.1	17.1	14.0	15.0	13.2	13.2	13.6	14.5				
hr min	3.0	1.6	1.8	1.4	1.2	0.8	1.2	1.3	1.2	1.1	1.4	1.3	0.2	0.1	0.1	0.1	0.1	1.1	0.4	1.3	0.7	0.5	1.1	2.8				
average	8.3	8.4	8.3	8.3	8.3	8.4	8.5	8.4	8.1	7.9	7.3	7.0	6.9	7.0	6.8	6.7	6.5	6.9	7.2	7.4	7.5	7.6	7.9	8.5				

monthly	monthly	monthly
max hr	min hr	ave hr
21.8	0.1	7.7
2/17/08	2/4/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
Deg
10mWD

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count
2/1/08	165	166	166	169	172	181	187	202	216	236	274	295	308	327	336	350	350	10	350	353	358	1	356	7	24
2/2/08	348	344	351	36	187	209	235	268	209	190	178	162	173	169	164	151	133	123	126	129	134	139	130	126	24
2/3/08	121	133	133	130	114	102	151	170	178	181	187	182	176	181	176	172	164	160	153	144	160	161	159	159	24
2/4/08	152	144	140	127	118	109	99	100	96	95	87	67	40	0	345	331	335	330	333	342	343	338	339	344	24
2/5/08	345	344	347	356	357	350	344	352	357	0	354	4	358	348	351	336	331	337	2	38	6	113	150	172	24
2/6/08	189	187	186	198	186	184	184	182	190	191	193	198	188	184	170	170	171	198	213	215	200	217	213	222	24
2/7/08	233	278	327	335	330	311	299	292	297	306	322	262	206	188	191	163	153	145	135	151	148	147	140	115	24
2/8/08	147	181	193	230	254	283	344	311	292	302	330	319	329	319	311	303	285	263	254	218	229	220	223	253	24
2/9/08	280	305	321	327	332	331	334	330	333	334	336	338	332	322	319	316	322	323	325	325	322	322	326	325	24
2/10/08	325	324	332	334	346	343	344	342	332	332	329	327	317	166	161	146	146	136	129	128	125	121	122	120	24
2/11/08	129	126	131	128	133	127	133	131	119	121	124	123	103	93	89	63	61	53	39	25	359	323	260	248	24
2/12/08	254	254	245	251	258	250	249	246	231	225	221	216	216	218	220	229	231	226	249	280	302	323	340	330	24
2/13/08	340	274	170	158	149	151	129	145	138	134	131	132	131	132	125	114	103	118	169	52	38	68	36	44	24
2/14/08	33	20	3	358	356	351	351	348	349	344	325	312	319	315	315	317	335	359	25	176	187	195	193	199	24
2/15/08	187	189	193	195	195	197	191	200	200	205	211	223	234	239	242	240	237	228	212	220	224	222	219	229	24
2/16/08	225	216	209	198	187	189	208	202	205	211	232	240	241	262	285	286	281	290	323	331	332	332	328	334	24
2/17/08	336	342	340	331	337	327	316	322	323	326	337	336	325	323	331	330	340	338	342	335	334	326	323	321	24
2/18/08	340	346	338	343	340	339	332	319	322	326	320	329	326	333	334	336	338	343	336	331	306	284	210	202	24
2/19/08	204	212	218	230	230	227	229	229	267	314	323	349	352	356	1	358	358	7	16	23	25	31	31	32	24
2/20/08	36	47	45	59	77	80	104	127	124	132	152	155	154	144	144	142	140	145	147	148	141	142	145	154	24
2/21/08	150	154	152	158	160	167	162	181	194	214	239	249	255	253	242	236	240	236	231	227	220	220	225	225	24
2/22/08	229	238	237	226	229	252	311	72	95	133	157	157	168	187	196	188	177	171	181	181	137	117	136	166	24
2/23/08	171	183	184	173	176	66	38	79	68	22	105	118	118	116	103	98	102	107	102	70	110	116	95	138	24
2/24/08	180	218	233	252	256	267	255	262	237	254	268	269	265	251	261	257	260	254	264	207	267	36	102	55	24
2/25/08	8	43	50	46	31	13	9	6	2	1	0	358	358	355	356	350	347	351	337	329	324	313	310	310	24
2/26/08	311	313	327	340	339	340	337	334	332	318	313	313	307	311	323	324	326	340	335	342	300	238	225	225	24
2/27/08	229	239	271	311	356	344	22	10	28	117	189	210	230	249	232	225	212	185	162	163	162	165	168	172	24
2/28/08	173	163	162	165	169	174	182	203	215	251	299	315	320	321	323	335	347	345	333	347	347	343	327	311	24
2/29/08	284	281	285	283	293	288	276	274	285	292	299	304	309	309	312	311	292	266	170	132	132	128	120	130	24
																									0
																									0

Validated by:	Roger L Thompson	Date: 3/10/08
Analyst:	Denise Hazelman	Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
Deg
50mWD

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count
2/1/08	169	167	168	174	177	185	196	223	253	260	278	297	308	325	337	350	350	13	353	356	8	9	356	11	24
2/2/08	2	12	12	27	123	200	236	266	217	185	173	160	174	170	169	152	137	128	129	131	137	142	135	129	24
2/3/08	123	135	136	133	138	146	162	178	188	185	189	182	175	181	178	173	165	162	156	145	159	161	159	159	24
2/4/08	154	146	142	129	120	112	102	102	98	97	90	69	40	358	343	331	334	329	331	341	341	337	339	341	24
2/5/08	343	342	345	355	355	348	342	350	355	358	354	1	359	348	350	336	333	343	21	43	32	58	160	179	24
2/6/08	180	183	189	201	194	194	192	187	191	189	193	200	192	183	170	171	171	190	193	200	206	222	216	232	24
2/7/08	249	294	330	334	332	325	315	306	310	313	333	237	203	189	190	164	154	150	139	151	150	149	146	140	24
2/8/08	155	175	193	233	265	294	323	311	297	305	328	318	327	318	311	299	284	273	264	238	243	239	247	267	24
2/9/08	285	305	320	326	330	330	331	329	330	332	335	336	330	321	318	316	321	322	324	324	321	322	324	324	24
2/10/08	324	323	330	332	343	341	342	340	331	330	328	328	353	172	160	148	147	136	131	130	126	126	125	122	24
2/11/08	131	127	132	129	135	129	135	133	121	122	125	124	103	95	91	64	62	53	40	25	358	326	272	251	24
2/12/08	255	257	249	254	258	252	257	254	240	230	225	221	219	217	220	230	233	240	279	323	321	332	351	354	24
2/13/08	4	334	134	144	153	155	137	145	141	137	136	134	132	134	126	115	106	120	164	93	44	69	38	44	24
2/14/08	34	20	2	356	354	349	350	346	346	341	322	309	318	313	314	317	332	351	25	166	203	215	208	213	24
2/15/08	213	209	212	205	196	197	192	197	201	208	215	227	235	240	242	241	238	232	231	237	240	234	237	241	24
2/16/08	236	229	227	218	202	188	199	199	203	211	233	243	244	266	287	287	284	293	323	330	331	331	329	332	24
2/17/08	333	339	338	330	336	327	318	322	322	325	335	353	357	0	345	1	8	8	356	332	335	329	326	322	24
2/18/08	336	342	336	340	337	335	329	321	321	323	319	326	323	329	330	332	334	339	345	346	342	332	216	202	24
2/19/08	205	224	229	236	243	240	244	248	274	314	320	352	21	17	4	21	18	352	14	23	25	29	31	31	24
2/20/08	34	45	45	57	75	77	104	129	125	134	150	154	153	144	144	142	140	146	149	149	142	143	146	153	24
2/21/08	150	154	153	158	159	165	162	172	196	212	236	244	251	249	239	232	237	235	233	233	231	223	236	237	24
2/22/08	238	257	274	275	282	324	2	59	97	137	156	158	169	185	193	185	176	170	179	182	179	163	164	174	24
2/23/08	174	180	182	176	174	150	129	133	111	76	107	114	116	114	102	98	100	107	107	91	121	138	135	154	24
2/24/08	177	217	244	260	289	296	287	302	289	264	269	269	264	247	258	254	259	253	254	230	317	33	53	66	24
2/25/08	58	51	49	45	30	12	8	5	1	2	358	356	356	353	355	347	344	347	335	329	330	324	315	314	24
2/26/08	313	313	325	336	335	337	334	331	329	318	311	311	305	309	321	322	324	336	340	7	351	295	202	215	24
2/27/08	224	245	290	329	349	357	31	56	59	122	190	209	228	246	232	224	212	191	166	165	162	165	167	171	24
2/28/08	172	163	161	163	167	173	180	202	217	253	298	313	318	318	321	331	342	340	332	344	343	340	326	313	24
2/29/08	290	283	287	285	293	291	279	277	284	289	297	302	306	307	309	307	289	266	186	135	125	125	123	135	24
																									0
																									0

Validated by:	Roger L Thompson	Date: 3/10/08
Analyst:	Denise Hazelman	Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
Deg
100WD

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count
2/1/08	178	180	187	195	194	212	228	251	269	280	299	317	324	329	344	358	358	17	358	9	23	21	9	20	24
2/2/08	16	28	24	33	74	197	265	278	239	194	176	169	183	177	179	161	147	138	139	140	145	150	147	139	24
2/3/08	131	142	146	160	178	186	190	194	201	200	203	192	183	186	185	179	171	169	167	155	165	166	165	164	24
2/4/08	160	151	149	137	128	120	110	108	104	103	96	73	35	359	347	338	339	334	336	345	344	341	341	344	24
2/5/08	347	347	350	1	2	352	347	356	2	4	1	8	4	355	355	342	338	350	18	37	13	111	203	197	24
2/6/08	200	202	211	218	210	206	198	194	193	190	194	201	200	187	177	175	175	190	194	207	219	230	230	252	24
2/7/08	281	313	340	341	341	342	336	323	320	321	317	245	205	196	197	172	159	157	148	162	161	162	162	164	24
2/8/08	175	195	222	255	293	315	328	323	310	313	331	321	329	322	316	302	287	280	275	252	260	258	266	286	24
2/9/08	297	311	325	330	333	333	334	332	334	336	339	341	334	325	322	320	325	326	328	328	325	326	328	327	24
2/10/08	327	327	334	336	346	346	347	345	335	334	334	335	40	178	165	155	152	141	136	133	131	129	129	126	24
2/11/08	137	134	138	135	141	136	141	140	128	128	131	131	111	104	99	72	70	61	50	34	359	329	281	263	24
2/12/08	275	273	263	269	275	267	257	253	239	238	237	238	239	227	233	245	262	283	311	342	338	344	5	12	24
2/13/08	25	13	133	143	157	161	145	151	148	145	144	142	139	141	133	123	114	129	165	115	48	81	46	50	24
2/14/08	38	25	7	2	0	354	355	351	352	347	326	312	323	317	321	320	331	339	23	213	217	227	230	247	24
2/15/08	256	233	242	225	199	196	205	215	222	230	237	240	245	248	252	250	257	256	255	255	252	249	248	248	24
2/16/08	245	241	234	221	209	197	211	220	228	239	246	265	263	282	299	298	296	305	329	337	336	337	335	338	24
2/17/08	338	345	343	336	341	333	326	328	327	331	339	339	328	325	333	332	342	341	342	338	344	340	337	332	24
2/18/08	342	349	342	347	344	341	337	332	329	329	325	331	330	334	336	337	339	343	350	351	347	307	243	235	24
2/19/08	229	241	243	251	259	268	268	274	295	324	329	352	356	359	5	1	3	10	19	30	31	36	38	38	24
2/20/08	40	52	53	68	83	83	110	139	134	144	155	161	159	151	151	149	147	153	156	156	150	150	154	159	24
2/21/08	157	162	162	166	167	174	181	199	216	225	246	248	254	252	244	237	241	243	242	252	261	252	273	275	24
2/22/08	272	288	290	249	264	333	86	127	135	155	165	168	178	190	197	191	184	179	189	190	195	177	182	184	24
2/23/08	181	186	178	173	173	149	147	131	125	125	123	121	125	122	113	108	108	115	129	128	159	163	165	193	24
2/24/08	218	250	265	284	303	310	310	329	325	297	278	278	275	254	264	263	266	260	269	235	246	36	56	64	24
2/25/08	64	60	58	51	37	20	15	11	6	6	6	2	3	359	0	353	350	353	341	338	342	336	328	329	24
2/26/08	329	324	332	342	341	343	340	337	334	323	316	317	311	314	325	327	330	342	348	12	7	50	193	234	24
2/27/08	240	259	306	349	3	19	58	83	91	130	196	215	235	250	237	231	219	203	179	177	173	174	177	181	24
2/28/08	183	176	171	173	176	181	192	208	233	271	305	318	323	323	327	337	347	345	339	353	350	348	333	323	24
2/29/08	304	297	298	296	302	301	292	292	296	297	303	307	311	312	315	314	295	272	199	148	138	135	137	145	24
																									0
																									0

Validated by:	Roger L Thompson	Date:	3/10/08
Analyst:	Denise Hazelman	Date:	3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
Deg
10sigT

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid hr count	daily max hr	daily min hr	daily ave hr
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
2/1/08	5.9	5.7	6.0	4.8	5.1	5.6	5.7	2.8	4.8	8.1	6.9	7.2	8.0	7.8	9.7	12.1	12.1	5.6	5.4	5.8	5.8	9.3	8.0	6.7	24	12.1	2.8	6.9
2/2/08	4.4	15.1	4.8	16.7	19.2	12.9	11.0	19.4	41.5	21.2	15.9	18.8	21.9	12.0	19.5	12.2	10.1	6.3	6.1	7.6	8.2	8.8	8.5	7.6	24	41.5	4.4	13.7
2/3/08	8.4	7.8	8.3	7.3	8.8	9.5	9.9	5.9	4.9	7.5	9.2	8.4	9.9	9.5	12.4	9.1	6.7	4.5	5.5	6.2	6.4	6.4	6.4	6.8	24	12.4	4.5	7.7
2/4/08	7.5	6.8	7.1	7.2	6.4	7.3	7.8	7.0	7.2	7.7	8.5	8.9	10.5	9.4	6.8	4.8	5.2	4.8	5.0	5.3	5.4	6.3	5.4	5.6	24	10.5	4.8	6.8
2/5/08	5.3	5.2	5.2	5.7	5.6	6.5	5.5	5.5	6.1	6.4	6.8	9.7	18.0	13.3	14.4	8.3	11.6	3.2	6.5	35.9	23.9	9.9	5.1	2.9	24	35.9	2.9	9.4
2/6/08	4.8	3.6	3.8	5.1	5.0	3.8	5.6	6.4	8.7	8.2	8.6	8.8	8.6	9.2	8.4	9.8	7.5	9.8	4.5	5.0	8.0	6.2	6.2	5.0	24	9.8	3.6	6.7
2/7/08	5.0	6.8	4.9	4.3	4.1	3.4	2.7	3.6	3.6	4.6	32.9	21.2	13.6	11.6	12.4	9.1	6.2	7.3	8.0	6.2	6.1	6.4	8.4	27.9	24	32.9	2.7	9.2
2/8/08	16.3	10.2	16.2	7.6	7.7	8.8	11.9	5.6	7.7	6.9	6.9	8.7	8.8	8.2	9.1	16.0	11.9	7.1	5.2	4.6	3.6	2.9	3.7	6.2	24	16.3	2.9	8.4
2/9/08	5.3	4.9	6.1	5.5	6.0	6.0	6.2	7.1	7.0	6.5	7.1	7.7	8.4	8.8	7.3	6.9	7.8	6.9	6.0	5.8	6.5	6.0	6.1	5.9	24	8.8	4.9	6.6
2/10/08	6.5	5.8	6.2	7.1	6.3	6.3	6.5	7.1	7.9	9.6	15.1	34.3	52.3	54.0	18.2	12.7	8.1	7.4	7.7	6.9	7.1	6.9	7.0	7.1	24	54.0	5.8	13.1
2/11/08	7.2	7.3	7.3	7.3	6.8	7.9	7.0	7.5	7.8	7.2	7.5	8.0	8.6	7.9	8.1	9.2	9.7	12.5	10.4	10.7	6.9	5.9	8.8	5.2	24	12.5	5.2	8.0
2/12/08	4.8	4.7	6.2	5.4	4.1	3.5	2.4	3.3	2.9	6.0	5.9	6.1	6.0	6.3	6.3	6.3	5.4	6.3	4.8	5.3	3.8	4.0	12.9	12.3	24	12.9	2.4	5.6
2/13/08	16.7	23.2	9.1	4.4	7.0	5.3	7.0	6.7	6.0	6.3	6.7	6.8	6.9	6.5	8.1	9.7	8.3	7.9	32.7	19.9	12.6	9.9	8.8	7.2	24	32.7	4.4	10.2
2/14/08	7.7	7.3	5.5	6.0	5.7	5.6	5.1	5.5	5.4	6.6	9.9	12.0	9.5	9.8	11.4	10.7	9.5	12.6	12.2	29.6	3.6	3.1	4.5	2.7	24	29.6	2.7	8.4
2/15/08	3.9	3.3	4.1	5.6	7.1	6.4	6.7	6.2	6.4	5.9	5.2	6.8	5.9	5.7	5.5	5.2	6.0	4.4	2.7	2.7	2.5	2.8	2.6	2.2	24	7.1	2.2	4.8
2/16/08	3.2	4.3	3.7	3.8	4.4	7.2	5.9	6.4	7.6	8.8	7.0	6.2	8.9	6.7	4.7	4.3	5.1	5.4	5.1	4.7	5.2	5.0	4.6	4.6	24	8.9	3.2	5.5
2/17/08	5.6	5.5	5.7	5.3	5.3	4.9	4.4	4.8	4.9	5.7	6.3	6.1	6.2	9.4	7.9	5.6	6.2	5.6	5.6	5.2	4.8	5.3	4.6	5.1	24	9.4	4.4	5.7
2/18/08	5.6	5.7	5.4	6.0	5.2	4.6	4.4	5.0	5.7	5.4	6.1	7.0	8.1	8.2	8.1	8.4	7.9	5.6	11.9	7.3	7.4	9.1	7.4	2.5	24	11.9	2.5	6.6
2/19/08	4.2	4.0	6.3	5.7	5.5	5.6	5.0	5.7	10.1	8.1	7.3	9.0	7.7	8.8	8.0	6.9	6.9	6.2	7.2	7.5	7.2	7.7	7.8	8.5	24	10.1	4.0	7.0
2/20/08	7.7	8.2	7.6	9.3	10.7	9.5	11.2	8.1	10.4	10.9	9.9	10.2	9.9	9.6	9.1	8.8	8.0	7.6	6.7	6.7	6.8	7.0	7.1	6.7	24	11.2	6.7	8.7
2/21/08	7.0	7.3	7.1	6.8	7.6	7.7	5.8	5.6	8.6	8.2	13.1	15.2	18.6	13.8	8.7	9.8	7.8	7.0	3.2	1.8	3.7	3.3	2.1	2.5	24	18.6	1.8	7.6
2/22/08	3.7	2.9	2.5	2.4	2.8	9.0	24.5	8.0	16.1	12.4	9.6	8.4	12.7	13.6	16.2	16.2	10.8	6.4	1.3	2.2	17.9	10.0	8.7	3.2	24	24.5	1.3	9.2
2/23/08	2.6	2.6	2.4	2.4	4.3	12.6	12.6	23.8	28.6	32.7	15.1	11.0	12.8	12.7	17.1	16.0	10.1	6.1	5.3	7.5	11.1	21.1	17.9	10.9	24	32.7	2.4	12.5
2/24/08	5.9	8.0	15.8	10.9	6.0	6.9	7.7	14.1	6.7	8.8	13.2	16.5	11.2	6.9	8.3	11.4	13.3	6.7	22.1	14.0	23.4	9.9	35.3	10.7	24	35.3	5.9	12.2
2/25/08	21.3	8.8	7.5	6.9	8.4	7.4	6.8	6.6	6.6	6.6	6.5	7.3	7.8	7.4	7.7	9.4	7.0	6.2	5.2	4.8	4.2	3.1	3.6	4.4	24	21.3	3.1	7.1
2/26/08	4.9	4.9	5.7	6.8	5.7	6.3	6.7	6.2	7.7	8.0	9.5	8.5	8.9	8.9	10.0	8.0	8.6	6.5	4.6	5.5	9.5	10.7	2.1	2.9	24	10.7	2.1	7.0
2/27/08	2.9	3.7	4.1	4.7	9.7	6.9	17.9	7.8	14.9	14.9	15.9	13.7	24.3	21.8	17.0	14.4	10.3	7.1	4.3	5.7	5.8	5.9	6.2	5.9	24	24.3	2.9	10.2
2/28/08	6.2	5.7	6.5	6.0	6.0	6.6	7.4	7.0	6.8	8.2	7.1	8.0	8.3	6.5	6.4	8.7	7.6	5.8	4.7	6.0	5.6	6.2	5.2	5.4	24	8.7	4.7	6.6
2/29/08	5.6	5.4	5.1	5.3	5.0	5.3	5.6	5.7	5.5	6.1	6.2	6.8	8.6	8.6	9.8	11.2	12.9	8.9	11.3	4.5	5.1	7.9	7.4	7.2	24	12.9	4.5	7.1
																									0			
																									0			
hr max	21.3	23.2	16.2	16.7	19.2	12.9	24.5	23.8	41.5	32.7	32.9	34.3	52.3	54.0	19.5	16.2	13.3	12.6	32.7	35.9	23.9	21.1	35.3	27.9				
hr min	2.6	2.6	2.4	2.4	2.8	3.4	2.4	2.8	2.9	4.6	5.2	6.1	5.9	5.7	4.7	4.3	5.1	3.2	1.3	1.8	2.5	2.8	2.1	2.2				
average	6.8	6.7	6.4	6.3	6.6	6.9	7.8	7.4	9.2	9.1	9.9	10.6	12.1	11.1	10.2	9.7	8.6	6.8	7.6	8.3	7.9	7.1	7.7	6.6				

monthly max hr	monthly min hr	monthly ave hr
54.0	1.3	8.2
2/10/08	2/22/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
Deg
50sigT

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid hr count	daily max hr	daily min hr	daily ave hr
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
2/1/08	3.4	2.6	1.9	1.7	2.0	2.5	3.0	3.0	3.8	4.9	6.0	5.8	6.3	5.8	6.9	9.6	9.6	3.4	2.9	4.3	2.9	5.1	5.1	3.8	24	9.6	1.7	4.4
2/2/08	3.2	2.5	3.3	8.7	38.8	13.9	7.8	17.6	45.5	15.8	13.0	14.2	16.8	8.7	16.8	9.6	7.8	3.5	2.7	4.8	5.8	6.4	5.7	7.0	24	45.5	2.5	11.7
2/3/08	5.8	5.4	5.1	5.0	3.8	4.9	3.2	2.9	3.7	6.2	8.0	7.3	6.6	6.9	9.2	7.9	4.2	1.8	1.8	4.0	3.5	3.6	3.8	4.1	24	9.2	1.8	4.9
2/4/08	5.5	4.7	5.0	4.7	4.0	4.0	5.4	3.9	4.4	4.8	5.6	6.5	9.7	7.0	4.2	3.2	3.3	3.2	3.6	3.6	3.6	4.5	3.6	4.2	24	9.7	3.2	4.7
2/5/08	3.8	3.4	3.8	3.6	3.5	4.6	3.5	3.6	3.6	3.6	4.2	7.4	12.1	10.0	9.8	5.7	9.0	3.5	5.1	4.1	6.5	17.3	4.5	4.0	24	17.3	3.4	5.8
2/6/08	2.8	1.7	3.1	3.0	3.7	2.7	3.5	3.8	5.0	6.2	7.2	5.9	7.9	7.3	6.9	6.8	4.9	5.8	3.3	2.1	3.8	2.9	2.6	2.0	24	7.9	1.7	4.4
2/7/08	3.3	4.9	3.7	2.7	2.1	2.0	1.7	1.4	2.2	3.6	22.8	9.9	11.5	8.6	10.9	6.5	3.9	3.9	4.9	3.0	2.2	2.2	3.1	6.7	24	22.8	1.4	5.3
2/8/08	5.5	4.2	10.4	4.7	3.4	6.2	5.2	4.1	6.8	6.1	5.5	6.8	7.0	6.8	7.7	12.5	9.7	5.8	2.7	2.7	2.9	2.8	2.0	3.4	24	12.5	2.0	5.6
2/9/08	3.0	4.1	4.7	4.0	4.1	4.6	4.1	5.5	5.4	5.2	5.1	5.5	7.1	7.4	5.7	5.5	6.3	5.5	4.5	4.1	5.0	4.6	4.3	4.2	24	7.4	3.0	5.0
2/10/08	4.6	4.3	4.6	5.2	5.1	4.6	5.0	5.3	6.1	6.5	11.8	21.8	63.3	39.1	13.3	9.0	5.2	4.9	5.3	5.0	4.9	6.2	6.0	6.1	24	63.3	4.3	10.6
2/11/08	4.9	4.6	4.8	4.7	4.9	5.8	4.6	5.5	5.3	5.2	4.8	5.0	5.5	5.4	5.1	7.1	7.4	8.2	7.3	8.2	5.1	3.1	6.3	1.8	24	8.2	1.8	5.4
2/12/08	3.2	3.6	3.9	3.7	2.7	2.3	1.2	1.4	1.2	2.1	3.7	3.4	3.4	3.1	3.8	3.9	3.6	3.0	7.0	3.2	2.5	2.0	6.3	10.1	24	10.1	1.2	3.5
2/13/08	12.6	33.2	18.6	3.7	3.3	3.2	3.9	3.7	3.9	4.3	4.9	4.4	4.7	4.5	6.2	7.3	5.3	5.2	24.4	20.9	7.1	6.0	6.2	3.3	24	33.2	3.2	8.4
2/14/08	5.0	4.7	3.1	3.8	3.8	3.5	3.5	3.6	3.4	3.5	7.3	9.2	7.1	6.8	8.1	8.6	8.3	7.3	14.7	15.0	3.2	1.9	5.4	1.7	24	15.0	1.7	5.9
2/15/08	4.0	1.4	2.2	1.8	2.9	2.0	3.3	2.5	2.4	2.5	3.1	4.6	4.1	4.2	3.0	3.0	3.4	1.7	1.9	1.1	1.1	1.8	1.8	0.8	24	4.6	0.8	2.5
2/16/08	1.2	1.8	1.3	3.2	4.3	4.2	3.2	2.3	2.8	3.3	4.5	4.8	6.7	6.4	4.6	3.5	4.0	4.2	3.4	3.1	3.6	3.6	3.0	3.1	24	6.7	1.2	3.6
2/17/08	3.7	4.0	4.1	3.8	3.8	3.4	2.7	3.3	4.0	4.4	4.5	7.1	10.3	7.0	15.1	6.0	3.3	7.8	9.2	3.6	3.0	3.8	3.1	4.2	24	15.1	2.7	5.2
2/18/08	3.7	4.2	4.0	4.7	4.0	3.4	3.3	3.1	4.1	3.6	4.7	5.0	6.1	5.8	6.4	5.9	5.8	4.2	2.0	2.1	2.6	12.4	8.2	1.7	24	12.4	1.7	4.6
2/19/08	1.5	2.4	2.9	2.6	1.9	2.6	2.9	4.4	6.8	7.0	5.7	11.0	10.1	26.3	33.9	20.3	23.5	19.1	4.7	4.7	4.5	4.6	5.2	5.4	24	33.9	1.5	8.9
2/20/08	5.5	5.2	4.0	5.9	7.5	5.6	7.8	7.2	8.2	7.6	6.9	7.2	6.8	7.0	6.8	6.6	5.6	4.5	4.3	4.3	4.3	4.5	4.6	3.8	24	8.2	3.8	5.9
2/21/08	4.3	4.3	4.1	4.6	4.2	5.2	3.6	2.4	5.3	5.1	9.2	11.7	14.0	10.0	5.9	6.5	5.4	4.5	1.9	1.4	2.0	1.5	1.8	1.2	24	14.0	1.2	5.0
2/22/08	2.3	2.7	2.6	4.2	4.8	4.9	5.5	8.2	6.7	9.7	6.3	5.8	9.3	11.0	12.5	12.8	9.7	4.5	1.1	2.4	5.8	3.3	2.4	1.3	24	12.8	1.1	5.8
2/23/08	1.7	1.4	1.6	1.3	2.5	3.7	11.2	3.7	7.6	21.2	10.0	7.7	9.2	9.3	13.1	12.0	7.1	3.7	4.6	5.2	4.8	3.0	2.0	3.3	24	21.2	1.3	6.3
2/24/08	2.7	4.8	2.3	4.2	4.2	2.7	3.9	13.9	7.7	10.3	11.2	11.1	8.5	5.4	6.3	8.0	11.5	5.9	16.7	6.5	15.1	4.5	6.2	6.2	24	16.7	2.3	7.5
2/25/08	7.7	4.1	5.3	3.9	6.0	5.4	4.8	6.1	5.9	6.4	5.9	6.2	7.3	7.8	6.9	8.0	5.5	4.5	3.3	2.6	1.8	1.8	2.2	2.5	24	8.0	1.8	5.1
2/26/08	2.9	2.8	4.1	5.7	4.1	5.0	5.2	4.9	5.1	7.1	7.7	6.6	7.5	7.2	7.9	6.7	6.9	4.5	2.3	4.9	8.4	22.6	4.4	1.7	24	22.6	1.7	6.1
2/27/08	2.1	2.7	4.3	3.3	5.4	7.1	8.3	10.3	10.2	12.3	12.8	9.9	16.8	18.4	14.0	11.7	7.5	5.2	1.8	2.5	1.9	2.7	2.8	3.4	24	18.4	1.8	7.4
2/28/08	3.6	3.0	3.7	3.8	3.8	4.0	4.4	3.9	4.3	6.9	6.0	6.4	6.3	5.3	5.0	7.0	6.5	4.1	1.9	3.8	4.0	4.5	3.7	4.1	24	7.0	1.9	4.6
2/29/08	3.9	3.9	3.8	4.1	5.0	4.2	3.9	4.2	4.6	5.1	5.7	5.8	7.3	7.6	8.9	9.1	10.8	8.9	9.0	3.2	1.5	3.7	4.0	4.7	24	10.8	1.5	5.5
																									0			
																									0			
hr max	12.6	33.2	18.6	8.7	38.8	13.9	11.2	17.6	45.5	21.2	22.8	21.8	63.3	39.1	33.9	20.3	23.5	19.1	24.4	20.9	15.1	22.6	8.2	10.1				
hr min	1.2	1.4	1.3	1.3	1.9	2.0	1.2	1.4	1.2	2.1	3.1	3.4	3.4	3.1	3.0	3.0	3.3	1.7	1.1	1.1	1.1	1.5	1.8	0.8				
average	4.0	4.6	4.4	4.0	5.2	4.4	4.5	5.0	6.4	6.6	7.4	7.7	10.3	9.2	9.1	7.9	7.1	5.3	5.5	4.7	4.3	5.1	4.1	3.8				

monthly max hr	monthly min hr	monthly ave hr
63.3	0.8	5.9
2/10/08	2/15/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
Deg
100sT

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	1.5	1.4	1.8	2.0	2.5	3.1	2.1	2.7	4.7	2.5	4.3	3.3	8.3	5.6	6.8	8.3	8.3	3.8	4.1	4.9	1.7	3.1	4.6	4.0	24	8.3	1.4	4.0
2/2/08	1.7	1.6	2.6	6.5	11.0	13.2	7.9	9.5	17.1	19.5	11.6	14.3	14.3	8.7	16.0	10.1	7.0	3.5	2.3	4.0	4.7	4.9	4.1	5.5	24	19.5	1.6	8.4
2/3/08	4.6	5.3	4.8	3.8	2.4	4.1	3.7	3.1	2.8	3.9	6.9	7.9	6.4	6.5	8.4	7.2	3.5	1.9	1.3	3.5	2.2	2.0	2.4	2.7	24	8.4	1.3	4.2
2/4/08	4.4	3.9	4.0	3.2	3.1	2.9	3.7	3.2	3.9	4.0	4.6	6.4	8.6	6.9	4.6	3.1	3.1	3.0	3.1	3.4	3.2	3.9	2.9	3.4	24	8.6	2.9	4.0
2/5/08	3.0	2.6	3.9	5.0	5.5	4.8	3.3	4.5	5.3	5.0	5.7	6.3	9.3	9.9	10.6	5.6	8.5	4.4	4.1	3.2	4.2	27.6	5.9	4.1	24	27.6	2.6	6.3
2/6/08	3.2	3.3	2.1	2.0	2.3	2.5	2.6	3.3	2.7	2.8	3.9	6.0	6.9	6.8	5.8	5.7	3.0	3.4	2.6	2.3	3.5	2.1	2.4	1.7	24	6.9	1.7	3.5
2/7/08	4.2	3.6	3.3	2.3	2.3	2.1	2.1	2.1	1.7	1.4	6.5	14.6	10.6	7.9	9.8	5.9	3.5	2.2	2.6	1.8	1.0	0.9	2.1	3.8	24	14.6	0.9	4.1
2/8/08	4.3	4.0	7.2	5.4	2.4	4.9	5.4	4.2	5.5	5.2	5.3	5.8	6.5	6.4	6.8	11.0	9.1	4.4	2.4	2.3	3.1	2.4	2.1	2.4	24	11.0	2.1	4.9
2/9/08	1.5	3.2	4.4	3.9	3.6	4.0	3.6	5.2	4.8	5.0	4.8	4.9	6.7	6.5	5.5	4.9	5.5	4.8	4.2	3.9	4.8	4.2	3.9	3.8	24	6.7	1.5	4.5
2/10/08	3.9	3.9	4.0	5.0	4.7	4.4	4.5	5.3	5.7	5.8	10.9	21.0	64.3	33.7	13.7	7.8	4.4	4.2	3.7	3.8	3.8	3.0	3.6	3.6	24	64.3	3.0	9.5
2/11/08	4.2	4.2	3.9	4.1	4.1	4.9	3.9	4.8	4.8	4.8	4.1	4.5	4.7	4.3	4.6	6.7	6.4	8.5	7.2	7.4	5.3	3.4	5.0	2.0	24	8.5	2.0	4.9
2/12/08	2.9	3.2	3.5	3.6	3.9	3.6	2.3	2.4	1.6	1.3	3.2	3.2	4.0	3.3	3.9	5.3	6.0	5.4	5.5	1.9	1.6	1.7	5.2	5.2	24	6.0	1.3	3.5
2/13/08	11.8	24.1	16.3	3.6	2.4	3.8	2.3	2.0	2.3	3.2	4.3	3.6	3.9	4.0	4.9	5.9	4.2	4.2	13.9	15.9	7.2	5.3	5.6	3.6	24	24.1	2.0	6.6
2/14/08	4.7	4.0	2.6	4.2	5.1	4.2	4.6	3.3	3.6	3.3	6.9	8.1	7.2	7.0	8.3	8.9	9.0	8.9	37.0	10.0	1.9	2.0	4.5	4.1	24	37.0	1.9	6.8
2/15/08	3.6	3.8	3.2	5.7	2.3	2.5	1.8	2.3	1.2	1.0	2.0	4.0	3.7	3.5	2.4	2.8	5.1	2.7	1.7	0.8	1.6	1.0	0.8	0.6	24	5.7	0.6	2.5
2/16/08	1.0	1.0	1.3	1.5	2.4	2.8	3.3	1.5	2.2	2.4	4.1	5.3	6.6	5.2	4.0	1.4	2.1	3.4	2.7	2.5	2.9	3.3	2.6	2.6	24	6.6	1.0	2.8
2/17/08	3.1	3.7	3.5	3.6	3.4	2.7	2.0	2.5	3.4	4.5	4.3	3.8	4.7	6.9	6.0	3.8	4.4	3.6	3.9	3.0	2.0	2.4	2.3	3.6	24	6.9	2.0	3.6
2/18/08	3.2	3.5	3.1	4.1	3.6	3.0	2.4	2.6	3.5	3.4	4.2	4.5	5.4	5.0	6.4	5.6	5.1	4.1	2.0	1.4	2.1	8.3	5.0	1.7	24	8.3	1.4	3.9
2/19/08	2.6	1.3	1.9	1.1	2.6	4.4	2.5	4.7	3.6	5.7	6.1	6.3	6.3	7.3	6.1	5.6	4.8	3.5	3.9	3.4	3.4	3.5	4.6	4.9	24	7.3	1.1	4.2
2/20/08	4.4	4.9	3.3	5.1	6.6	5.4	7.4	6.2	8.2	7.6	6.2	6.1	5.6	6.1	5.9	5.6	4.7	3.8	3.6	3.5	3.9	3.4	3.8	3.0	24	8.2	3.0	5.2
2/21/08	4.1	3.7	4.2	4.1	4.3	4.6	2.2	2.9	1.8	5.1	8.6	9.8	11.0	9.9	5.6	5.3	4.3	3.7	2.1	2.2	1.3	2.8	3.5	0.8	24	11.0	0.8	4.5
2/22/08	3.4	1.7	2.8	12.7	7.7	16.4	9.5	4.3	7.9	5.6	7.5	5.6	8.0	8.8	10.6	11.2	8.1	4.5	2.1	2.0	2.9	1.3	1.4	1.2	24	16.4	1.2	6.1
2/23/08	1.0	1.8	1.0	1.1	2.7	3.4	6.8	5.0	2.7	4.2	8.0	7.1	8.1	9.1	11.1	9.9	6.1	3.6	5.7	4.9	3.6	2.2	1.8	4.0	24	11.1	1.0	4.8
2/24/08	3.1	2.6	2.1	3.4	2.7	3.5	3.8	5.3	7.2	6.2	9.2	9.1	8.6	4.6	6.6	7.8	10.7	5.8	19.6	7.8	47.7	3.9	4.1	4.8	24	47.7	2.1	7.9
2/25/08	2.6	3.5	4.4	3.2	4.4	4.3	3.9	4.4	4.3	3.9	5.6	6.1	6.3	6.8	6.5	7.3	5.2	5.0	2.3	1.6	1.4	1.5	1.5	2.0	24	7.3	1.4	4.1
2/26/08	1.6	1.6	3.8	5.1	4.0	5.3	4.9	4.8	4.8	6.2	7.1	5.5	6.2	6.7	7.3	6.2	6.7	4.0	1.9	4.0	4.6	7.1	43.6	2.5	24	43.6	1.6	6.5
2/27/08	2.7	3.1	4.0	2.7	3.8	6.7	6.2	7.7	5.1	11.2	10.3	9.3	15.7	14.1	12.4	10.4	7.2	5.0	3.0	1.2	1.4	0.9	1.1	1.9	24	15.7	0.9	6.1
2/28/08	2.1	2.1	2.6	2.5	2.3	2.1	2.4	2.7	3.5	6.8	5.2	5.8	5.3	4.6	4.4	6.4	7.0	3.9	1.4	5.3	3.4	3.8	3.0	2.8	24	7.0	1.4	3.8
2/29/08	2.7	2.4	2.4	2.9	2.2	2.4	2.3	2.0	2.9	4.4	4.9	5.5	6.8	6.2	8.5	9.0	10.8	8.8	10.8	3.6	2.0	2.7	2.7	2.1	24	10.8	2.0	4.6
																									0			
																									0			
hr max	11.8	24.1	16.3	12.7	11.0	16.4	9.5	9.5	17.1	19.5	11.6	21.0	64.3	33.7	16.0	11.2	10.8	8.9	37.0	15.9	47.7	27.6	43.6	5.5				
hr min	1.0	1.0	1.0	1.1	2.2	2.1	1.8	1.5	1.2	1.0	2.0	3.2	3.7	3.3	2.4	1.4	2.1	1.9	1.3	0.8	1.0	0.9	0.8	0.6				
average	3.3	3.8	3.7	3.9	3.8	4.6	3.9	3.9	4.4	5.0	6.1	7.0	9.3	7.7	7.4	6.7	6.0	4.4	5.5	4.0	4.6	4.0	4.7	3.0				

monthly	monthly	monthly
max hr	min hr	ave hr
64.3	0.6	5.0
2/10/08	2/15/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
mps
10VWS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	0.26	0.22	0.24	0.18	0.16	0.16	0.18	0.12	0.13	0.19	0.36	0.35	0.29	0.38	0.26	0.33	0.33	0.30	0.25	0.29	0.32	0.32	0.34	0.34	24	0.38	0.12	0.26
2/2/08	0.36	0.19	0.23	0.16	0.12	0.13	0.13	0.12	0.11	0.11	0.10	0.15	0.11	0.11	0.17	0.18	0.24	0.21	0.18	0.23	0.22	0.21	0.20	0.22	24	0.36	0.10	0.17
2/3/08	0.22	0.23	0.21	0.17	0.14	0.12	0.14	0.19	0.17	0.22	0.28	0.22	0.28	0.19	0.21	0.24	0.26	0.22	0.26	0.40	0.41	0.34	0.47	0.41	24	0.47	0.12	0.25
2/4/08	0.31	0.29	0.32	0.33	0.31	0.31	0.26	0.30	0.18	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.51	0.72	0.72	0.70	0.68	0.67	0.58	24	0.72	0.11	0.34
2/5/08	0.48	0.46	0.58	0.48	0.47	0.43	0.46	0.47	0.46	0.45	0.39	0.33	0.24	0.29	0.33	0.28	0.27	0.24	0.15	0.11	0.11	0.11	0.12	0.11	24	0.58	0.11	0.33
2/6/08	0.16	0.26	0.25	0.24	0.30	0.18	0.28	0.23	0.29	0.29	0.28	0.24	0.25	0.19	0.21	0.29	0.16	0.15	0.12	0.11	0.16	0.16	0.19	0.19	24	0.30	0.11	0.22
2/7/08	0.17	0.34	0.52	0.60	0.48	0.38	0.33	0.33	0.35	0.36	0.15	0.13	0.15	0.13	0.19	0.21	0.21	0.20	0.28	0.26	0.26	0.23	0.16	0.14	24	0.60	0.13	0.27
2/8/08	0.11	0.12	0.14	0.14	0.21	0.28	0.23	0.36	0.29	0.31	0.44	0.51	0.50	0.48	0.44	0.32	0.28	0.17	0.17	0.12	0.13	0.13	0.14	0.32	24	0.51	0.11	0.26
2/9/08	0.52	0.74	1.02	1.15	1.23	1.48	1.43	1.06	0.98	1.05	1.14	1.12	1.03	0.85	0.86	0.89	0.93	0.85	0.90	0.94	0.78	0.92	0.94	0.96	24	1.48	0.52	0.99
2/10/08	0.95	0.93	0.90	0.88	0.70	0.69	0.69	0.59	0.48	0.42	0.28	0.20	0.16	0.20	0.04	0.13	0.22	0.39	0.46	0.48	0.47	0.48	0.46	0.47	24	0.95	0.04	0.49
2/11/08	0.48	0.46	0.50	0.45	0.48	0.41	0.41	0.40	0.41	0.37	0.40	0.35	0.33	0.28	0.25	0.25	0.24	0.21	0.16	0.17	0.15	0.12	0.12	0.13	24	0.50	0.12	0.31
2/12/08	0.19	0.17	0.18	0.20	0.19	0.14	0.13	0.14	0.12	0.15	0.17	0.15	0.16	0.19	0.21	0.24	0.24	0.17	0.22	0.27	0.39	0.38	0.26	0.16	24	0.39	0.12	0.20
2/13/08	0.13	0.13	0.11	0.12	0.16	0.16	0.24	0.32	0.32	0.42	0.48	0.57	0.56	0.46	0.42	0.34	0.24	0.25	0.18	0.13	0.18	0.19	0.33	0.45	24	0.57	0.11	0.29
2/14/08	0.48	0.55	0.71	0.73	0.64	0.65	0.68	0.79	0.66	0.49	0.32	0.27	0.31	0.25	0.19	0.14	0.17	0.13	0.11	0.11	0.11	0.11	0.11	0.11	24	0.79	0.11	0.37
2/15/08	0.12	0.13	0.10	0.13	0.15	0.12	0.18	0.15	0.17	0.18	0.17	0.26	0.29	0.33	0.35	0.30	0.27	0.21	0.16	0.15	0.17	0.14	0.14	0.18	24	0.35	0.10	0.19
2/16/08	0.16	0.16	0.12	0.11	0.17	0.20	0.17	0.16	0.16	0.14	0.26	0.26	0.20	0.39	0.54	0.48	0.41	0.42	0.59	0.67	0.72	0.70	0.69	0.71	24	0.72	0.11	0.36
2/17/08	0.63	0.69	0.61	0.81	0.87	0.76	0.59	0.69	0.79	1.00	1.23	1.25	1.02	1.08	1.34	1.80	1.51	1.27	0.89	0.82	0.55	0.55	0.55	0.68	24	1.80	0.55	0.92
2/18/08	1.02	0.84	0.70	0.73	0.73	0.79	0.76	0.54	0.64	0.88	0.88	0.90	0.78	0.79	0.73	0.68	0.61	0.43	0.20	0.19	0.12	0.11	0.11	0.11	24	1.02	0.11	0.59
2/19/08	0.08	0.10	0.11	0.16	0.16	0.17	0.16	0.13	0.25	0.47	0.45	0.66	0.80	0.71	0.68	0.71	0.72	0.61	0.48	0.38	0.43	0.47	0.44	0.37	24	0.80	0.08	0.40
2/20/08	0.39	0.30	0.33	0.25	0.21	0.21	0.20	0.16	0.19	0.18	0.21	0.23	0.28	0.34	0.34	0.37	0.39	0.38	0.30	0.33	0.34	0.32	0.33	0.29	24	0.39	0.16	0.29
2/21/08	0.30	0.29	0.27	0.16	0.23	0.18	0.13	0.12	0.15	0.12	0.18	0.16	0.21	0.15	0.14	0.15	0.22	0.19	0.14	0.13	0.15	0.14	0.17	0.17	24	0.30	0.12	0.18
2/22/08	0.16	0.15	0.14	0.13	0.12	0.16	0.12	0.12	0.14	0.15	0.19	0.18	0.20	0.16	0.17	0.11	0.12	0.13	0.10	0.11	0.12	0.13	0.11	0.11	24	0.20	0.10	0.14
2/23/08	0.12	0.11	0.10	0.09	0.11	0.13	0.14	0.11	0.13	0.19	0.17	0.23	0.23	0.22	0.24	0.23	0.17	0.17	0.18	0.17	0.13	0.12	0.11	0.11	24	0.24	0.09	0.15
2/24/08	0.10	0.13	0.14	0.17	0.17	0.17	0.13	0.18	0.14	0.19	0.18	0.21	0.22	0.22	0.23	0.21	0.20	0.15	0.13	0.12	0.13	0.11	0.12	0.15	24	0.23	0.10	0.16
2/25/08	0.17	0.26	0.37	0.42	0.47	0.60	0.64	0.73	0.80	0.79	0.75	0.69	0.77	0.78	0.77	0.81	0.80	0.74	0.57	0.55	0.48	0.34	0.36	0.40	24	0.81	0.17	0.59
2/26/08	0.41	0.51	0.64	0.72	0.73	0.62	0.64	0.63	0.58	0.58	0.54	0.59	0.54	0.57	0.66	0.63	0.57	0.45	0.25	0.14	0.12	0.13	0.11	0.12	24	0.73	0.11	0.48
2/27/08	0.14	0.16	0.29	0.35	0.30	0.31	0.15	0.17	0.17	0.15	0.15	0.11	0.18	0.17	0.17	0.20	0.16	0.14	0.16	0.15	0.18	0.20	0.18	0.17	24	0.35	0.11	0.19
2/28/08	0.13	0.24	0.25	0.29	0.27	0.15	0.18	0.17	0.19	0.28	0.62	0.69	0.79	0.88	0.90	0.75	0.50	0.48	0.45	0.43	0.63	0.78	0.69	0.48	24	0.90	0.13	0.47
2/29/08	0.42	0.47	0.54	0.57	0.61	0.56	0.44	0.45	0.57	0.67	0.64	0.64	0.78	0.69	0.55	0.43	0.35	0.20	0.11	0.18	0.25	0.28	0.29	0.32	24	0.78	0.11	0.46
																									0			
																									0			

hr max	1.02	0.93	1.02	1.15	1.23	1.48	1.43	1.06	0.98	1.05	1.23	1.25	1.03	1.08	1.34	1.80	1.51	1.27	0.90	0.94	0.78	0.92	0.94	0.96
hr min	0.08	0.10	0.10	0.09	0.11	0.12	0.12	0.11	0.11	0.11	0.10	0.11	0.11	0.11	0.04	0.11	0.11	0.13	0.10	0.11	0.11	0.11	0.11	0.11
average	0.32	0.33	0.37	0.38	0.38	0.37	0.35	0.34	0.35	0.38	0.40	0.41	0.41	0.40	0.40	0.41	0.38	0.34	0.31	0.31	0.31	0.31	0.31	0.31

monthly	monthly	monthly
max hr	min hr	ave hr
1.80	0.04	0.36
2/17/08	2/10/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
mps
50VWS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.07	0.07	0.05	0.08	0.10	0.05	0.11	0.11	0.05	0.02	0.01	0.04	0.03	0.01	0.03	24	0.11	0.01	0.04
2/2/08	0.00	0.02	0.04	0.08	0.03	0.02	-0.01	0.02	0.12	0.08	0.06	0.09	0.13	0.10	0.22	0.16	0.07	0.02	0.01	0.00	0.04	0.04	0.02	0.00	24	0.22	-0.01	0.06
2/3/08	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.06	0.11	0.13	0.17	0.15	0.08	0.07	0.02	0.02	0.05	0.06	0.06	0.10	0.09	24	0.17	0.02	0.06
2/4/08	0.11	0.10	0.07	0.02	-0.03	-0.02	-0.05	-0.03	-0.06	-0.06	-0.04	0.03	0.02	0.01	0.00	-0.02	-0.05	0.00	-0.03	-0.11	-0.12	-0.08	-0.07	-0.08	24	0.11	-0.12	-0.02
2/5/08	-0.09	-0.09	-0.11	-0.08	-0.08	-0.04	-0.07	-0.10	-0.08	-0.01	-0.03	0.23	0.12	0.27	0.18	0.02	0.01	-0.03	0.06	0.08	0.03	0.03	0.04	0.05	24	0.27	-0.11	0.01
2/6/08	0.05	0.07	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.05	0.04	0.08	0.14	0.14	0.19	0.21	0.06	0.05	0.02	0.02	0.03	0.02	0.03	-0.06	24	0.21	-0.06	0.05
2/7/08	-0.04	0.04	0.03	0.02	0.02	0.02	0.02	0.03	0.02	0.02	-0.01	0.05	0.14	0.14	0.24	0.12	0.04	0.07	0.04	0.04	0.02	0.06	0.06	0.05	24	0.24	-0.04	0.05
2/8/08	0.05	0.04	0.04	0.02	0.07	0.03	0.02	0.02	0.04	0.04	0.07	0.09	0.07	0.09	0.08	0.24	0.15	0.05	0.04	0.01	0.01	0.00	0.00	0.10	24	0.24	0.00	0.06
2/9/08	0.03	0.03	0.04	0.04	0.04	0.05	0.06	0.06	0.05	0.05	0.04	0.07	0.04	0.12	0.05	0.05	0.04	0.04	0.05	0.03	0.06	0.04	0.04	0.05	24	0.12	0.03	0.05
2/10/08	0.05	0.04	0.03	0.05	0.01	0.04	0.03	0.03	0.10	0.06	0.07	0.06	-0.03	0.33	0.16	0.24	0.11	0.11	0.06	0.07	0.07	-0.09	-0.03	-0.06	24	0.33	-0.09	0.06
2/11/08	0.06	-0.03	0.09	0.03	0.09	0.03	0.07	0.12	0.03	0.05	0.05	0.04	0.04	0.08	0.04	0.14	0.10	0.11	0.06	0.07	0.02	0.02	0.03	-0.01	24	0.14	-0.03	0.06
2/12/08	0.03	0.03	-0.01	0.03	0.04	0.02	0.01	0.03	-0.01	0.01	0.02	0.03	0.03	0.03	0.03	0.00	0.00	-0.02	0.07	0.02	0.02	0.03	0.01	0.02	24	0.07	-0.02	0.02
2/13/08	0.03	0.02	0.03	0.03	0.03	0.06	0.01	0.17	0.13	0.05	0.07	0.08	0.08	0.10	0.11	0.09	0.04	0.00	0.07	0.02	0.05	0.02	0.09	0.05	24	0.17	0.00	0.06
2/14/08	0.19	0.14	-0.22	-0.20	-0.12	-0.07	-0.06	-0.02	-0.02	0.01	0.07	0.05	0.12	0.06	0.01	0.01	0.01	0.02	0.02	0.03	0.02	0.02	0.02	0.03	24	0.19	-0.22	0.01
2/15/08	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	-0.02	-0.03	-0.05	-0.05	-0.03	0.01	0.01	0.00	-0.05	-0.06	-0.09	-0.13	24	0.03	-0.13	-0.01
2/16/08	-0.01	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.02	0.09	0.04	0.03	0.02	0.03	0.03	0.02	0.03	0.02	0.03	0.03	24	0.09	-0.01	0.02
2/17/08	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.04	0.03	0.04	0.06	0.04	0.05	0.04	0.03	0.04	0.03	0.03	0.03	0.03	0.02	0.03	24	0.06	0.02	0.03
2/18/08	0.02	0.01	0.02	0.00	0.02	0.02	0.02	0.02	0.04	0.03	0.08	0.03	0.13	0.10	0.12	0.03	0.09	0.03	0.02	0.03	0.02	0.01	0.02	0.02	24	0.13	0.00	0.04
2/19/08	0.02	0.02	0.01	-0.05	-0.01	-0.03	-0.02	0.01	0.05	0.05	0.05	0.02	0.08	0.02	0.09	0.01	-0.03	-0.01	0.07	0.15	0.16	0.17	0.14	0.14	24	0.17	-0.05	0.05
2/20/08	0.15	0.12	0.05	0.07	0.10	0.03	0.05	0.07	0.11	0.19	0.28	0.24	0.29	0.32	0.23	0.22	0.18	0.17	0.12	0.14	0.09	0.10	0.13	0.10	24	0.32	0.03	0.15
2/21/08	0.13	0.13	0.10	0.08	0.08	0.07	0.04	0.03	0.05	0.06	0.08	0.00	0.17	0.10	0.03	0.02	0.09	0.02	0.01	0.01	0.02	0.02	-0.04	-0.04	24	0.17	-0.04	0.05
2/22/08	0.00	0.06	0.04	0.05	0.04	0.02	0.02	0.03	0.02	0.10	0.18	0.14	0.23	0.25	0.14	0.14	0.15	0.05	0.03	0.02	0.02	0.02	0.02	0.02	24	0.25	0.00	0.07
2/23/08	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.03	0.01	0.09	0.11	0.20	0.19	0.20	0.25	0.27	0.12	0.01	0.00	0.03	0.00	0.02	0.03	0.03	24	0.27	0.00	0.07
2/24/08	0.02	0.00	0.01	0.05	0.02	0.03	0.03	0.03	0.03	0.05	0.12	0.12	0.15	0.03	0.10	0.09	0.11	-0.01	0.03	-0.01	0.03	0.05	0.02	0.02	24	0.15	-0.01	0.05
2/25/08	0.04	0.03	0.05	0.04	0.11	0.08	0.01	-0.13	-0.14	-0.06	0.02	0.01	0.02	0.06	0.02	0.08	0.04	0.01	0.03	0.03	0.02	0.02	0.02	0.03	24	0.11	-0.14	0.02
2/26/08	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.03	0.03	0.09	0.07	0.13	0.10	0.13	0.07	0.07	0.03	0.03	0.02	0.01	-0.01	0.02	0.03	0.02	24	0.13	-0.01	0.04
2/27/08	0.03	0.02	0.03	0.02	0.00	0.00	0.06	0.04	0.07	0.16	0.22	0.14	0.14	0.09	0.18	0.15	0.05	0.02	0.03	0.03	0.02	0.02	0.03	0.03	24	0.22	0.00	0.07
2/28/08	0.03	0.03	0.05	0.04	0.06	0.03	0.03	0.03	0.02	0.06	0.07	0.11	0.09	0.07	0.06	0.11	0.05	0.03	0.02	0.01	0.02	0.03	0.03	0.02	24	0.11	0.01	0.05
2/29/08	0.03	0.04	0.03	0.04	0.03	0.02	0.05	0.07	0.05	0.06	0.06	0.04	0.09	0.06	0.09	0.17	0.10	0.06	0.04	0.04	0.02	-0.03	-0.07	0.04	24	0.17	-0.07	0.05
																									0			
																									0			
hr max	0.19	0.14	0.10	0.08	0.11	0.08	0.07	0.17	0.13	0.19	0.28	0.24	0.29	0.33	0.25	0.27	0.18	0.17	0.12	0.15	0.16	0.17	0.14	0.14				
hr min	-0.09	-0.09	-0.22	-0.20	-0.12	-0.07	-0.07	-0.13	-0.14	-0.06	-0.04	0.00	-0.03	-0.03	-0.05	-0.05	-0.05	-0.03	-0.03	-0.11	-0.12	-0.09	-0.09	-0.13				
average	0.04	0.04	0.02	0.02	0.03	0.02	0.02	0.02	0.03	0.05	0.07	0.08	0.10	0.11	0.10	0.10	0.06	0.03	0.03	0.03	0.03	0.02	0.02	0.02				

monthly max hr	monthly min hr	monthly ave hr
0.33	-0.22	0.05
2/10/08	2/14/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
mps
100VWS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	0.17	-0.47	-0.81	0.92	1.02	0.86	0.75	0.60	0.59	0.66	0.54	0.70	0.38	0.34	0.22	0.31	0.31	0.55	0.69	0.81	0.80	0.90	0.82	0.70	24	1.02	-0.81	0.52
2/2/08	0.73	0.32	0.38	0.29	0.04	0.05	0.15	0.10	0.08	-0.08	-0.09	-0.09	-0.02	-0.08	0.08	0.01	0.12	0.08	0.17	0.21	0.15	0.19	0.25	0.09	24	0.73	-0.09	0.13
2/3/08	0.17	0.22	0.17	0.13	0.07	0.01	0.40	1.19	1.51	1.30	0.72	-0.11	-0.27	-0.21	-0.21	-0.14	0.27	0.49	0.65	1.15	0.86	0.69	0.91	0.82	24	1.51	-0.27	0.45
2/4/08	0.42	0.61	0.57	0.32	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	4	0.61	0.32	0.48
2/5/08	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	0			
2/6/08	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	0			
2/7/08	0.09	0.89	1.22	1.32	1.20	1.22	1.00	0.91	0.74	0.74	0.20	0.06	0.08	-0.11	0.24	-0.04	0.24	0.21	0.73	0.69	0.77	0.78	0.61	0.40	24	1.32	-0.11	0.59
2/8/08	-0.01	0.37	0.40	0.64	0.78	0.78	0.76	0.92	0.66	0.60	0.63	0.70	0.77	0.60	0.41	0.55	0.41	0.48	0.46	0.32	0.64	0.78	1.01	1.38	24	1.38	-0.01	0.63
2/9/08	1.51	1.60	1.74	1.95	2.22	2.53	2.53	1.97	1.62	1.42	1.60	1.86	1.34	1.31	1.02	1.17	1.38	1.33	1.49	1.65	1.39	1.55	1.61	1.73	24	2.53	1.02	1.65
2/10/08	1.55	1.30	1.41	1.48	1.18	1.02	1.16	0.85	0.56	0.24	0.17	0.19	-0.09	0.28	-0.26	-0.04	-0.12	0.10	0.26	0.36	0.44	0.30	0.39	0.43	24	1.55	-0.26	0.55
2/11/08	0.53	0.39	0.48	0.39	0.50	0.34	0.37	0.42	0.32	0.36	0.26	0.23	0.19	0.21	0.11	0.15	0.12	0.10	0.06	0.07	0.10	0.09	0.03	0.12	24	0.53	0.03	0.25
2/12/08	0.27	0.28	0.25	0.41	0.28	0.33	0.41	0.55	0.53	0.67	0.76	0.66	0.48	0.61	0.62	0.48	0.61	0.81	0.92	1.04	1.10	0.96	0.70	0.44	24	1.10	0.25	0.59
2/13/08	0.18	0.12	-0.03	-0.02	0.19	0.20	-0.06	0.28	0.81	0.79	0.85	0.92	0.77	0.67	0.54	0.29	0.19	0.38	0.23	0.06	0.12	0.06	0.37	0.38	24	0.92	-0.06	0.35
2/14/08	0.47	0.66	0.68	0.84	0.71	0.68	0.67	0.79	0.55	0.51	0.24	0.16	0.26	0.12	0.08	0.11	0.03	0.09	0.01	0.02	0.00	0.15	0.11	0.41	24	0.84	0.00	0.35
2/15/08	0.43	0.33	0.40	0.53	0.81	0.83	1.17	1.23	1.09	0.98	1.14	0.88	0.92	0.72	0.96	0.70	0.63	0.73	0.88	0.97	1.01	0.99	1.07	1.26	24	1.26	0.33	0.86
2/16/08	1.13	1.14	0.99	0.77	0.79	1.15	0.92	0.74	0.77	0.87	0.73	0.66	0.61	0.73	1.09	1.09	1.02	1.11	1.34	1.42	1.52	1.47	1.41	1.53	24	1.53	0.61	1.04
2/17/08	1.45	1.47	1.43	1.58	1.66	1.65	1.57	1.55	1.51	1.71	2.09	1.95	1.57	1.74	2.27	2.79	2.31	2.17	1.75	1.56	1.35	1.30	1.27	1.39	24	2.79	1.27	1.71
2/18/08	1.74	1.66	1.29	1.23	1.18	1.42	1.40	1.20	1.25	1.22	1.26	1.18	1.15	1.06	0.87	0.75	0.83	0.65	0.69	0.45	0.28	0.13	0.15	0.16	24	1.74	0.13	0.97
2/19/08	0.29	0.70	0.68	0.81	0.77	0.82	0.72	0.80	0.92	1.00	0.58	0.85	1.09	0.93	1.01	0.99	1.14	1.10	1.06	0.77	0.81	0.72	0.65	0.53	24	1.14	0.29	0.82
2/20/08	0.58	0.28	0.23	0.23	0.07	0.08	0.05	-0.02	-0.04	0.03	0.00	-0.10	-0.10	0.13	0.18	0.11	0.18	0.25	0.33	0.23	0.31	0.16	0.20	0.12	24	0.58	-0.10	0.15
2/21/08	0.21	0.11	0.04	-0.02	0.04	0.00	-0.30	0.35	0.39	0.28	0.15	-0.04	0.21	0.02	0.00	0.14	0.33	0.23	0.37	0.47	0.72	0.58	0.59	0.57	24	0.72	-0.30	0.23
2/22/08	0.55	0.52	0.32	0.05	0.07	0.08	0.01	-0.01	-0.02	0.01	-0.01	-0.07	-0.06	0.07	0.01	-0.06	-0.12	-0.18	-0.21	-0.12	0.28	0.05	-0.59	-0.79	24	0.55	-0.79	-0.01
2/23/08	-0.34	-0.58	-0.01	0.02	0.02	-0.01	0.01	0.00	0.00	0.11	0.04	0.02	0.02	0.04	0.19	0.15	0.05	0.05	0.10	0.10	0.00	0.00	0.01	0.09	24	0.19	-0.58	0.00
2/24/08	0.15	0.38	0.52	0.65	0.62	0.50	0.38	0.43	0.32	0.24	0.20	0.23	0.18	0.17	0.16	0.14	0.29	0.08	0.06	0.05	0.02	0.08	0.05	0.00	24	0.65	0.00	0.25
2/25/08	0.09	0.41	0.53	0.59	0.72	0.91	0.97	0.80	0.81	0.82	1.03	1.23	1.22	1.36	1.26	1.34	1.17	1.31	1.25	1.33	1.25	0.88	1.05	1.22	24	1.36	0.09	0.98
2/26/08	1.31	1.39	1.16	1.21	1.18	0.96	0.97	0.95	0.86	0.83	0.70	0.77	0.50	0.71	0.81	0.81	0.77	0.82	0.73	0.40	0.19	0.04	0.00	0.12	24	1.39	0.00	0.76
2/27/08	0.15	0.49	0.78	0.96	0.93	0.66	0.24	0.09	0.04	-0.01	0.09	0.10	0.10	0.06	0.30	0.25	0.29	0.20	-0.19	-0.07	0.19	0.30	0.28	-0.88	24	0.96	-0.88	0.22
2/28/08	-1.18	0.18	0.50	0.48	0.43	-0.72	0.34	0.76	0.76	0.73	0.95	0.90	1.08	1.06	1.26	1.10	0.76	0.99	1.16	1.13	1.28	1.57	1.45	1.33	24	1.57	-1.18	0.76
2/29/08	1.20	1.34	1.47	1.36	1.52	1.50	1.19	1.42	1.33	1.03	0.90	0.76	1.02	0.93	0.53	0.52	0.38	0.20	0.04	0.00	0.00	0.82	1.08	1.21	24	1.52	0.00	0.91
																									0			
																									0			
hr max	1.74	1.66	1.74	1.95	2.22	2.53	2.53	1.97	1.62	1.71	2.09	1.95	1.57	1.74	2.27	2.79	2.31	2.17	1.75	1.65	1.52	1.57	1.61	1.73				
hr min	-1.18	-0.58	-0.81	-0.02	0.02	-0.72	-0.30	-0.02	-0.04	-0.08	-0.09	-0.11	-0.27	-0.21	-0.26	-0.14	-0.12	-0.18	-0.21	-0.12	0.00	0.00	-0.59	-0.88				
average	0.51	0.60	0.62	0.71	0.73	0.69	0.68	0.73	0.69	0.66	0.61	0.56	0.52	0.52	0.53	0.53	0.52	0.55	0.58	0.58	0.60	0.60	0.60	0.57				

monthly	monthly	monthly
max hr	min hr	ave hr
2.79	-1.18	0.60
2/17/08	2/28/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	628
possible hours	696
data capture	90.2%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
Deg
10SW

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	0.42	0.39	0.36	0.29	0.28	0.25	0.18	0.10	0.12	0.24	0.31	0.26	0.28	0.30	0.27	0.28	0.28	0.18	0.12	0.13	0.17	0.18	0.23	0.15	24	0.42	0.10	0.24
2/2/08	0.13	0.16	0.15	0.14	0.10	0.14	0.11	0.07	0.11	0.19	0.24	0.26	0.23	0.29	0.31	0.34	0.30	0.19	0.19	0.30	0.24	0.22	0.18	0.18	24	0.34	0.07	0.20
2/3/08	0.20	0.19	0.17	0.13	0.10	0.11	0.09	0.12	0.13	0.19	0.22	0.31	0.43	0.48	0.47	0.48	0.47	0.23	0.28	0.53	0.57	0.54	0.67	0.62	24	0.67	0.09	0.32
2/4/08	0.40	0.39	0.40	0.39	0.34	0.32	0.31	0.29	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.41	0.42	0.42	0.38	0.40	0.37	24	0.42	0.00	0.24
2/5/08	0.33	0.28	0.40	0.36	0.35	0.31	0.31	0.32	0.35	0.34	0.35	0.39	0.41	0.39	0.38	0.29	0.23	0.11	0.08	0.02	0.02	0.00	0.04	0.07	24	0.41	0.00	0.26
2/6/08	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.15	0.17	0.25	0.27	0.45	0.42	0.41	0.45	0.38	0.27	0.12	0.08	0.08	0.17	0.24	0.27	0.26	24	0.45	0.08	0.22
2/7/08	0.22	0.25	0.27	0.27	0.21	0.13	0.14	0.19	0.21	0.19	0.26	0.27	0.34	0.38	0.35	0.30	0.26	0.25	0.33	0.38	0.32	0.31	0.18	0.16	24	0.38	0.13	0.26
2/8/08	0.11	0.13	0.14	0.16	0.16	0.18	0.14	0.23	0.22	0.27	0.28	0.33	0.35	0.35	0.33	0.31	0.26	0.14	0.10	0.07	0.11	0.12	0.15	0.29	24	0.35	0.07	0.21
2/9/08	0.34	0.48	0.51	0.54	0.63	0.69	0.70	0.70	0.65	0.61	0.57	0.58	0.55	0.53	0.54	0.50	0.52	0.49	0.52	0.55	0.52	0.54	0.53	0.55	24	0.70	0.34	0.56
2/10/08	0.52	0.51	0.48	0.45	0.47	0.44	0.45	0.33	0.33	0.34	0.39	0.47	0.42	0.41	0.41	0.43	0.45	0.49	0.59	0.60	0.58	0.60	0.64	0.63	24	0.64	0.33	0.48
2/11/08	0.66	0.64	0.69	0.60	0.66	0.56	0.56	0.53	0.47	0.49	0.52	0.45	0.44	0.38	0.32	0.31	0.29	0.23	0.15	0.13	0.10	0.08	0.06	0.11	24	0.69	0.06	0.39
2/12/08	0.15	0.14	0.17	0.19	0.15	0.08	0.07	0.08	0.09	0.25	0.39	0.38	0.42	0.41	0.41	0.37	0.32	0.22	0.19	0.16	0.17	0.15	0.12	0.10	24	0.42	0.07	0.22
2/13/08	0.10	0.07	0.05	0.09	0.16	0.13	0.27	0.45	0.43	0.52	0.56	0.61	0.61	0.55	0.48	0.37	0.30	0.27	0.24	0.06	0.15	0.16	0.33	0.44	24	0.61	0.05	0.31
2/14/08	0.43	0.47	0.49	0.49	0.46	0.40	0.43	0.45	0.39	0.32	0.27	0.32	0.34	0.32	0.34	0.28	0.23	0.07	0.00	0.00	0.07	0.03	0.06	0.04	24	0.49	0.00	0.28
2/15/08	0.12	0.10	0.07	0.18	0.35	0.32	0.36	0.39	0.39	0.42	0.43	0.46	0.44	0.46	0.44	0.37	0.36	0.26	0.13	0.11	0.13	0.09	0.10	0.13	24	0.46	0.07	0.28
2/16/08	0.15	0.15	0.10	0.08	0.17	0.32	0.24	0.20	0.22	0.29	0.40	0.29	0.34	0.36	0.33	0.30	0.26	0.22	0.33	0.35	0.40	0.40	0.33	0.37	24	0.40	0.08	0.28
2/17/08	0.35	0.44	0.41	0.43	0.47	0.41	0.31	0.38	0.46	0.55	0.60	0.62	0.50	0.58	0.69	0.72	0.67	0.63	0.53	0.42	0.24	0.28	0.27	0.40	24	0.72	0.24	0.47
2/18/08	0.51	0.52	0.38	0.41	0.38	0.38	0.35	0.32	0.42	0.47	0.45	0.49	0.51	0.47	0.46	0.44	0.34	0.27	0.13	0.10	0.06	0.01	0.04	0.05	24	0.52	0.01	0.33
2/19/08	0.14	0.13	0.25	0.25	0.25	0.24	0.25	0.22	0.25	0.32	0.31	0.49	0.52	0.52	0.54	0.52	0.51	0.44	0.39	0.34	0.39	0.42	0.40	0.33	24	0.54	0.13	0.35
2/20/08	0.37	0.31	0.31	0.27	0.22	0.19	0.19	0.21	0.32	0.41	0.52	0.56	0.62	0.58	0.56	0.56	0.56	0.58	0.49	0.49	0.45	0.47	0.46	0.48	24	0.62	0.19	0.42
2/21/08	0.46	0.45	0.40	0.38	0.36	0.33	0.14	0.09	0.28	0.34	0.41	0.39	0.39	0.42	0.32	0.31	0.30	0.26	0.08	0.08	0.14	0.14	0.12	0.12	24	0.46	0.08	0.28
2/22/08	0.11	0.10	0.08	0.09	0.04	0.10	0.05	0.08	0.16	0.29	0.37	0.39	0.44	0.41	0.42	0.35	0.29	0.18	0.07	0.08	0.11	0.14	0.08	0.07	24	0.44	0.04	0.19
2/23/08	0.11	0.11	0.10	0.08	0.08	0.07	0.08	0.08	0.13	0.28	0.37	0.42	0.43	0.43	0.43	0.38	0.29	0.17	0.12	0.11	0.10	0.10	0.14	0.07	24	0.43	0.07	0.20
2/24/08	0.06	0.06	0.11	0.11	0.11	0.11	0.09	0.12	0.15	0.20	0.27	0.27	0.29	0.29	0.29	0.27	0.25	0.13	0.09	0.12	0.05	0.16	0.06	0.08	24	0.29	0.05	0.16
2/25/08	0.12	0.27	0.36	0.36	0.40	0.50	0.52	0.56	0.56	0.60	0.56	0.54	0.59	0.58	0.57	0.53	0.51	0.49	0.34	0.29	0.21	0.13	0.17	0.24	24	0.60	0.12	0.42
2/26/08	0.25	0.32	0.41	0.47	0.44	0.40	0.37	0.34	0.34	0.37	0.42	0.46	0.49	0.48	0.47	0.42	0.35	0.27	0.13	0.07	0.08	0.07	0.00	0.02	24	0.49	0.00	0.31
2/27/08	0.12	0.13	0.15	0.13	0.12	0.11	0.12	0.10	0.19	0.33	0.40	0.41	0.41	0.41	0.44	0.34	0.28	0.15	0.16	0.20	0.24	0.30	0.34	0.40	24	0.44	0.10	0.25
2/28/08	0.38	0.38	0.47	0.50	0.49	0.43	0.38	0.36	0.33	0.39	0.47	0.44	0.46	0.49	0.47	0.44	0.33	0.31	0.18	0.24	0.38	0.51	0.37	0.34	24	0.51	0.18	0.40
2/29/08	0.27	0.36	0.39	0.41	0.41	0.39	0.32	0.39	0.43	0.46	0.45	0.48	0.49	0.51	0.45	0.41	0.32	0.17	0.06	0.12	0.17	0.29	0.34	0.38	24	0.51	0.06	0.35
																									0			
																									0			
hr max	0.66	0.64	0.69	0.60	0.66	0.69	0.70	0.70	0.65	0.61	0.60	0.62	0.62	0.58	0.69	0.72	0.67	0.63	0.59	0.60	0.58	0.60	0.67	0.63				
hr min	0.06	0.06	0.05	0.08	0.04	0.07	0.05	0.07	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.02	0.00	0.00	0.02				
average	0.26	0.28	0.29	0.29	0.29	0.28	0.26	0.27	0.29	0.34	0.38	0.41	0.42	0.42	0.41	0.38	0.34	0.27	0.22	0.23	0.23	0.24	0.24	0.26				

monthly max hr	monthly min hr	monthly ave hr
0.72	0.00	0.30
2/17/08	2/4/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
Deg
50SW

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid hr count	daily max hr	daily min hr	daily ave hr
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
2/1/08	0.16	0.15	0.16	0.16	0.16	0.17	0.17	0.15	0.17	0.18	0.17	0.20	0.26	0.32	0.25	0.32	0.32	0.16	0.15	0.16	0.17	0.18	0.17	0.17	24	0.32	0.15	0.19
2/2/08	0.17	0.17	0.17	0.14	0.07	0.13	0.10	0.03	0.60	0.25	0.26	0.21	0.24	0.20	0.39	0.41	0.27	0.18	0.19	0.20	0.18	0.11	0.04	0.08	24	0.60	0.03	0.20
2/3/08	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.16	0.20	0.25	0.39	0.39	0.39	0.27	0.28	0.15	0.14	0.22	0.20	0.22	0.31	0.29	24	0.39	0.00	0.17
2/4/08	0.27	0.23	0.20	0.25	0.14	0.08	0.12	0.10	0.19	0.26	0.20	0.18	0.11	0.07	0.09	0.16	0.16	0.17	0.17	0.15	0.16	0.16	0.16	0.16	24	0.27	0.07	0.16
2/5/08	0.13	0.13	0.15	0.13	0.13	0.19	0.14	0.10	0.11	0.21	0.19	0.51	0.43	0.52	0.49	0.22	0.17	0.12	0.09	0.09	0.02	0.09	0.08	0.14	24	0.52	0.02	0.19
2/6/08	0.15	0.14	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.19	0.30	0.33	0.27	0.38	0.39	0.16	0.17	0.17	0.17	0.17	0.15	0.16	0.16	24	0.39	0.14	0.20
2/7/08	0.20	0.16	0.16	0.16	0.16	0.17	0.17	0.16	0.17	0.17	0.23	0.21	0.36	0.36	0.45	0.30	0.16	0.17	0.19	0.19	0.18	0.20	0.18	0.17	24	0.45	0.16	0.21
2/8/08	0.15	0.16	0.16	0.15	0.15	0.16	0.16	0.17	0.17	0.19	0.28	0.33	0.29	0.31	0.30	0.42	0.36	0.18	0.15	0.15	0.16	0.16	0.17	0.18	24	0.42	0.15	0.21
2/9/08	0.15	0.18	0.25	0.23	0.22	0.30	0.33	0.37	0.35	0.33	0.27	0.38	0.31	0.47	0.27	0.30	0.30	0.28	0.26	0.18	0.28	0.23	0.22	0.27	24	0.47	0.15	0.28
2/10/08	0.27	0.22	0.24	0.30	0.27	0.32	0.29	0.22	0.35	0.30	0.58	0.79	0.72	0.70	0.48	0.50	0.29	0.37	0.42	0.45	0.53	0.32	0.45	0.38	24	0.79	0.22	0.41
2/11/08	0.43	0.36	0.46	0.41	0.37	0.39	0.34	0.42	0.40	0.44	0.42	0.37	0.25	0.28	0.21	0.32	0.27	0.25	0.13	0.13	0.09	0.12	0.05	0.13	24	0.46	0.05	0.29
2/12/08	0.15	0.16	0.15	0.16	0.17	0.17	0.17	0.17	0.16	0.15	0.18	0.18	0.20	0.18	0.20	0.19	0.15	0.16	0.17	0.17	0.16	0.16	0.16	0.15	24	0.20	0.15	0.17
2/13/08	0.12	0.12	0.10	0.16	0.16	0.16	0.19	0.18	0.19	0.22	0.28	0.36	0.45	0.41	0.44	0.34	0.21	0.17	0.20	0.10	0.14	0.15	0.19	0.16	24	0.45	0.10	0.22
2/14/08	0.16	0.24	0.17	0.16	0.21	0.17	0.18	0.17	0.16	0.16	0.25	0.28	0.36	0.34	0.40	0.23	0.18	0.08	0.03	0.11	0.17	0.17	0.17	0.17	24	0.40	0.03	0.20
2/15/08	0.18	0.17	0.17	0.17	0.16	0.16	0.15	0.15	0.15	0.15	0.16	0.25	0.22	0.28	0.24	0.19	0.17	0.14	0.14	0.15	0.17	0.18	0.18	0.19	24	0.28	0.14	0.18
2/16/08	0.15	0.13	0.14	0.15	0.16	0.17	0.16	0.17	0.16	0.17	0.20	0.18	0.21	0.22	0.18	0.15	0.15	0.16	0.16	0.16	0.19	0.16	0.16	0.17	24	0.22	0.13	0.17
2/17/08	0.17	0.21	0.22	0.19	0.21	0.16	0.16	0.16	0.19	0.25	0.23	0.22	0.28	0.27	0.32	0.25	0.28	0.27	0.27	0.18	0.16	0.17	0.17	0.23	24	0.32	0.16	0.22
2/18/08	0.19	0.28	0.19	0.20	0.18	0.16	0.16	0.17	0.22	0.20	0.35	0.26	0.47	0.42	0.45	0.27	0.38	0.21	0.15	0.15	0.14	0.10	0.13	0.17	24	0.47	0.10	0.23
2/19/08	0.17	0.15	0.15	0.17	0.17	0.17	0.17	0.17	0.17	0.21	0.27	0.31	0.47	0.40	0.57	0.38	0.31	0.22	0.19	0.17	0.18	0.20	0.19	0.22	24	0.57	0.15	0.24
2/20/08	0.27	0.33	0.20	0.25	0.27	0.18	0.22	0.22	0.38	0.47	0.53	0.53	0.62	0.63	0.55	0.56	0.46	0.39	0.28	0.31	0.23	0.27	0.33	0.28	24	0.63	0.18	0.37
2/21/08	0.29	0.33	0.26	0.22	0.24	0.24	0.17	0.17	0.20	0.24	0.41	0.45	0.57	0.52	0.26	0.23	0.30	0.22	0.14	0.14	0.15	0.15	0.15	0.15	24	0.57	0.14	0.26
2/22/08	0.16	0.16	0.16	0.14	0.13	0.12	0.10	0.17	0.15	0.28	0.40	0.35	0.45	0.47	0.46	0.43	0.33	0.20	0.16	0.16	0.16	0.15	0.16	0.17	24	0.47	0.10	0.23
2/23/08	0.16	0.16	0.17	0.16	0.16	0.16	0.14	0.16	0.16	0.21	0.36	0.49	0.50	0.54	0.58	0.54	0.35	0.14	0.15	0.16	0.15	0.17	0.16	0.16	24	0.58	0.14	0.25
2/24/08	0.16	0.16	0.17	0.16	0.16	0.16	0.16	0.17	0.15	0.14	0.28	0.23	0.34	0.25	0.28	0.30	0.27	0.11	0.08	0.28	0.13	0.11	0.15	0.17	24	0.34	0.08	0.19
2/25/08	0.17	0.18	0.23	0.17	0.22	0.25	0.36	0.25	0.30	0.37	0.43	0.39	0.43	0.50	0.46	0.48	0.34	0.27	0.19	0.16	0.16	0.17	0.17	0.17	24	0.50	0.16	0.28
2/26/08	0.17	0.16	0.18	0.29	0.18	0.23	0.19	0.17	0.18	0.36	0.32	0.43	0.37	0.51	0.35	0.36	0.22	0.19	0.16	0.15	0.09	0.01	0.11	0.16	24	0.51	0.01	0.23
2/27/08	0.15	0.16	0.16	0.16	0.15	0.15	0.14	0.15	0.22	0.41	0.50	0.50	0.65	0.71	0.61	0.41	0.24	0.16	0.16	0.16	0.16	0.16	0.17	0.17	24	0.71	0.14	0.28
2/28/08	0.16	0.17	0.20	0.20	0.23	0.18	0.16	0.17	0.17	0.28	0.31	0.41	0.39	0.32	0.31	0.41	0.28	0.20	0.16	0.15	0.26	0.25	0.18	0.17	24	0.41	0.15	0.24
2/29/08	0.16	0.17	0.16	0.15	0.16	0.16	0.16	0.17	0.18	0.23	0.29	0.24	0.38	0.35	0.40	0.52	0.33	0.15	0.11	0.15	0.17	0.18	0.19	0.22	24	0.52	0.11	0.22
																									0			
																									0			
hr max	0.43	0.36	0.46	0.41	0.37	0.39	0.36	0.42	0.60	0.47	0.58	0.79	0.72	0.71	0.61	0.56	0.46	0.39	0.42	0.45	0.53	0.32	0.45	0.38				
hr min	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.14	0.16	0.18	0.11	0.07	0.09	0.15	0.15	0.08	0.03	0.09	0.02	0.01	0.04	0.08				
average	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.22	0.25	0.30	0.34	0.38	0.39	0.37	0.34	0.27	0.19	0.17	0.18	0.18	0.17	0.18	0.19				

monthly max hr	monthly min hr	monthly ave hr
0.79	0.00	0.23
2/10/08	2/3/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
Deg
100SW

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid hr count	daily max hr	daily min hr	daily ave hr
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
2/1/08	0.54	0.58	0.89	0.13	0.12	0.11	0.11	0.13	0.14	0.30	0.38	0.24	0.37	0.63	0.48	0.49	0.49	0.18	0.14	0.09	0.09	0.10	0.17	0.11	24	0.89	0.09	0.29
2/2/08	0.10	0.20	0.20	0.18	0.14	0.14	0.15	0.11	0.14	0.33	0.35	0.30	0.32	0.36	0.51	0.49	0.40	0.17	0.24	0.24	0.21	0.19	0.16	0.17	24	0.51	0.10	0.24
2/3/08	0.20	0.19	0.15	0.14	0.23	0.38	0.62	0.17	0.15	0.47	0.58	0.58	0.68	0.84	0.78	0.79	0.39	0.12	0.11	0.24	0.18	0.23	0.24	0.27	24	0.84	0.11	0.36
2/4/08	0.38	0.39	0.41	0.36	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	4	0.41	0.36	0.39
2/5/08	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	0			
2/6/08	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	0			
2/7/08	0.23	0.29	0.34	0.29	0.26	0.11	0.14	0.17	0.15	0.15	0.21	0.29	0.54	0.65	0.67	0.35	0.17	0.26	0.27	0.14	0.08	0.11	0.19	0.15	24	0.67	0.08	0.26
2/8/08	0.34	0.31	0.32	0.24	0.13	0.14	0.26	0.23	0.32	0.42	0.61	0.71	0.71	0.83	0.72	0.63	0.66	0.25	0.12	0.13	0.11	0.11	0.14	0.14	24	0.83	0.11	0.36
2/9/08	0.20	0.55	0.78	0.73	0.83	0.88	0.96	1.07	1.09	1.14	1.09	0.97	1.00	1.16	1.12	0.95	0.95	0.87	0.73	0.78	0.85	0.77	0.72	0.74	24	1.16	0.20	0.87
2/10/08	0.72	0.82	0.69	0.77	0.73	0.84	0.74	0.61	0.64	0.57	0.82	1.02	0.94	0.85	0.71	0.70	0.56	0.65	0.76	0.80	0.79	0.68	0.76	0.76	24	1.02	0.56	0.75
2/11/08	0.85	0.84	0.86	0.83	0.83	0.81	0.69	0.73	0.65	0.71	0.65	0.57	0.44	0.39	0.33	0.35	0.37	0.35	0.21	0.16	0.12	0.09	0.07	0.13	24	0.86	0.07	0.50
2/12/08	0.14	0.14	0.19	0.26	0.28	0.16	0.11	0.10	0.08	0.13	0.39	0.30	0.36	0.28	0.32	0.38	0.30	0.21	0.35	0.13	0.08	0.15	0.15	0.22	24	0.39	0.08	0.22
2/13/08	0.19	0.16	0.09	0.08	0.21	0.22	0.18	0.48	0.29	0.41	0.54	0.63	0.75	0.63	0.54	0.45	0.25	0.25	0.36	0.12	0.12	0.12	0.27	0.30	24	0.75	0.08	0.32
2/14/08	0.31	0.35	0.33	0.38	0.36	0.35	0.35	0.38	0.34	0.27	0.30	0.37	0.44	0.43	0.56	0.45	0.26	0.13	0.02	0.07	0.00	0.20	0.17	0.16	24	0.56	0.00	0.29
2/15/08	0.18	0.11	0.10	0.14	0.16	0.11	0.12	0.11	0.13	0.11	0.20	0.53	0.49	0.57	0.39	0.32	0.29	0.13	0.08	0.08	0.07	0.08	0.13	0.07	24	0.57	0.07	0.20
2/16/08	0.10	0.09	0.15	0.12	0.14	0.16	0.18	0.09	0.09	0.14	0.42	0.38	0.45	0.48	0.43	0.22	0.16	0.20	0.34	0.38	0.57	0.57	0.43	0.44	24	0.57	0.09	0.28
2/17/08	0.46	0.60	0.54	0.60	0.71	0.50	0.25	0.40	0.64	0.96	0.94	0.89	0.94	1.03	1.12	1.12	0.91	0.84	0.73	0.52	0.19	0.34	0.26	0.59	24	1.12	0.19	0.67
2/18/08	0.68	0.62	0.46	0.66	0.56	0.45	0.38	0.32	0.48	0.71	0.89	0.96	1.18	0.97	1.01	0.84	0.72	0.38	0.12	0.08	0.13	0.11	0.13	0.16	24	1.18	0.08	0.54
2/19/08	0.24	0.10	0.12	0.09	0.10	0.08	0.10	0.27	0.39	0.39	0.53	0.81	0.99	0.97	1.04	0.90	0.71	0.46	0.27	0.31	0.39	0.39	0.40	0.46	24	1.04	0.08	0.44
2/20/08	0.51	0.59	0.42	0.35	0.34	0.23	0.28	0.28	0.44	0.56	0.68	0.72	0.78	0.89	1.00	0.91	0.85	0.60	0.41	0.41	0.53	0.51	0.44	0.30	24	1.00	0.23	0.54
2/21/08	0.38	0.28	0.30	0.27	0.29	0.32	0.43	0.17	0.22	0.37	0.50	0.58	0.66	0.70	0.50	0.46	0.40	0.40	0.11	0.15	0.08	0.09	0.11	0.08	24	0.70	0.08	0.33
2/22/08	0.13	0.10	0.15	0.15	0.10	0.11	0.05	0.13	0.14	0.22	0.31	0.39	0.63	0.77	0.72	0.58	0.52	0.32	0.34	0.43	0.30	0.17	0.33	0.17	24	0.77	0.05	0.30
2/23/08	0.39	0.28	0.11	0.08	0.09	0.07	0.13	0.07	0.02	0.25	0.39	0.54	0.65	0.70	0.80	0.68	0.48	0.17	0.21	0.19	0.00	0.00	0.04	0.23	24	0.80	0.00	0.27
2/24/08	0.14	0.10	0.11	0.11	0.10	0.10	0.12	0.20	0.19	0.21	0.31	0.35	0.52	0.51	0.43	0.44	0.50	0.22	0.14	0.10	0.06	0.13	0.10	0.00	24	0.52	0.00	0.22
2/25/08	0.20	0.33	0.42	0.35	0.39	0.58	0.65	0.54	0.52	0.58	0.58	0.81	0.98	0.94	1.03	0.96	0.81	0.61	0.29	0.17	0.17	0.12	0.16	0.17	24	1.03	0.12	0.52
2/26/08	0.16	0.15	0.66	0.82	0.67	0.73	0.66	0.68	0.54	0.79	0.84	0.97	1.05	1.07	1.01	0.92	0.69	0.37	0.13	0.18	0.15	0.19	0.01	0.14	24	1.07	0.01	0.57
2/27/08	0.20	0.30	0.13	0.12	0.20	0.31	0.33	0.22	0.23	0.36	0.69	0.79	0.83	0.97	0.81	0.69	0.46	0.19	0.33	0.33	0.14	0.14	0.20	0.62	24	0.97	0.12	0.40
2/28/08	0.42	0.35	0.27	0.32	0.34	0.83	0.90	0.35	0.29	0.59	0.79	0.94	0.97	1.04	0.90	0.89	0.60	0.39	0.12	0.22	0.48	0.62	0.40	0.32	24	1.04	0.12	0.56
2/29/08	0.22	0.28	0.38	0.48	0.37	0.32	0.27	0.22	0.45	0.75	0.93	0.98	1.05	1.04	0.98	0.88	0.70	0.30	0.10	0.00	0.04	0.34	0.19	0.30	24	1.05	0.00	0.48
																									0			
																									0			
hr max	0.85	0.84	0.89	0.83	0.83	0.88	0.96	1.07	1.09	1.14	1.09	1.02	1.18	1.16	1.12	1.12	0.95	0.87	0.76	0.80	0.85	0.77	0.76	0.76				
hr min	0.10	0.09	0.09	0.08	0.09	0.07	0.05	0.07	0.02	0.11	0.20	0.24	0.32	0.28	0.32	0.22	0.16	0.12	0.02	0.00	0.00	0.00	0.01	0.00				
average	0.32	0.34	0.35	0.34	0.33	0.35	0.35	0.32	0.34	0.46	0.57	0.64	0.72	0.76	0.73	0.65	0.52	0.35	0.27	0.25	0.23	0.25	0.25	0.28				

monthly max hr	monthly min hr	monthly ave hr
1.18	0.00	0.41
2/18/08	2/14/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	628
possible hours	696
data capture	90.2%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
degC
2mT

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	-9.6	-9.4	-9.3	-9.5	-9.3	-8.7	-9.6	-11.2	-10.4	-6.0	-1.6	-0.6	0.6	1.4	1.7	2.3	2.3	-0.9	-4.2	-4.4	-6.3	-6.4	-5.3	-7.2	24	2.3	-11.2	-5.1
2/2/08	-9.4	-10.4	-10.2	-9.0	-8.4	-8.0	-7.6	-7.5	-7.3	-6.9	-6.6	-6.2	-5.8	-5.5	-4.6	-3.0	-3.0	-5.5	-8.2	-7.4	-7.8	-8.0	-8.3	-8.3	24	-3.0	-10.4	-7.2
2/3/08	-8.4	-8.3	-8.5	-9.2	-10.8	-12.3	-13.2	-10.9	-9.2	-6.5	-4.3	-2.4	-0.2	3.1	4.8	6.0	5.5	2.3	1.0	0.4	0.0	-0.4	-0.1	-0.5	24	6.0	-13.2	-3.4
2/4/08	-0.7	-0.8	-1.2	-1.6	-1.7	-2.0	-2.1	-2.2	-2.3	-2.0	-1.7	-1.5	-1.3	-1.2	-1.4	-3.8	-4.9	-6.1	-7.1	-7.9	-9.0	-10.4	-11.5	-12.3	24	-0.7	-12.3	-4.0
2/5/08	-12.9	-14.1	-14.0	-14.2	-13.4	-12.9	-13.0	-13.3	-13.3	-12.8	-11.9	-10.4	-9.5	-8.2	-7.9	-7.6	-7.9	-10.2	-12.4	-14.0	-14.6	-14.2	-16.4	-17.7	24	-7.6	-17.7	-12.4
2/6/08	-16.9	-16.8	-16.1	-15.8	-15.9	-16.9	-16.2	-15.8	-14.5	-11.5	-9.2	-7.2	-5.6	-3.9	-3.0	-2.5	-3.0	-5.0	-5.8	-5.5	-4.8	-4.9	-5.2	-5.9	24	-2.5	-16.9	-9.5
2/7/08	-5.8	-5.1	-4.5	-5.4	-7.7	-9.7	-10.6	-11.0	-9.7	-7.4	-5.2	-2.2	-0.3	0.0	0.2	-0.5	-1.3	-2.2	-3.4	-4.4	-5.3	-6.4	-6.8	-6.6	24	0.2	-11.0	-5.1
2/8/08	-6.1	-5.3	-5.6	-5.7	-5.6	-5.3	-6.4	-4.8	-3.9	-3.0	-2.0	-1.0	-0.2	1.0	1.5	1.7	1.9	0.1	-2.7	-3.7	-3.4	-4.2	-3.9	-4.0	24	1.9	-6.4	-2.9
2/9/08	-2.5	-1.4	-2.6	-8.3	-13.0	-14.6	-15.8	-16.3	-16.9	-16.9	-16.6	-16.8	-16.2	-15.4	-15.6	-16.5	-17.0	-17.8	-18.8	-19.0	-19.2	-19.2	-19.4	-19.6	24	-1.4	-19.6	-14.8
2/10/08	-19.7	-19.9	-20.1	-20.4	-21.1	-21.6	-22.0	-22.7	-22.5	-22.1	-21.5	-20.8	-20.1	-18.8	-18.0	-17.6	-18.0	-18.4	-19.1	-19.6	-19.7	-19.9	-19.9	-19.6	24	-17.6	-22.7	-20.1
2/11/08	-19.1	-18.9	-18.6	-18.4	-18.2	-17.9	-17.7	-17.5	-17.2	-16.7	-16.2	-15.6	-15.3	-15.2	-15.1	-15.1	-15.1	-15.1	-15.3	-15.3	-15.4	-15.5	-15.5	-15.5	24	-15.1	-19.1	-16.5
2/12/08	-15.4	-15.3	-15.3	-15.2	-15.5	-17.6	-20.5	-22.3	-19.8	-15.8	-13.4	-11.8	-9.7	-9.1	-8.6	-8.2	-8.2	-10.1	-11.6	-12.4	-6.8	-4.6	-4.4	-4.8	24	-4.4	-22.3	-12.4
2/13/08	-4.9	-5.7	-6.3	-6.5	-7.1	-10.0	-9.6	-9.0	-8.6	-7.3	-5.9	-5.2	-4.8	-4.6	-4.3	-4.4	-4.8	-5.0	-4.9	-5.4	-5.5	-5.8	-6.7	-11.0	24	-4.3	-11.0	-6.4
2/14/08	-13.4	-14.0	-15.7	-17.2	-18.7	-19.1	-19.5	-20.7	-23.2	-23.0	-21.7	-19.9	-18.9	-18.0	-17.4	-17.0	-17.0	-17.6	-19.0	-20.9	-23.1	-22.5	-22.6	-22.2	24	-13.4	-23.2	-19.3
2/15/08	-21.7	-21.9	-20.5	-19.5	-19.0	-19.4	-18.6	-18.3	-17.0	-13.0	-10.0	-6.0	-3.9	-2.4	-1.7	-1.0	-1.2	-2.8	-5.9	-6.1	-6.4	-7.8	-7.6	-7.1	24	-1.0	-21.9	-10.8
2/16/08	-6.3	-5.8	-6.8	-7.0	-5.7	-5.1	-5.2	-5.8	-5.7	-3.7	-1.1	-0.7	0.4	2.3	3.0	3.6	4.0	3.4	2.8	2.2	1.7	1.5	1.1	0.9	24	4.0	-7.0	-1.3
2/17/08	0.5	0.4	0.0	-0.1	-0.6	-2.2	-3.4	-2.4	-1.4	-0.9	-0.9	-0.4	-0.5	-0.8	-2.3	-2.3	-5.7	-8.1	-9.7	-10.9	-12.3	-13.0	-13.6	-13.4	24	0.5	-13.6	-4.3
2/18/08	-13.7	-16.0	-16.9	-18.4	-19.6	-20.1	-20.8	-21.5	-21.0	-19.7	-18.3	-17.0	-15.5	-14.5	-13.7	-13.2	-13.3	-14.3	-16.8	-17.8	-17.9	-19.1	-20.7	-20.1	24	-13.2	-21.5	-17.5
2/19/08	-19.1	-19.1	-16.3	-14.2	-12.9	-12.5	-11.8	-10.9	-9.5	-8.1	-6.5	-6.0	-7.2	-8.7	-9.4	-10.6	-12.2	-14.3	-16.6	-18.8	-20.5	-22.3	-24.0	-24.9	24	-6.0	-24.9	-14.0
2/20/08	-25.5	-26.0	-26.7	-27.4	-27.7	-28.3	-28.8	-28.8	-27.8	-25.5	-22.9	-20.8	-19.0	-17.3	-15.9	-14.9	-14.9	-15.2	-15.9	-16.0	-16.3	-16.5	-16.8	-16.8	24	-14.9	-28.8	-21.3
2/21/08	-16.8	-16.9	-17.0	-17.3	-17.4	-17.9	-19.7	-20.3	-17.9	-14.9	-12.6	-10.4	-8.2	-6.9	-6.5	-6.5	-6.9	-7.4	-9.9	-11.3	-12.1	-12.2	-12.1	-12.3	24	-6.5	-20.3	-13.0
2/22/08	-12.5	-11.5	-11.7	-12.2	-12.5	-12.8	-12.5	-10.2	-11.0	-6.5	-4.0	-1.7	0.2	1.3	2.1	2.7	2.8	1.5	-2.2	-4.1	-6.4	-6.7	-7.1	-8.4	24	2.8	-12.8	-6.0
2/23/08	-8.0	-7.8	-8.2	-9.2	-9.2	-10.8	-11.5	-11.7	-8.9	-5.8	-0.4	2.4	4.1	5.5	5.8	5.7	5.1	3.2	-0.9	-3.4	-3.6	-3.6	-3.9	-3.9	24	5.8	-11.7	-3.3
2/24/08	-4.1	-4.4	-4.8	-5.8	-4.8	-5.2	-5.1	-5.2	-3.6	-0.1	2.8	5.0	5.8	5.6	5.6	6.3	6.8	6.2	3.8	1.9	1.9	0.8	0.5	0.6	24	6.8	-5.8	0.4
2/25/08	0.5	0.7	-0.4	-1.7	-2.6	-4.3	-5.9	-6.2	-6.5	-7.5	-7.7	-7.2	-6.2	-5.9	-5.6	-4.8	-4.5	-5.0	-6.1	-7.3	-8.4	-9.4	-8.9	-8.6	24	0.7	-9.4	-5.4
2/26/08	-9.4	-9.0	-7.7	-7.4	-7.3	-7.0	-6.9	-6.9	-6.6	-5.7	-4.5	-2.9	-1.5	-0.1	1.4	1.7	1.6	0.6	-1.7	-2.1	-3.9	-5.4	-5.8	-5.7	24	1.7	-9.4	-4.3
2/27/08	-5.2	-5.6	-5.1	-5.3	-7.0	-7.2	-7.5	-8.0	-6.2	-3.5	-0.6	0.5	1.8	2.8	3.7	3.8	3.5	2.5	1.3	0.7	0.1	-0.1	-0.2	-0.3	24	3.8	-8.0	-1.7
2/28/08	-0.2	-0.1	-0.2	-0.4	-0.6	-0.5	-0.5	-0.2	0.5	3.2	6.2	7.7	8.9	9.4	8.9	8.7	7.5	5.9	3.5	3.0	1.6	0.7	-0.1	-1.0	24	9.4	-1.0	3.0
2/29/08	-1.9	-1.9	-2.0	-1.9	-2.1	-2.3	-2.8	-2.7	-1.3	0.7	2.8	4.4	5.2	5.8	6.3	6.6	6.7	5.9	1.2	-0.9	-0.1	-0.8	-1.9	-2.0	24	6.7	-2.8	0.9
																									0			
																									0			

hr max	0.5	0.7	0.0	-0.1	-0.6	-0.5	-0.5	-0.2	0.5	3.2	6.2	7.7	8.9	9.4	8.9	8.7	7.5	6.2	3.8	3.0	1.9	1.5	1.1	0.9
hr min	-25.5	-26.0	-26.7	-27.4	-27.7	-28.3	-28.8	-28.8	-27.8	-25.5	-22.9	-20.8	-20.1	-18.8	-18.0	-17.6	-18.0	-18.4	-19.1	-20.9	-23.1	-22.5	-24.0	-24.9
average	-9.9	-10.0	-10.1	-10.5	-10.9	-11.5	-11.9	-11.9	-11.1	-9.3	-7.4	-6.0	-4.9	-4.1	-3.7	-3.5	-3.8	-5.2	-7.1	-7.9	-8.4	-8.8	-9.2	-9.6

monthly max hr	monthly min hr	monthly ave hr
9.4	-28.8	-8.2
2/28/08	2/20/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
degC
10mT

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
2/1/08	-9.5	-9.3	-9.1	-9.2	-9.1	-8.6	-9.2	-9.5	-8.8	-6.4	-1.9	-1.0	-0.2	0.7	1.1	1.8	1.8	-0.3	-2.7	-3.2	-5.1	-5.8	-5.2	-6.2
2/2/08	-8.1	-9.1	-9.4	-9.0	-8.5	-8.1	-7.7	-7.5	-7.4	-7.0	-6.9	-6.5	-6.1	-5.8	-5.0	-4.0	-3.3	-5.0	-7.5	-7.5	-7.8	-8.1	-8.4	-8.4
2/3/08	-8.4	-8.3	-8.6	-9.2	-10.5	-11.5	-12.0	-10.1	-9.0	-6.8	-4.9	-3.1	-1.0	2.1	4.2	5.7	5.5	3.0	1.6	0.6	0.1	-0.3	0.0	-0.4
2/4/08	-0.7	-0.8	-1.3	-1.6	-1.8	-2.0	-2.1	-2.2	-2.3	-2.2	-1.9	-1.7	-1.5	-1.4	-1.6	-4.1	-5.1	-6.2	-7.2	-8.0	-9.1	-10.5	-11.6	-12.4
2/5/08	-13.0	-14.0	-14.1	-14.1	-13.5	-13.1	-13.2	-13.4	-13.5	-13.2	-12.6	-11.3	-10.3	-9.3	-8.7	-8.5	-8.3	-9.0	-10.9	-12.1	-12.0	-12.1	-12.0	-15.7
2/6/08	-15.0	-14.7	-14.8	-14.5	-14.9	-15.8	-15.6	-15.6	-14.4	-11.9	-9.9	-8.0	-6.9	-5.2	-3.8	-3.0	-3.0	-4.3	-4.8	-4.8	-4.8	-5.0	-5.3	-5.9
2/7/08	-5.7	-4.6	-4.1	-5.0	-6.7	-8.3	-9.0	-10.1	-9.3	-7.7	-5.4	-2.6	-1.2	-0.9	-0.5	-0.8	-1.4	-2.1	-3.1	-4.2	-5.0	-6.1	-6.3	-6.1
2/8/08	-5.8	-5.3	-5.7	-5.8	-5.5	-5.1	-5.8	-4.7	-3.9	-3.2	-2.4	-1.6	-1.0	0.0	0.6	1.1	1.7	0.8	-0.5	-0.9	-2.0	-2.6	-3.1	-3.2
2/9/08	-2.0	-1.1	-2.5	-8.4	-13.0	-14.7	-15.9	-16.4	-17.1	-17.4	-17.2	-17.5	-17.3	-16.5	-16.7	-17.3	-17.6	-18.1	-18.9	-19.1	-19.3	-19.4	-19.6	-19.8
2/10/08	-20.0	-20.2	-20.4	-20.7	-21.4	-21.9	-22.3	-22.9	-22.9	-22.8	-22.3	-21.4	-20.5	-19.3	-18.7	-18.4	-18.5	-18.8	-19.4	-19.9	-20.0	-20.1	-20.1	-19.9
2/11/08	-19.3	-19.1	-18.8	-18.6	-18.4	-18.1	-17.9	-17.7	-17.5	-17.1	-16.6	-16.1	-15.8	-15.6	-15.5	-15.5	-15.4	-15.4	-15.5	-15.5	-15.5	-15.5	-15.6	-15.6
2/12/08	-15.5	-15.5	-15.4	-15.4	-15.5	-16.3	-17.7	-19.6	-18.7	-16.4	-14.4	-12.9	-10.9	-10.0	-9.5	-8.8	-8.6	-10.0	-10.8	-9.1	-5.8	-4.3	-4.0	-4.1
2/13/08	-4.1	-5.0	-5.2	-5.6	-6.8	-8.7	-9.3	-9.0	-8.7	-7.5	-6.4	-5.8	-5.7	-5.4	-5.1	-4.9	-5.1	-5.1	-4.9	-5.0	-5.6	-5.8	-6.7	-11.2
2/14/08	-13.5	-14.1	-15.8	-17.3	-18.8	-19.2	-19.7	-20.8	-23.4	-23.5	-22.6	-21.0	-20.0	-19.2	-18.3	-17.7	-17.5	-17.6	-18.0	-18.5	-18.9	-19.6	-19.9	-19.9
2/15/08	-19.9	-20.3	-18.6	-18.5	-18.8	-19.2	-18.5	-18.1	-17.1	-13.6	-10.9	-6.9	-4.7	-3.1	-2.2	-1.5	-1.4	-2.6	-4.3	-3.6	-4.2	-5.1	-5.7	-5.2
2/16/08	-5.2	-5.2	-5.2	-4.8	-4.4	-4.9	-5.1	-5.7	-5.7	-4.4	-1.9	-1.2	-0.1	1.9	2.8	3.6	4.2	3.7	3.1	2.4	2.0	1.8	1.4	1.1
2/17/08	0.7	0.5	0.2	0.0	-0.4	-1.8	-3.0	-2.2	-1.3	-1.1	-1.2	-1.0	-1.0	-1.2	-2.6	-2.5	-6.0	-8.1	-9.5	-10.6	-11.9	-12.5	-13.2	-13.2
2/18/08	-13.7	-15.9	-16.9	-18.3	-19.5	-20.0	-20.7	-21.4	-21.3	-20.4	-19.4	-18.3	-16.9	-15.9	-15.0	-14.3	-14.0	-14.3	-15.9	-15.8	-15.6	-15.6	-17.7	-18.0
2/19/08	-18.4	-18.5	-16.4	-14.3	-13.0	-12.6	-11.8	-10.9	-9.6	-8.4	-7.3	-7.0	-8.4	-9.9	-10.5	-11.4	-12.6	-14.4	-16.5	-18.6	-20.3	-22.2	-23.9	-24.9
2/20/08	-25.6	-26.2	-26.8	-27.4	-27.8	-28.3	-28.8	-28.9	-28.3	-26.4	-23.9	-22.0	-20.3	-18.3	-16.8	-15.8	-15.5	-15.5	-16.0	-16.1	-16.4	-16.7	-17.0	-17.0
2/21/08	-17.0	-17.2	-17.3	-17.5	-17.6	-18.1	-19.4	-20.0	-18.3	-15.9	-13.4	-11.1	-8.9	-7.6	-7.1	-7.1	-7.3	-7.6	-8.6	-9.4	-11.3	-11.3	-10.5	-10.5
2/22/08	-10.5	-9.2	-8.8	-8.9	-9.3	-7.1	-7.1	-7.3	-10.9	-7.0	-4.9	-2.8	-0.8	0.3	1.4	2.2	2.5	1.9	0.7	0.1	-3.5	-5.3	-6.1	-5.9
2/23/08	-5.9	-6.3	-6.7	-6.7	-6.5	-9.1	-9.6	-9.3	-8.4	-6.2	-1.2	1.4	3.1	4.6	5.0	5.0	4.7	3.6	0.4	-2.0	-2.7	-2.9	-2.6	-2.9
2/24/08	-2.8	-2.4	-2.9	-4.0	-3.3	-2.0	-2.6	-3.4	-3.7	-0.5	2.4	4.6	5.2	5.0	5.2	5.8	6.4	6.2	5.7	4.8	4.5	3.0	2.4	2.2
2/25/08	1.3	1.1	-0.4	-1.6	-2.7	-4.4	-6.1	-6.4	-6.6	-7.8	-8.0	-7.7	-6.9	-6.6	-6.3	-5.6	-5.1	-5.0	-5.8	-7.0	-7.9	-8.4	-8.1	-8.1
2/26/08	-9.0	-8.7	-7.7	-7.5	-7.3	-7.1	-6.9	-6.9	-6.8	-6.1	-5.4	-4.2	-2.8	-1.3	0.4	1.0	1.2	0.7	-0.4	-1.1	-0.8	-2.0	-1.9	-2.0
2/27/08	-3.4	-4.5	-3.8	-4.2	-5.6	-6.0	-6.3	-6.4	-6.3	-4.0	-1.4	-0.6	1.0	1.9	2.9	3.2	3.3	2.7	1.8	1.0	0.4	0.1	-0.1	-0.3
2/28/08	-0.2	0.0	-0.1	-0.4	-0.6	-0.5	-0.5	-0.2	0.4	2.9	5.5	6.7	7.9	8.4	8.3	8.2	7.3	6.0	4.1	3.3	1.8	0.9	0.2	-0.6
2/29/08	-1.6	-1.7	-1.8	-1.6	-1.7	-2.0	-2.5	-2.5	-1.4	0.3	2.0	3.4	4.2	4.7	5.3	5.8	6.2	6.1	5.1	2.8	1.3	-0.1	-1.5	-1.7

hr max	1.3	1.1	0.2	0.0	-0.4	-0.5	-0.5	-0.2	0.4	2.9	5.5	6.7	7.9	8.4	8.3	8.2	7.3	6.2	5.7	4.8	4.5	3.0	2.4	2.2
hr min	-25.6	-26.2	-26.8	-27.4	-27.8	-28.3	-28.8	-28.9	-28.3	-26.4	-23.9	-22.0	-20.5	-19.3	-18.7	-18.4	-18.5	-18.8	-19.4	-19.9	-20.3	-22.2	-23.9	-24.9
average	-9.4	-9.5	-9.6	-10.0	-10.4	-10.8	-11.3	-11.3	-11.1	-9.7	-8.1	-6.8	-5.8	-4.9	-4.4	-4.1	-4.2	-5.0	-6.2	-6.8	-7.4	-8.0	-8.3	-8.8

valid hr count	daily max hr	daily min hr	daily ave hr
24	1.8	-9.5	-4.8
24	-3.3	-9.4	-7.2
24	5.7	-12.0	-3.4
24	-0.7	-12.4	-4.1
24	-8.3	-15.7	-12.0
24	-3.0	-15.8	-9.2
24	-0.5	-10.1	-4.8
24	1.7	-5.8	-2.7
24	-1.1	-19.8	-15.1
24	-18.4	-22.9	-20.5
24	-15.4	-19.3	-16.7
24	-4.0	-19.6	-12.1
24	-4.1	-11.2	-6.4
24	-13.5	-23.5	-19.0
24	-1.4	-20.3	-10.2
24	4.2	-5.7	-1.1
24	0.7	-13.2	-4.3
24	-13.7	-21.4	-17.3
24	-7.0	-24.9	-14.2
24	-15.5	-28.9	-21.7
24	-7.1	-20.0	-12.9
24	2.5	-10.9	-4.4
24	5.0	-9.6	-2.6
24	6.4	-4.0	1.5
24	1.3	-8.4	-5.4
24	1.2	-9.0	-3.9
24	3.3	-6.4	-1.4
24	8.4	-0.6	2.9
24	6.2	-2.5	1.1
0			
0			

monthly max hr	monthly min hr	monthly ave hr
8.4	-28.9	-8.0
2/28/08	2/20/08	

Validated by: Roger L. Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
degC
50mT

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	-8.8	-8.8	-8.1	-6.9	-6.2	-6.0	-5.9	-4.9	-4.0	-4.2	-2.3	-1.4	-0.7	0.1	0.5	1.2	1.2	-0.2	-0.9	-2.3	-3.5	-4.9	-5.3	-5.6	24	1.2	-8.8	-3.7
2/2/08	-6.5	-7.4	-8.3	-8.7	-8.7	-8.3	-7.8	-7.8	-7.8	-7.4	-7.3	-6.9	-6.5	-6.2	-5.4	-4.5	-4.5	-5.2	-6.8	-7.8	-8.2	-8.4	-8.7	-8.7	24	-4.5	-8.7	-7.2
2/3/08	-8.8	-8.7	-9.0	-9.6	-10.3	-10.6	-9.3	-6.8	-5.6	-6.4	-5.3	-3.5	-1.6	1.2	3.5	5.2	5.2	4.5	3.4	1.0	0.1	-0.5	-0.2	-0.7	24	5.2	-10.6	-3.0
2/4/08	-1.0	-1.2	-1.6	-1.9	-2.0	-2.3	-2.4	-2.5	-2.6	-2.5	-2.3	-2.1	-2.0	-1.9	-2.1	-4.6	-5.6	-6.7	-7.7	-8.5	-9.6	-11.0	-12.1	-12.8	24	-1.0	-12.8	-4.5
2/5/08	-13.4	-14.2	-14.6	-14.4	-14.0	-13.6	-13.7	-13.9	-14.1	-13.8	-13.3	-12.1	-11.1	-10.0	-9.5	-9.1	-8.8	-9.2	-10.3	-11.2	-11.0	-10.6	-10.4	-10.8	24	-8.8	-14.6	-12.0
2/6/08	-11.3	-11.6	-11.2	-11.1	-11.2	-11.3	-11.4	-12.5	-12.2	-12.0	-10.5	-8.6	-7.0	-5.7	-4.6	-3.7	-3.5	-3.6	-3.5	-3.4	-4.3	-5.2	-5.5	-5.3	24	-3.4	-12.5	-7.9
2/7/08	-4.6	-3.5	-4.0	-4.8	-5.8	-6.4	-6.8	-6.8	-7.1	-6.7	-5.4	-2.8	-1.9	-1.6	-1.1	-1.3	-1.7	-2.2	-3.0	-4.0	-4.3	-5.0	-4.9	-5.5	24	-1.1	-7.1	-4.2
2/8/08	-5.3	-5.3	-5.8	-6.0	-5.0	-4.6	-5.0	-4.6	-4.1	-3.5	-2.9	-2.1	-1.6	-0.6	0.0	0.6	1.2	1.1	1.1	1.0	1.0	1.0	0.3	-1.1	24	1.2	-6.0	-2.1
2/9/08	-1.3	-1.0	-2.8	-9.0	-13.5	-15.2	-16.4	-16.9	-17.7	-18.0	-18.0	-18.4	-18.2	-17.5	-17.6	-18.1	-18.3	-18.7	-19.5	-19.7	-19.8	-19.9	-20.2	-20.4	24	-1.0	-20.4	-15.7
2/10/08	-20.5	-20.8	-21.0	-21.3	-22.0	-22.5	-22.9	-23.5	-23.5	-23.5	-23.0	-22.2	-21.1	-19.9	-19.4	-19.1	-19.2	-19.4	-20.0	-20.4	-20.6	-20.7	-20.7	-20.5	24	-19.1	-23.5	-21.2
2/11/08	-19.8	-19.6	-19.4	-19.1	-18.9	-18.6	-18.5	-18.3	-18.0	-17.8	-17.2	-16.7	-16.4	-16.2	-16.1	-16.1	-16.0	-16.0	-15.9	-15.9	-16.0	-16.0	-16.0	-16.0	24	-15.9	-19.8	-17.3
2/12/08	-15.9	-15.9	-15.9	-15.8	-15.7	-16.0	-16.0	-16.0	-15.2	-15.0	-14.8	-13.5	-11.6	-10.7	-10.2	-9.5	-9.0	-9.2	-5.7	-4.0	-3.5	-3.3	-3.5	-3.8	24	-3.3	-16.0	-11.2
2/13/08	-4.0	-4.2	-4.4	-4.8	-6.1	-7.7	-8.9	-9.2	-8.9	-7.9	-6.9	-6.7	-6.7	-6.1	-5.8	-5.6	-5.7	-5.5	-5.2	-5.2	-5.9	-6.2	-7.1	-11.6	24	-4.0	-11.6	-6.5
2/14/08	-13.9	-14.5	-16.2	-17.8	-19.2	-19.7	-20.2	-21.4	-24.0	-24.1	-23.3	-21.8	-20.8	-19.9	-19.0	-18.4	-18.1	-18.0	-18.1	-18.1	-17.8	-17.4	-17.3	-17.1	24	-13.9	-24.1	-19.0
2/15/08	-16.3	-16.3	-13.6	-14.0	-16.1	-17.1	-15.8	-16.3	-15.1	-12.8	-11.2	-7.4	-5.3	-3.7	-2.7	-1.9	-1.7	-1.9	-1.6	-0.5	1.2	1.2	1.2	1.2	24	1.2	-17.1	-7.8
2/16/08	0.9	0.3	1.4	2.3	2.3	-2.9	-4.3	-4.6	-4.5	-4.3	-2.4	-1.5	-0.5	1.6	2.6	3.6	4.3	4.2	3.2	2.5	2.0	1.7	1.4	1.1	24	4.3	-4.6	0.4
2/17/08	0.6	0.4	0.1	-0.1	-0.6	-1.7	-2.6	-2.2	-1.6	-1.5	-1.7	-1.7	-1.6	-1.7	-3.1	-3.0	-6.5	-8.5	-9.8	-10.7	-11.5	-12.4	-13.0	-13.3	24	0.6	-13.3	-4.5
2/18/08	-14.0	-16.2	-17.3	-18.7	-19.8	-20.3	-21.0	-21.7	-21.8	-21.1	-20.2	-19.2	-17.8	-16.8	-15.8	-15.1	-14.7	-14.7	-15.3	-15.4	-15.5	-15.4	-15.8	-15.8	24	-14.0	-21.8	-17.5
2/19/08	-15.7	-14.9	-14.6	-13.7	-11.8	-11.8	-10.9	-9.8	-9.5	-8.9	-7.9	-7.9	-9.4	-10.9	-11.5	-12.3	-13.2	-14.8	-16.6	-18.8	-20.6	-22.6	-24.3	-25.3	24	-7.9	-25.3	-14.1
2/20/08	-26.1	-26.7	-27.2	-27.8	-28.3	-28.7	-29.2	-29.3	-28.9	-27.1	-24.8	-22.9	-21.3	-19.3	-17.6	-16.6	-16.2	-16.1	-16.4	-16.6	-16.9	-17.2	-17.6	-17.5	24	-16.1	-29.3	-22.3
2/21/08	-17.6	-17.7	-17.8	-18.1	-18.1	-18.6	-19.6	-19.4	-18.4	-16.6	-14.2	-11.8	-9.7	-8.3	-7.8	-7.8	-7.9	-8.1	-8.2	-8.2	-8.1	-7.9	-6.6	-6.2	24	-6.2	-19.6	-12.6
2/22/08	-5.9	-4.2	-3.3	-2.3	-2.2	-2.1	-3.0	-4.4	-7.1	-7.5	-5.6	-3.5	-1.6	-0.5	0.7	1.6	2.0	1.7	1.3	1.1	-0.2	-0.3	-0.7	-1.2	24	2.0	-7.5	-2.0
2/23/08	-1.8	-2.6	-1.1	-0.2	-0.6	-2.2	-3.6	-2.3	-2.8	-5.5	-1.8	0.7	2.3	3.8	4.2	4.3	4.2	3.5	0.9	-1.0	0.0	0.7	0.0	0.0	24	4.3	-5.5	0.0
2/24/08	0.6	0.9	1.1	0.0	1.4	1.9	0.5	0.3	1.0	-0.5	1.9	4.0	4.6	4.5	4.6	5.3	5.9	5.9	5.9	5.6	5.6	5.3	5.0	3.8	24	5.9	-0.5	3.1
2/25/08	2.8	1.5	-0.7	-2.0	-3.1	-4.9	-6.5	-6.8	-7.1	-8.5	-8.7	-8.4	-7.8	-7.5	-7.1	-6.4	-5.8	-5.5	-5.9	-6.9	-7.2	-7.4	-7.4	-7.5	24	2.8	-8.7	-5.6
2/26/08	-8.5	-8.3	-8.0	-7.9	-7.8	-7.5	-7.4	-7.3	-7.3	-6.8	-6.2	-5.0	-3.6	-2.1	-0.4	0.3	0.7	0.5	0.2	-0.2	-0.2	-0.5	-0.6	-0.6	24	0.7	-8.5	-3.9
2/27/08	-1.0	-0.7	-0.8	-1.8	-4.4	-4.7	-4.8	-5.7	-6.2	-4.6	-2.1	-1.4	0.2	1.2	2.2	2.6	2.8	2.6	2.4	1.3	1.1	0.6	0.2	-0.4	24	2.8	-6.2	-0.9
2/28/08	-0.3	-0.2	-0.4	-0.6	-0.9	-0.8	-0.6	-0.3	0.1	2.5	4.9	5.9	7.0	7.5	7.6	7.5	6.8	5.8	4.9	3.5	1.6	0.6	0.0	-0.6	24	7.6	-0.9	2.6
2/29/08	-1.4	-1.6	-1.7	-1.5	-1.7	-1.9	-2.4	-2.5	-1.6	-0.2	1.4	2.6	3.3	3.9	4.6	5.1	5.7	5.8	5.4	5.0	4.6	1.3	-1.1	-1.4	24	5.8	-2.5	1.2
																									0			
																									0			

hr max	2.8	1.5	1.4	2.3	2.3	1.9	0.5	0.3	1.0	2.5	4.9	5.9	7.0	7.5	7.6	7.5	6.8	5.9	5.9	5.6	5.6	5.3	5.0	3.8
hr min	-26.1	-26.7	-27.2	-27.8	-28.3	-28.7	-29.2	-29.3	-28.9	-27.1	-24.8	-22.9	-21.3	-19.9	-19.4	-19.1	-19.2	-19.4	-20.0	-20.4	-20.6	-22.6	-24.3	-25.3
average	-8.2	-8.4	-8.5	-8.9	-9.3	-9.9	-10.2	-10.3	-10.2	-9.9	-8.7	-7.5	-6.5	-5.6	-5.0	-4.7	-4.7	-5.1	-5.6	-6.1	-6.5	-6.9	-7.3	-7.7

monthly	monthly	monthly
max hr	min hr	ave hr
7.6	-29.3	-7.6
2/28/08	2/20/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
degC
100mT

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	-7.5	-7.5	-6.4	-5.4	-4.4	-3.3	-3.0	-2.0	-0.2	-0.8	-0.9	-0.1	-0.6	-0.4	0.1	0.7	0.7	-0.6	-1.2	-2.2	-3.3	-4.6	-5.4	-5.8	24	0.7	-7.5	-2.7
2/2/08	-6.5	-7.4	-8.1	-8.4	-8.4	-8.2	-7.7	-7.9	-8.1	-7.8	-7.6	-7.3	-6.8	-6.5	-5.7	-4.8	-4.8	-5.4	-6.5	-7.8	-8.5	-8.6	-8.2	-8.8	24	-4.8	-8.8	-7.3
2/3/08	-9.1	-9.1	-9.2	-8.2	-7.2	-7.4	-5.9	-4.8	-4.1	-4.1	-4.4	-3.6	-1.4	0.8	3.0	4.6	4.8	4.4	3.8	1.6	0.0	-0.6	-0.4	-1.0	24	4.8	-9.2	-2.4
2/4/08	-1.4	-1.6	-1.9	-2.2	-2.3	-2.6	-2.7	-2.8	-2.9	-2.9	-2.7	-2.6	-2.4	-2.3	-2.4	-5.0	-6.1	-7.2	-8.2	-9.0	-10.1	-11.5	-12.6	-13.3	24	-1.4	-13.3	-4.9
2/5/08	-13.8	-14.5	-15.0	-14.8	-14.5	-14.1	-14.2	-14.4	-14.5	-14.3	-13.8	-12.7	-11.6	-10.6	-10.0	-9.6	-9.3	-9.7	-10.4	-11.1	-10.7	-10.3	-10.2	-10.4	24	-9.3	-15.0	-12.3
2/6/08	-10.5	-10.8	-10.4	-10.5	-10.6	-10.8	-10.8	-10.6	-9.9	-9.4	-9.5	-8.7	-7.5	-6.2	-5.1	-4.2	-3.9	-3.9	-3.8	-3.6	-4.4	-5.2	-5.5	-4.0	24	-3.6	-10.8	-7.5
2/7/08	-2.5	-2.7	-4.0	-4.9	-5.7	-5.8	-5.9	-5.8	-5.1	-4.4	-4.1	-3.1	-2.5	-2.2	-1.7	-1.8	-2.0	-2.3	-2.7	-3.2	-3.2	-2.9	-3.3	-4.1	24	-1.7	-5.9	-3.6
2/8/08	-4.1	-4.1	-4.5	-4.7	-4.0	-3.9	-5.0	-4.3	-4.2	-3.9	-3.3	-2.6	-2.1	-1.1	-0.5	0.0	0.7	0.8	0.8	0.9	1.3	1.3	1.6	0.3	24	1.6	-5.0	-1.9
2/9/08	-0.5	-1.1	-3.1	-9.5	-14.0	-15.7	-16.8	-17.3	-18.2	-18.5	-18.5	-18.9	-18.7	-18.0	-18.2	-18.6	-18.8	-19.2	-20.0	-20.1	-20.2	-20.4	-20.7	-20.9	24	-0.5	-20.9	-16.1
2/10/08	-21.0	-21.3	-21.5	-21.8	-22.5	-23.0	-23.4	-23.9	-24.0	-24.0	-23.5	-22.7	-21.7	-20.4	-19.9	-19.6	-19.7	-19.9	-20.5	-21.0	-21.1	-21.2	-21.2	-20.9	24	-19.6	-24.0	-21.7
2/11/08	-20.3	-20.1	-19.8	-19.6	-19.4	-19.1	-18.9	-18.8	-18.5	-18.3	-17.8	-17.3	-16.9	-16.7	-16.6	-16.6	-16.5	-16.5	-16.4	-16.4	-16.4	-16.4	-16.4	-16.4	24	-16.4	-20.3	-17.8
2/12/08	-16.2	-16.3	-16.2	-16.1	-15.3	-15.5	-15.4	-15.6	-15.2	-14.6	-14.5	-13.4	-11.1	-11.0	-10.2	-9.4	-7.4	-4.6	-3.8	-3.2	-2.8	-3.3	-3.5	-3.5	24	-2.8	-16.3	-10.8
2/13/08	-4.3	-4.6	-4.8	-5.2	-6.0	-6.9	-7.8	-8.7	-8.6	-8.1	-7.2	-7.0	-7.1	-6.7	-6.4	-6.1	-6.1	-5.8	-5.6	-5.6	-6.0	-6.4	-7.5	-11.9	24	-4.3	-11.9	-6.7
2/14/08	-14.3	-14.9	-16.6	-18.2	-19.7	-20.1	-20.7	-21.8	-24.4	-24.5	-23.8	-22.3	-21.4	-20.5	-19.6	-19.0	-18.7	-18.5	-18.5	-18.3	-17.9	-17.0	-16.4	-14.7	24	-14.3	-24.5	-19.2
2/15/08	-12.8	-13.4	-10.7	-11.6	-13.4	-13.3	-11.5	-10.3	-9.5	-7.9	-6.7	-7.1	-5.3	-4.0	-2.7	-2.0	-0.8	-0.4	0.3	0.8	2.1	2.4	2.8	3.2	24	3.2	-13.4	-5.5
2/16/08	3.5	2.7	3.9	4.4	4.5	2.0	-0.9	-1.7	-2.0	-1.5	-2.5	-0.7	-0.1	1.6	3.0	4.0	4.4	4.3	3.0	2.3	1.7	1.5	1.3	0.9	24	4.5	-2.5	1.7
2/17/08	0.4	0.1	-0.2	-0.4	-0.9	-1.8	-2.3	-2.2	-1.9	-2.0	-2.2	-2.2	-2.2	-2.2	-3.5	-3.5	-7.0	-8.9	-10.1	-11.0	-11.4	-12.3	-13.0	-13.3	24	0.4	-13.3	-4.8
2/18/08	-14.5	-16.7	-17.7	-19.1	-20.1	-20.6	-21.3	-22.0	-22.2	-21.6	-20.7	-19.7	-18.4	-17.4	-16.4	-15.6	-15.2	-15.2	-15.5	-15.7	-15.7	-15.6	-15.4	-14.4	24	-14.4	-22.2	-17.8
2/19/08	-14.6	-13.6	-12.5	-11.5	-10.1	-9.4	-8.3	-7.4	-7.7	-8.8	-8.4	-8.4	-9.9	-11.5	-12.1	-12.8	-13.8	-15.3	-17.0	-19.1	-21.0	-23.0	-24.7	-25.8	24	-7.4	-25.8	-13.6
2/20/08	-26.5	-27.1	-27.6	-28.3	-28.7	-29.1	-29.6	-29.7	-29.3	-27.5	-25.3	-23.4	-21.8	-19.8	-18.2	-17.1	-16.8	-16.6	-16.9	-17.1	-17.4	-17.7	-18.1	-18.0	24	-16.6	-29.7	-22.8
2/21/08	-18.0	-18.2	-18.3	-18.5	-18.6	-19.0	-19.1	-18.3	-17.4	-16.7	-14.7	-12.3	-10.3	-8.8	-8.2	-8.2	-8.4	-8.5	-8.6	-8.0	-6.2	-6.0	-4.3	-3.4	24	-3.4	-19.1	-12.4
2/22/08	-3.6	-2.6	-2.1	-2.0	-2.1	-2.2	-2.8	-3.4	-4.7	-6.2	-6.0	-4.0	-2.1	-1.0	0.2	1.1	1.5	1.3	1.0	0.8	0.3	0.4	0.1	-0.3	24	1.5	-6.2	-1.6
2/23/08	-0.3	-0.3	0.1	0.0	-0.1	-0.4	-0.3	-0.4	-0.7	-2.1	-2.0	0.2	1.7	3.3	3.7	3.8	3.7	3.1	1.6	1.3	2.0	1.4	1.0	1.8	24	3.8	-2.1	0.9
2/24/08	2.2	2.5	2.4	1.7	2.3	2.1	1.3	1.7	2.4	2.3	1.7	3.6	4.1	4.0	4.2	4.8	5.5	5.5	5.5	5.4	5.4	5.3	5.0	4.4	24	5.5	1.3	3.6
2/25/08	4.0	1.3	-1.1	-2.4	-3.6	-5.4	-7.0	-7.2	-7.5	-8.9	-9.3	-9.1	-8.4	-8.0	-7.7	-7.0	-6.4	-6.0	-6.2	-6.9	-6.9	-7.3	-6.9	-6.9	24	4.0	-9.3	-5.9
2/26/08	-7.4	-7.7	-8.2	-8.4	-8.2	-8.0	-7.8	-7.8	-7.8	-7.3	-6.8	-5.6	-4.2	-2.7	-1.0	-0.2	0.2	0.1	-0.1	-0.3	-0.4	-0.6	-0.6	-0.6	24	0.2	-8.4	-4.2
2/27/08	-0.7	-0.6	-0.6	0.5	-2.4	-3.2	-2.7	-5.0	-6.0	-4.8	-2.7	-1.9	-0.4	0.7	1.7	2.1	2.3	2.2	2.1	1.7	1.5	1.4	0.9	-0.3	24	2.3	-6.0	-0.6
2/28/08	-0.2	-0.2	-0.4	-0.7	-1.0	-0.9	-0.4	-0.2	0.3	2.3	4.4	5.3	6.4	7.0	7.1	6.9	6.3	5.4	4.8	3.4	1.2	0.2	-0.2	-0.6	24	7.1	-1.0	2.3
2/29/08	-1.1	-1.5	-1.5	-1.5	-1.6	-1.7	-2.2	-2.1	-1.7	-0.7	0.8	2.0	2.7	3.3	4.0	4.6	5.1	5.3	5.1	4.9	4.5	2.4	0.2	0.0	24	5.3	-2.2	1.2
																									0			
																									0			
hr max	4.0	2.7	3.9	4.4	4.5	2.1	1.3	1.7	2.4	2.3	4.4	5.3	6.4	7.0	7.1	6.9	6.3	5.5	5.5	5.4	5.4	5.3	5.0	4.4				
hr min	-26.5	-27.1	-27.6	-28.3	-28.7	-29.1	-29.6	-29.7	-29.3	-27.5	-25.3	-23.4	-21.8	-20.5	-19.9	-19.6	-19.7	-19.9	-20.5	-21.0	-21.1	-23.0	-24.7	-25.8				
average	-7.6	-8.0	-8.1	-8.5	-8.9	-9.2	-9.4	-9.5	-9.4	-9.2	-8.7	-7.8	-6.9	-6.1	-5.5	-5.1	-5.1	-5.2	-5.7	-6.1	-6.3	-6.7	-7.0	-7.2				

monthly max hr	monthly min hr	monthly ave hr
7.1	-29.7	-7.4
2/28/08	2/20/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
degC
10-2

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	0.15	0.14	0.18	0.34	0.25	0.16	0.41	1.75	1.51	-0.38	-0.36	-0.44	-0.76	-0.71	-0.54	-0.50	-0.50	0.53	1.56	1.21	1.16	0.59	0.09	1.05	24	1.75	-0.76	0.29
2/2/08	1.23	1.30	0.77	-0.08	-0.12	-0.12	-0.08	-0.04	-0.11	-0.20	-0.27	-0.33	-0.34	-0.35	-0.39	-1.05	-0.34	0.56	0.76	-0.11	-0.09	-0.06	-0.01	-0.04	24	1.30	-1.05	0.02
2/3/08	-0.06	-0.07	-0.06	0.00	0.28	0.80	1.19	0.82	0.28	-0.26	-0.56	-0.67	-0.83	-0.96	-0.64	-0.30	0.03	0.74	0.59	0.25	0.11	0.06	0.07	0.04	24	1.19	-0.96	0.04
2/4/08	0.00	-0.02	-0.06	-0.04	-0.03	-0.02	-0.02	-0.03	-0.04	-0.12	-0.19	-0.24	-0.21	-0.19	-0.24	-0.28	-0.19	-0.11	-0.10	-0.09	-0.12	-0.14	-0.13	-0.11	24	0.00	-0.28	-0.11
2/5/08	-0.02	0.09	-0.12	0.05	-0.13	-0.16	-0.16	-0.16	-0.22	-0.41	-0.69	-0.92	-0.81	-1.02	-0.85	-0.86	-0.42	1.19	1.48	1.84	2.58	2.10	4.46	2.05	24	4.46	-1.02	0.37
2/6/08	1.88	2.05	1.26	1.25	1.07	1.19	0.62	0.25	0.09	-0.38	-0.66	-0.79	-1.26	-1.26	-0.81	-0.50	-0.03	0.69	1.00	0.65	-0.01	-0.13	-0.07	0.01	24	2.05	-1.26	0.25
2/7/08	0.07	0.50	0.32	0.40	0.93	1.44	1.58	0.91	0.43	-0.33	-0.21	-0.39	-0.85	-0.90	-0.62	-0.29	-0.05	0.09	0.28	0.21	0.29	0.29	0.50	0.50	24	1.58	-0.90	0.21
2/8/08	0.32	0.05	-0.08	-0.11	0.13	0.29	0.61	0.17	0.00	-0.17	-0.41	-0.65	-0.78	-1.00	-0.83	-0.60	-0.26	0.68	2.18	2.78	1.42	1.63	0.83	0.79	24	2.78	-1.00	0.29
2/9/08	0.47	0.30	0.13	-0.18	-0.04	-0.11	-0.08	-0.07	-0.21	-0.47	-0.62	-0.75	-1.04	-1.19	-1.09	-0.78	-0.53	-0.28	-0.17	-0.11	-0.07	-0.16	-0.22	-0.24	24	0.47	-1.19	-0.31
2/10/08	-0.24	-0.26	-0.27	-0.28	-0.28	-0.31	-0.32	-0.25	-0.45	-0.70	-0.83	-0.64	-0.42	-0.51	-0.71	-0.73	-0.47	-0.34	-0.28	-0.27	-0.26	-0.27	-0.25	-0.26	24	-0.24	-0.83	-0.40
2/11/08	-0.21	-0.22	-0.21	-0.20	-0.19	-0.18	-0.20	-0.21	-0.27	-0.41	-0.39	-0.46	-0.40	-0.40	-0.43	-0.43	-0.38	-0.29	-0.15	-0.12	-0.09	-0.04	-0.10	-0.09	24	-0.04	-0.46	-0.25
2/12/08	-0.09	-0.16	-0.17	-0.13	0.02	1.27	2.73	2.69	1.11	-0.65	-1.05	-1.13	-1.19	-0.94	-0.90	-0.69	-0.42	0.16	0.82	3.29	0.96	0.27	0.44	0.65	24	3.29	-1.19	0.29
2/13/08	0.78	0.72	1.16	0.81	0.27	1.27	0.31	-0.03	-0.13	-0.26	-0.51	-0.61	-0.90	-0.75	-0.78	-0.55	-0.29	-0.15	0.07	0.36	-0.05	-0.06	-0.08	-0.12	24	1.27	-0.90	0.02
2/14/08	-0.09	-0.08	-0.10	-0.12	-0.11	-0.14	-0.17	-0.13	-0.20	-0.50	-0.92	-1.07	-1.16	-1.11	-0.87	-0.72	-0.49	-0.07	0.99	2.40	4.26	2.87	2.67	2.36	24	4.26	-1.16	0.31
2/15/08	1.79	1.57	1.90	1.06	0.23	0.16	0.18	0.15	-0.12	-0.52	-0.88	-0.93	-0.77	-0.73	-0.56	-0.44	-0.24	0.20	1.59	2.47	2.22	2.70	1.95	1.91	24	2.70	-0.93	0.62
2/16/08	1.13	0.57	1.66	2.18	1.32	0.28	0.12	0.19	-0.02	-0.73	-0.74	-0.43	-0.50	-0.40	-0.24	-0.01	0.25	0.37	0.27	0.24	0.26	0.30	0.29	0.22	24	2.18	-0.74	0.27
2/17/08	0.17	0.18	0.17	0.15	0.22	0.40	0.40	0.20	0.04	-0.19	-0.28	-0.65	-0.52	-0.38	-0.33	-0.25	-0.29	0.01	0.23	0.28	0.48	0.48	0.43	0.21	24	0.48	-0.65	0.05
2/18/08	0.06	0.10	0.02	0.09	0.14	0.10	0.08	0.06	-0.31	-0.73	-1.07	-1.27	-1.41	-1.37	-1.29	-1.02	-0.63	0.03	0.89	1.95	2.32	3.49	3.02	2.08	24	3.49	-1.41	0.22
2/19/08	0.75	0.62	-0.04	-0.07	-0.05	-0.13	-0.10	-0.07	-0.11	-0.36	-0.76	-0.99	-1.12	-1.17	-1.09	-0.83	-0.38	-0.04	0.16	0.22	0.15	0.04	0.03	-0.02	24	0.75	-1.17	-0.22
2/20/08	-0.10	-0.20	-0.08	-0.05	-0.13	-0.01	0.00	-0.09	-0.52	-0.88	-1.02	-1.22	-1.33	-1.06	-0.87	-0.81	-0.57	-0.29	-0.08	-0.10	-0.13	-0.16	-0.22	-0.22	24	0.00	-1.33	-0.42
2/21/08	-0.21	-0.22	-0.23	-0.24	-0.22	-0.18	0.31	0.31	-0.41	-1.01	-0.79	-0.68	-0.68	-0.64	-0.63	-0.64	-0.47	-0.20	1.22	1.82	0.75	0.92	1.60	1.86	24	1.86	-1.01	0.06
2/22/08	1.95	2.28	2.86	3.33	3.20	5.76	5.45	2.87	0.05	-0.57	-0.91	-1.04	-1.00	-0.98	-0.72	-0.54	-0.30	0.35	2.86	4.19	2.94	1.39	1.03	2.49	24	5.76	-1.04	1.54
2/23/08	2.08	1.55	1.52	2.43	2.67	1.70	1.85	2.43	0.55	-0.41	-0.78	-1.00	-1.05	-0.96	-0.83	-0.70	-0.43	0.34	1.26	1.34	0.90	0.67	1.26	1.03	24	2.67	-1.05	0.73
2/24/08	1.34	1.98	1.91	1.80	1.52	3.18	2.49	1.77	-0.12	-0.39	-0.39	-0.44	-0.61	-0.61	-0.43	-0.46	-0.37	0.09	1.98	2.88	2.66	2.24	1.84	1.62	24	3.18	-0.61	1.06
2/25/08	0.74	0.38	0.02	0.02	-0.04	-0.10	-0.13	-0.12	-0.17	-0.27	-0.31	-0.47	-0.78	-0.69	-0.71	-0.74	-0.56	-0.04	0.32	0.35	0.46	0.97	0.75	0.50	24	0.97	-0.78	-0.03
2/26/08	0.41	0.27	0.01	-0.05	-0.05	-0.04	-0.03	-0.05	-0.21	-0.48	-0.93	-1.28	-1.31	-1.22	-1.00	-0.72	-0.34	0.13	1.33	1.07	3.15	3.37	3.97	3.69	24	3.97	-1.31	0.40
2/27/08	1.85	1.09	1.31	1.07	1.39	1.25	1.21	1.61	-0.16	-0.54	-0.81	-1.10	-0.80	-0.82	-0.73	-0.53	-0.25	0.23	0.46	0.26	0.26	0.17	0.14	0.05	24	1.85	-1.10	0.28
2/28/08	0.04	0.04	0.03	0.03	0.02	0.01	0.02	-0.01	-0.15	-0.33	-0.65	-1.01	-1.02	-0.99	-0.59	-0.57	-0.22	0.12	0.63	0.28	0.15	0.15	0.25	0.39	24	0.63	-1.02	-0.14
2/29/08	0.29	0.25	0.26	0.30	0.34	0.35	0.30	0.19	-0.08	-0.44	-0.76	-1.00	-1.06	-1.12	-1.03	-0.84	-0.46	0.20	3.92	3.78	1.46	0.70	0.37	0.30	24	3.92	-1.12	0.26
																									0			
																									0			
hr max	2.08	2.28	2.86	3.33	3.20	5.76	5.45	2.87	1.51	-0.12	-0.19	-0.24	-0.21	-0.19	-0.24	-0.01	0.25	1.19	3.92	4.19	4.26	3.49	4.46	3.69				
hr min	-0.24	-0.26	-0.27	-0.28	-0.28	-0.31	-0.32	-0.25	-0.52	-1.01	-1.07	-1.28	-1.41	-1.37	-1.29	-1.05	-0.63	-0.34	-0.28	-0.27	-0.26	-0.27	-0.25	-0.26				
average	0.57	0.51	0.49	0.47	0.43	0.62	0.64	0.52	0.00	-0.45	-0.65	-0.78	-0.86	-0.84	-0.72	-0.60	-0.33	0.17	0.90	1.15	0.97	0.84	0.86	0.78				

monthly	monthly	monthly
max hr	min hr	ave hr
5.76	-1.41	0.20
2/22/08	2/18/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
degC
50-10

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid hr count	daily max hr	daily min hr	daily ave hr
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
2/1/08	0.66	0.48	0.99	2.32	2.86	2.54	3.27	4.54	4.84	2.23	-0.32	-0.39	-0.54	-0.65	-0.58	-0.57	-0.57	0.09	1.74	0.93	1.60	0.86	-0.10	0.56	24	4.84	-0.65	1.12
2/2/08	1.62	1.71	1.13	0.36	-0.18	-0.23	-0.12	-0.25	-0.32	-0.37	-0.39	-0.41	-0.39	-0.40	-0.39	-0.53	-1.15	-0.25	0.70	-0.25	-0.33	-0.35	-0.31	-0.34	24	1.71	-1.15	-0.06
2/3/08	-0.36	-0.37	-0.36	-0.35	0.17	0.98	2.73	3.32	3.36	0.42	-0.47	-0.43	-0.62	-0.92	-0.72	-0.59	-0.33	1.46	1.81	0.39	-0.07	-0.17	-0.19	-0.28	24	3.36	-0.92	0.35
2/4/08	-0.34	-0.35	-0.33	-0.27	-0.24	-0.26	-0.26	-0.26	-0.28	-0.35	-0.42	-0.42	-0.46	-0.48	-0.44	-0.52	-0.49	-0.48	-0.47	-0.47	-0.49	-0.49	-0.49	-0.48	24	-0.24	-0.52	-0.40
2/5/08	-0.41	-0.26	-0.47	-0.32	-0.50	-0.51	-0.52	-0.53	-0.54	-0.62	-0.72	-0.80	-0.77	-0.78	-0.78	-0.66	-0.48	-0.22	0.55	0.94	1.01	1.53	1.55	4.88	24	4.88	-0.80	0.02
2/6/08	3.68	3.08	3.57	3.43	3.63	4.43	4.15	3.03	2.17	-0.14	-0.56	-0.62	-0.14	-0.54	-0.82	-0.70	-0.44	0.75	1.27	1.41	0.54	-0.24	-0.30	0.59	24	4.43	-0.82	1.30
2/7/08	1.07	1.15	0.14	0.17	0.90	1.91	2.22	3.21	2.20	1.03	0.00	-0.22	-0.73	-0.77	-0.67	-0.53	-0.29	-0.07	0.15	0.20	0.78	1.13	1.34	0.59	24	3.21	-0.77	0.62
2/8/08	0.47	-0.03	-0.14	-0.15	0.54	0.44	0.79	0.03	-0.26	-0.38	-0.47	-0.51	-0.60	-0.60	-0.60	-0.58	-0.46	0.34	1.58	1.89	2.99	3.62	3.34	2.15	24	3.62	-0.60	0.56
2/9/08	0.72	0.07	-0.26	-0.55	-0.49	-0.52	-0.50	-0.48	-0.55	-0.66	-0.75	-0.85	-0.87	-0.91	-0.92	-0.80	-0.72	-0.60	-0.54	-0.50	-0.47	-0.53	-0.57	-0.58	24	0.72	-0.92	-0.53
2/10/08	-0.57	-0.58	-0.57	-0.59	-0.58	-0.59	-0.62	-0.56	-0.59	-0.65	-0.68	-0.73	-0.65	-0.62	-0.66	-0.69	-0.67	-0.64	-0.62	-0.60	-0.59	-0.60	-0.58	-0.58	24	-0.56	-0.73	-0.62
2/11/08	-0.54	-0.54	-0.55	-0.53	-0.53	-0.51	-0.54	-0.54	-0.56	-0.65	-0.65	-0.65	-0.65	-0.62	-0.61	-0.60	-0.58	-0.52	-0.47	-0.46	-0.45	-0.43	-0.41	-0.41	24	-0.41	-0.65	-0.54
2/12/08	-0.42	-0.43	-0.42	-0.41	-0.21	0.34	1.72	3.59	3.51	1.40	-0.39	-0.60	-0.67	-0.68	-0.67	-0.61	-0.42	0.79	5.08	5.11	2.36	1.04	0.47	0.28	24	5.11	-0.68	0.82
2/13/08	0.10	0.74	0.78	0.87	0.68	1.00	0.42	-0.17	-0.25	-0.41	-0.54	-0.84	-0.93	-0.76	-0.77	-0.66	-0.54	-0.42	-0.36	-0.17	-0.33	-0.36	-0.37	-0.42	24	1.00	-0.93	-0.15
2/14/08	-0.39	-0.39	-0.41	-0.45	-0.46	-0.52	-0.56	-0.58	-0.56	-0.61	-0.73	-0.80	-0.74	-0.75	-0.75	-0.65	-0.60	-0.37	-0.10	0.32	1.05	2.25	2.59	2.76	24	2.76	-0.80	-0.06
2/15/08	3.65	3.98	5.01	4.45	2.69	2.06	2.66	1.81	1.99	0.77	-0.30	-0.52	-0.55	-0.53	-0.52	-0.45	-0.30	0.68	2.62	3.16	5.34	6.36	6.90	6.37	24	6.90	-0.55	2.39
2/16/08	6.07	5.46	6.60	7.07	6.72	1.99	0.82	1.07	1.13	0.11	-0.54	-0.30	-0.37	-0.29	-0.25	-0.02	0.08	0.45	0.07	0.04	-0.04	-0.05	0.05	-0.01	24	7.07	-0.54	1.49
2/17/08	-0.09	-0.14	-0.13	-0.15	-0.15	0.08	0.40	-0.01	-0.26	-0.42	-0.50	-0.67	-0.60	-0.55	-0.48	-0.46	-0.56	-0.40	-0.26	-0.15	0.31	0.16	0.15	-0.04	24	0.40	-0.67	-0.21
2/18/08	-0.38	-0.36	-0.41	-0.39	-0.32	-0.31	-0.30	-0.28	-0.54	-0.70	-0.80	-0.92	-0.89	-0.92	-0.87	-0.82	-0.70	-0.45	0.62	0.43	0.08	0.18	1.93	2.22	24	2.22	-0.92	-0.20
2/19/08	2.67	3.59	1.76	0.58	1.20	0.83	0.92	1.11	0.12	-0.42	-0.60	-0.85	-0.99	-0.99	-0.99	-0.88	-0.67	-0.45	-0.19	-0.17	-0.27	-0.37	-0.38	-0.41	24	3.59	-0.99	0.17
2/20/08	-0.46	-0.50	-0.45	-0.40	-0.43	-0.38	-0.38	-0.42	-0.53	-0.67	-0.85	-0.89	-0.98	-0.92	-0.87	-0.85	-0.75	-0.62	-0.47	-0.47	-0.50	-0.52	-0.56	-0.56	24	-0.38	-0.98	-0.60
2/21/08	-0.55	-0.56	-0.56	-0.54	-0.55	-0.52	-0.15	0.61	-0.04	-0.63	-0.76	-0.72	-0.80	-0.70	-0.64	-0.61	-0.61	-0.48	0.45	1.26	3.24	3.39	3.90	4.21	24	4.21	-0.80	0.32
2/22/08	4.63	5.01	5.48	6.65	7.10	4.97	4.12	2.92	3.84	-0.48	-0.68	-0.77	-0.80	-0.80	-0.75	-0.61	-0.51	-0.20	0.63	1.01	3.25	5.01	5.39	4.70	24	7.10	-0.80	2.46
2/23/08	4.13	3.68	5.66	6.48	5.92	6.89	6.01	7.02	5.57	0.70	-0.60	-0.74	-0.75	-0.77	-0.74	-0.65	-0.56	-0.08	0.60	1.02	2.66	3.65	2.63	2.88	24	7.02	-0.77	2.53
2/24/08	3.38	3.32	4.00	3.94	4.72	3.90	3.08	3.72	4.71	0.02	-0.55	-0.57	-0.56	-0.54	-0.53	-0.54	-0.50	-0.32	0.14	0.78	1.03	2.30	2.61	1.63	24	4.72	-0.57	1.63
2/25/08	1.47	0.46	-0.34	-0.34	-0.42	-0.48	-0.45	-0.42	-0.48	-0.70	-0.65	-0.71	-0.85	-0.85	-0.85	-0.82	-0.74	-0.47	-0.10	0.08	0.72	1.05	0.75	0.66	24	1.47	-0.85	-0.19
2/26/08	0.55	0.47	-0.28	-0.42	-0.42	-0.41	-0.41	-0.42	-0.51	-0.63	-0.77	-0.85	-0.83	-0.83	-0.80	-0.67	-0.55	-0.24	0.55	0.88	0.61	1.52	1.30	1.39	24	1.52	-0.85	-0.07
2/27/08	2.41	3.78	2.96	2.44	1.19	1.33	1.49	0.69	0.11	-0.55	-0.66	-0.81	-0.80	-0.72	-0.69	-0.59	-0.47	-0.14	0.60	0.29	0.67	0.47	0.25	-0.17	24	3.78	-0.81	0.55
2/28/08	-0.18	-0.19	-0.24	-0.25	-0.28	-0.29	-0.12	-0.16	-0.28	-0.39	-0.61	-0.77	-0.86	-0.83	-0.69	-0.66	-0.50	-0.22	0.77	0.18	-0.19	-0.26	-0.14	0.06	24	0.77	-0.86	-0.30
2/29/08	0.23	0.05	0.08	0.08	0.04	0.11	0.09	0.04	-0.23	-0.50	-0.62	-0.75	-0.84	-0.80	-0.75	-0.67	-0.55	-0.29	0.32	2.11	3.23	1.39	0.41	0.29	24	3.23	-0.84	0.10
																									0			
																									0			

hr max	6.07	5.46	6.60	7.07	7.10	6.89	6.01	7.02	5.57	2.23	0.00	-0.22	-0.14	-0.29	-0.25	-0.02	0.08	1.46	5.08	5.11	5.34	6.36	6.90	6.37
hr min	-0.57	-0.58	-0.57	-0.59	-0.58	-0.59	-0.62	-0.58	-0.59	-0.70	-0.85	-0.92	-0.99	-0.99	-0.99	-0.88	-1.15	-0.64	-0.62	-0.60	-0.59	-0.60	-0.58	-0.58
average	1.13	1.11	1.11	1.13	1.12	0.97	1.03	1.09	0.92	-0.15	-0.57	-0.66	-0.70	-0.71	-0.68	-0.62	-0.54	-0.12	0.57	0.66	0.96	1.09	1.07	1.10

monthly max hr	monthly min hr	monthly ave hr
7.10	-1.15	0.43
2/22/08	2/2/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
degC
100-50

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	1.33	1.25	1.68	1.52	1.84	2.77	2.91	2.88	3.84	3.31	1.36	1.26	0.15	-0.48	-0.47	-0.48	-0.48	-0.31	-0.23	0.04	0.19	0.33	-0.13	-0.14	24	3.84	-0.48	1.00
2/2/08	-0.03	0.03	0.16	0.26	0.31	0.12	0.08	-0.17	-0.30	-0.35	-0.34	-0.33	-0.33	-0.32	-0.29	-0.27	-0.30	-0.20	0.23	-0.02	-0.30	-0.11	0.43	-0.10	24	0.43	-0.35	-0.09
2/3/08	-0.28	-0.35	-0.28	1.37	3.17	3.17	3.38	1.97	1.50	2.23	0.95	-0.12	0.24	-0.42	-0.47	-0.52	-0.42	-0.04	0.41	0.53	-0.04	-0.14	-0.22	-0.33	24	3.38	-0.52	0.64
2/4/08	-0.41	-0.40	-0.30	-0.26	-0.25	-0.27	-0.28	-0.31	-0.33	-0.35	-0.38	-0.43	-0.43	-0.43	-0.33	-0.39	-0.51	-0.47	-0.47	-0.50	-0.50	-0.47	-0.48	-0.47	24	-0.25	-0.51	-0.39
2/5/08	-0.43	-0.32	-0.42	-0.40	-0.49	-0.50	-0.48	-0.47	-0.47	-0.47	-0.51	-0.60	-0.54	-0.55	-0.54	-0.49	-0.48	-0.42	-0.07	0.13	0.23	0.34	0.21	0.44	24	0.44	-0.60	-0.30
2/6/08	0.82	0.83	0.79	0.56	0.68	0.47	0.64	1.90	2.34	2.63	0.96	-0.08	-0.54	-0.47	-0.49	-0.52	-0.44	-0.30	-0.29	-0.19	-0.08	-0.01	0.09	1.28	24	2.63	-0.54	0.44
2/7/08	2.08	0.73	0.00	-0.07	0.10	0.59	0.89	1.00	2.02	2.31	1.23	-0.30	-0.56	-0.55	-0.56	-0.48	-0.33	-0.12	0.30	0.79	1.03	2.13	1.63	1.41	24	2.31	-0.56	0.64
2/8/08	1.22	1.23	1.32	1.30	0.98	0.75	0.03	0.34	-0.03	-0.38	-0.48	-0.51	-0.51	-0.52	-0.51	-0.51	-0.50	-0.33	-0.28	-0.13	0.27	0.26	1.30	1.41	24	1.41	-0.52	0.24
2/9/08	0.82	-0.07	-0.40	-0.49	-0.48	-0.49	-0.48	-0.48	-0.51	-0.52	-0.54	-0.56	-0.57	-0.59	-0.58	-0.56	-0.53	-0.51	-0.49	-0.48	-0.46	-0.48	-0.50	-0.50	24	0.82	-0.59	-0.44
2/10/08	-0.50	-0.50	-0.51	-0.52	-0.50	-0.50	-0.50	-0.48	-0.48	-0.49	-0.50	-0.52	-0.52	-0.51	-0.52	-0.50	-0.50	-0.50	-0.49	-0.50	-0.50	-0.49	-0.47	-0.46	24	-0.46	-0.52	-0.50
2/11/08	-0.45	-0.46	-0.47	-0.46	-0.46	-0.47	-0.47	-0.49	-0.49	-0.51	-0.51	-0.54	-0.55	-0.53	-0.49	-0.50	-0.50	-0.50	-0.50	-0.48	-0.47	-0.45	-0.41	-0.37	24	-0.37	-0.55	-0.48
2/12/08	-0.30	-0.33	-0.39	-0.29	0.39	0.49	0.66	0.42	-0.02	0.40	0.29	0.12	0.52	-0.30	-0.09	0.04	1.59	4.55	1.98	0.79	0.71	0.00	0.06	0.32	24	4.55	-0.39	0.48
2/13/08	-0.28	-0.34	-0.41	-0.40	0.14	0.80	1.11	0.49	0.38	-0.20	-0.32	-0.35	-0.44	-0.58	-0.60	-0.55	-0.48	-0.29	-0.32	-0.39	-0.11	-0.16	-0.34	-0.33	24	1.11	-0.60	-0.17
2/14/08	-0.38	-0.38	-0.38	-0.41	-0.41	-0.42	-0.43	-0.41	-0.39	-0.39	-0.45	-0.54	-0.59	-0.61	-0.63	-0.65	-0.62	-0.53	-0.41	-0.17	-0.10	0.40	0.95	2.36	24	2.36	-0.65	-0.23
2/15/08	3.46	2.94	2.88	2.46	2.70	3.85	4.32	5.96	5.61	4.87	4.51	0.36	-0.02	-0.33	0.08	-0.12	0.90	1.48	1.93	1.31	0.93	1.17	1.57	2.04	24	5.96	-0.33	2.29
2/16/08	2.62	2.48	2.47	2.10	2.21	4.81	3.37	2.89	2.51	2.82	-0.07	0.73	0.43	0.02	0.47	0.48	0.07	0.09	-0.16	-0.15	-0.22	-0.25	-0.15	-0.14	24	4.81	-0.25	1.23
2/17/08	-0.18	-0.27	-0.24	-0.27	-0.31	-0.13	0.31	-0.01	-0.36	-0.46	-0.49	-0.54	-0.52	-0.46	-0.42	-0.48	-0.50	-0.45	-0.35	-0.23	0.18	0.08	0.05	-0.07	24	0.31	-0.54	-0.26
2/18/08	-0.43	-0.41	-0.40	-0.42	-0.35	-0.32	-0.27	-0.25	-0.41	-0.53	-0.56	-0.56	-0.58	-0.59	-0.55	-0.56	-0.54	-0.47	-0.29	-0.31	-0.26	-0.16	0.40	1.33	24	1.33	-0.59	-0.31
2/19/08	1.10	1.35	2.13	2.23	1.73	2.35	2.58	2.39	1.76	0.06	-0.51	-0.56	-0.55	-0.55	-0.59	-0.56	-0.53	-0.48	-0.35	-0.32	-0.39	-0.44	-0.43	-0.44	24	2.58	-0.59	0.46
2/20/08	-0.46	-0.44	-0.44	-0.43	-0.43	-0.41	-0.41	-0.41	-0.41	-0.45	-0.52	-0.53	-0.56	-0.57	-0.54	-0.54	-0.54	-0.52	-0.47	-0.48	-0.49	-0.49	-0.50	-0.49	24	-0.41	-0.57	-0.48
2/21/08	-0.49	-0.48	-0.47	-0.47	-0.46	-0.38	0.50	1.16	0.95	-0.16	-0.51	-0.51	-0.56	-0.50	-0.50	-0.49	-0.47	-0.46	-0.38	0.23	1.85	1.92	2.31	2.80	24	2.80	-0.56	0.18
2/22/08	2.31	1.64	1.22	0.26	0.13	-0.09	0.16	0.93	2.40	1.28	-0.46	-0.44	-0.55	-0.52	-0.52	-0.52	-0.46	-0.40	-0.36	-0.28	0.53	0.70	0.80	0.92	24	2.40	-0.55	0.36
2/23/08	1.47	2.31	1.10	0.20	0.48	1.79	3.26	1.89	2.08	3.43	-0.19	-0.53	-0.58	-0.56	-0.56	-0.56	-0.50	-0.43	0.61	2.31	2.00	0.64	0.99	1.86	24	3.43	-0.58	0.94
2/24/08	1.62	1.56	1.22	1.74	0.93	0.21	0.80	1.38	1.42	2.73	-0.14	-0.40	-0.49	-0.48	-0.47	-0.49	-0.48	-0.44	-0.33	-0.22	-0.17	-0.06	0.05	0.62	24	2.73	-0.49	0.42
2/25/08	1.27	-0.18	-0.42	-0.42	-0.47	-0.46	-0.44	-0.37	-0.38	-0.45	-0.62	-0.72	-0.59	-0.57	-0.55	-0.56	-0.56	-0.49	-0.27	0.01	0.29	0.07	0.46	0.55	24	1.27	-0.72	-0.24
2/26/08	1.11	0.55	-0.25	-0.47	-0.47	-0.47	-0.47	-0.47	-0.50	-0.53	-0.55	-0.58	-0.59	-0.57	-0.57	-0.54	-0.50	-0.38	-0.24	-0.08	-0.28	-0.08	-0.05	0.04	24	1.11	-0.59	-0.29
2/27/08	0.25	0.13	0.25	2.29	2.00	1.48	2.13	0.71	0.24	-0.26	-0.59	-0.56	-0.60	-0.51	-0.54	-0.51	-0.49	-0.39	-0.29	0.41	0.39	0.82	0.70	0.10	24	2.29	-0.60	0.30
2/28/08	0.09	-0.01	-0.07	-0.11	-0.15	-0.11	0.21	0.08	0.23	-0.19	-0.56	-0.57	-0.59	-0.57	-0.55	-0.55	-0.49	-0.38	-0.13	-0.14	-0.33	-0.37	-0.25	0.02	24	0.23	-0.59	-0.23
2/29/08	0.31	0.16	0.18	0.06	0.05	0.21	0.12	0.41	-0.02	-0.51	-0.57	-0.60	-0.61	-0.59	-0.56	-0.56	-0.54	-0.45	-0.33	-0.06	-0.10	1.11	1.37	1.35	24	1.37	-0.61	-0.01
																									0			
																									0			
hr max	3.46	2.94	2.88	2.46	3.17	4.81	4.32	5.96	5.61	4.87	4.51	1.26	0.52	0.02	0.47	0.48	1.59	4.55	1.98	2.31	2.00	2.13	2.31	2.80				
hr min	-0.50	-0.50	-0.51	-0.52	-0.50	-0.50	-0.50	-0.49	-0.51	-0.53	-0.62	-0.72	-0.61	-0.61	-0.63	-0.65	-0.62	-0.53	-0.50	-0.50	-0.50	-0.49	-0.50	-0.50				
average	0.60	0.42	0.33	0.36	0.43	0.65	0.80	0.78	0.76	0.65	-0.04	-0.33	-0.40	-0.49	-0.45	-0.45	-0.35	-0.14	-0.07	0.05	0.13	0.20	0.33	0.52				

monthly	monthly	monthly
max hr	min hr	ave hr
5.96	-0.72	0.18
2/15/08	2/25/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
ppb
NOx

data
channel
ppb

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	2.2	2.3	2.2	2.2	2.3	2.3	2.3	2.3	2.2	2.7	3.0	2.3	2.2	1.9	2.0	2.0	2.0	3.4	4.8	3.4	3.0	2.9	2.7		23	4.8	1.9	2.5
2/2/08	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.6	2.8	2.7	2.6	2.3	2.3	2.5	2.7	2.8	2.6	2.5	2.4	2.3	2.2	2.2	2.2		23	2.8	2.2	2.4
2/3/08	1.9	2.1	2.2	2.2	2.2	2.3	2.4	2.4	2.3	2.2	2.5	2.3	2.2	2.4	2.3	2.2	2.0	2.1	2.1	2.3	2.2	2.3	2.5		23	2.5	1.9	2.2
2/4/08	2.3	2.8	3.6	3.7	3.2	3.2	3.2	2.9	2.8	2.8	3.3	3.3	3.3	3.5	3.9	5.3	4.3	4.0	3.3	2.9	2.8	2.3	2.2		23	5.3	2.2	3.3
2/5/08	1.6	1.7	1.7	1.5	1.3	1.4	1.5	1.5	1.6	1.6	1.8	1.7	1.7	1.6	1.7	1.7	1.8	3.1	4.2	4.8	3.4	2.3	2.2		23	4.8	1.3	2.1
2/6/08	1.5			1.3	1.3	1.2	1.2	1.3	1.2	1.4	1.6	1.6	1.8	1.7	1.7	2.2	2.2	2.8	3.2	2.8	2.9	3.2	2.9		21	3.2	1.2	2.0
2/7/08	2.5	2.3	2.2	3.4	2.7	2.7	2.3	1.8	1.7	2.4	2.8	3.0	2.2	1.9	1.9	1.8	1.8	1.7	1.7	1.8	1.8	2.2	2.2		23	3.4	1.7	2.2
2/8/08	2.4	2.4	2.7	2.7	2.8	2.5	2.5	2.5	2.5	2.4	2.6	2.6	2.4	2.4	1.8	1.8	1.7	2.0	3.9	2.5	2.7	2.8	2.8		23	3.9	1.7	2.5
2/9/08	1.6	1.2	1.9	3.0	2.0	2.0	2.2	1.9	1.7	1.7	1.7	1.4	1.4	1.3	1.3	1.4	1.5	1.4	1.2	1.1	1.1	1.2	1.2		23	3.0	1.1	1.6
2/10/08	1.2	1.2	0.9	0.9	1.2	1.2	0.9	0.9	1.2	1.2	1.2	1.2	1.0	1.0	0.9	0.9	1.0	1.3	1.6	1.3	1.3	1.2	1.2		23	1.6	0.9	1.1
2/11/08	0.9	1.1	1.2	1.3	1.2	1.3	2.1	3.0	2.4	2.2	2.3	2.6	2.8	2.9	2.9	2.8	2.8	2.7	2.7	2.7	2.8	2.8	2.7		23	3.0	0.9	2.3
2/12/08	3.0	2.3	2.2	2.2	2.1	2.8	6.2	5.3	2.6	1.7	1.6	1.6	1.7	1.8	2.1	2.3	2.2	1.9	2.4	2.1	2.1	2.4	3.0		23	6.2	1.6	2.5
2/13/08	3.7			3.4	3.2	2.8	2.7	2.4	2.3	2.3	2.2	2.3	2.4	2.4	2.6	2.7	2.8	3.0	2.8	3.1	3.2	3.1	3.5		21	3.7	2.2	2.8
2/14/08	3.1	2.8	2.5	2.3	1.7	1.7	1.5	2.0	3.4	3.6	2.9	2.1	1.9	1.8	2.4	2.6	2.6	3.1	3.5	2.8	2.4	2.6	2.3		23	3.6	1.5	2.5
2/15/08	2.3	1.8	2.1	2.2	2.0	1.7	1.7	1.7	1.7	1.9	2.2	2.2	2.2	2.2	2.1	2.1	2.2	2.3	2.5	2.4	2.3	2.4	2.5		23	2.5	1.7	2.1
2/16/08	2.2	2.2	2.3	2.3	2.3	2.2	2.2	2.2	2.3	2.6	2.7	2.8	2.8	2.7	2.3	2.2	2.1	1.9	1.9	2.6	3.3	3.2	3.0		23	3.3	1.9	2.4
2/17/08	2.7	3.1	3.3	2.9	2.4	2.0	1.5	1.4	1.4	1.7	2.2	1.8	1.7	1.4	1.4	1.2	1.8	1.5	1.9	2.4	2.3	2.5	2.6		23	3.3	1.2	2.0
2/18/08	2.7	2.0	1.6	1.3	1.2	1.3	2.0	2.3	2.4	2.3	2.3	2.0	1.9	2.1	2.8	3.5	3.1	2.0	2.7	2.8	2.2	1.7	2.0		23	3.5	1.2	2.2
2/19/08	1.8	1.7	1.4	1.2	1.1	1.1	1.2	1.3	1.5	1.3	1.7	2.7	2.0	1.4	1.2	1.3	1.2	1.3	1.3	1.3	1.2	1.2	1.0		23	2.7	1.0	1.4
2/20/08	0.9			0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.8	0.8	0.7	0.7	0.8	0.8	0.7	0.9	1.1	0.8		21	1.1	0.7	0.8
2/21/08	1.1	1.2	1.3	1.4	1.9	2.5	2.6	2.7	2.9	2.9	2.8	2.7	2.8	2.5	2.3	2.3	2.2	2.1	2.0	2.1	2.2	2.2	2.3		23	2.9	1.1	2.2
2/22/08	2.5	2.4	2.2	2.3	2.2	2.8	2.6	2.2	2.5	2.3	2.2	1.8	1.8	1.8	1.9	2.0	2.1	2.2	2.3	2.3	2.5	2.8	2.8		23	2.8	1.8	2.3
2/23/08	2.6	2.6	2.6	2.7	2.8	2.7	2.8	3.1	3.8	3.5	3.1	2.7	2.4	2.3	2.6	3.0	3.2	3.4	3.9	4.4	4.3	4.3	4.3		23	4.4	2.3	3.2
2/24/08	4.6	4.7	4.7	4.8	4.8	4.7	4.7	4.7	5.0	4.6	4.2	4.1	3.9	3.8	3.6	3.6	3.9	4.5	5.0	5.3	5.4	6.5	6.5		23	6.5	3.6	4.7
2/25/08	6.2	5.8	4.9	4.1	3.7	3.8	3.7	3.2	2.8	2.5	2.4	2.3	2.3	2.2	2.2	2.2	2.2	2.3	2.3	2.4	2.5	2.5	2.7		23	6.2	2.2	3.1
2/26/08	2.7	2.0	1.7	2.0	2.2	1.8	2.2	2.6	2.7	1.9	1.5	1.6	1.6	1.4	1.5	1.6	1.8	2.0	2.5	2.7	3.8	4.1	4.5		23	4.5	1.4	2.3
2/27/08	3.0			2.2	2.3	2.3	2.5	3.8	3.3	2.9	2.8	2.8	2.8	3.0	2.7	2.7	2.6	2.4	2.7	3.0	2.8	2.7	2.7		21	3.8	2.2	2.8
2/28/08	2.5	2.3	2.2	2.2	2.2	2.2	2.3	2.6	2.7	2.9	2.3	2.2	2.0	2.2	2.3	2.6	4.4	5.4	5.2	5.8	7.5	5.9	4.8		23	7.5	2.0	3.3
2/29/08	2.6	1.8	1.7	1.6	1.6	1.5	1.6	1.6	1.7	1.6	1.7	1.8	1.6	1.4	1.5	1.7	1.7	1.9	2.8	3.2	3.1	2.9	2.7		23	3.2	1.4	2.0
																									0			
																									0			
hr max	6.2	5.8	4.9	4.8	4.8	4.7	6.2	5.3	5.0	4.6	4.2	4.1	3.9	3.8	3.9	5.3	4.4	5.4	5.2	5.8	7.5	6.5	6.5	0.0				
hr min	0.9	1.1	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.8	0.8	0.7	0.7	0.8	0.8	0.7	0.9	1.1	0.8	0.0				
average	2.4	2.3	2.3	2.3	2.2	2.2	2.3	2.4	2.3	2.3	2.3	2.2	2.1	2.1	2.1	2.2	2.3	2.4	2.7	2.7	2.8	2.7	2.7	#DIV/0!				

monthly max hr	monthly min hr	monthly ave hr
7.50	0.70	2.37
2/28/08	2/20/08	

Validated by: *Roger L Thompson* Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	659
possible hours	696
data capture	94.7%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
ppb
NO

data
channel
ppb

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.6	0.7	0.9	0.6	0.7	0.4	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.6		23	0.9	0.2	0.5
2/2/08	0.5	0.5	0.6	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.4	0.5	0.3	0.4	0.3	0.4		23	0.7	0.3	0.6
2/3/08	0.3	0.4	0.6	0.5	0.7	0.7	1.0	0.9	0.7	0.7	0.7	0.7	0.6	0.8	0.6	0.5	0.3	0.2	0.1	0.2	0.3	0.3	0.2		23	1.0	0.1	0.5
2/4/08	0.2	0.2	0.3	0.3	0.2	0.4	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.8	1.1	1.2	0.7	0.5	0.3	0.3	0.4	0.3	0.5		23	1.2	0.2	0.5
2/5/08	0.2	0.3	0.4	0.3	0.3	0.3	0.2	0.3	0.4	0.5	0.7	0.7	0.6	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4		23	0.7	0.2	0.5
2/6/08	0.4			0.4	0.3	0.3	0.2	0.3	0.3	0.4	0.4	0.4	0.5	0.4	0.3	0.7	0.6	0.7	0.7	0.7	0.7	0.8	0.7		21	0.8	0.2	0.5
2/7/08	0.7	0.6	0.5	0.6	0.6	0.6	0.5	0.3	0.4	0.8	1.0	1.3	1.0	0.7	0.7	0.6	0.6	0.5	0.3	0.3	0.3	0.3	0.5		23	1.3	0.3	0.6
2/8/08	0.7	0.8	1.0	1.1	1.2	1.0	1.0	1.1	0.8	0.7	0.8	0.9	0.7	0.7	0.5	0.5	0.4	0.6	0.8	1.2	1.3	1.5	1.6		23	1.6	0.4	0.9
2/9/08	0.5	0.2	0.2	0.4	0.3	0.4	0.3	0.4	0.5	0.6	0.6	0.6	0.7	0.6	0.7	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.2		23	0.7	0.2	0.4
2/10/08	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4		23	0.6	0.3	0.4
2/11/08	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.4	0.3	0.3	0.4	0.4		23	0.7	0.3	0.5
2/12/08	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.6	0.7	0.6	0.7	0.8	0.6	0.5	0.6	0.5	0.4	0.5	0.7		23	0.8	0.4	0.6
2/13/08	0.7			0.7	0.7	0.7	0.6	0.3	0.4	0.5	0.5	0.6	0.7	0.5	0.5	0.4	0.4	0.4	0.3	0.7	0.7	0.7	0.7		21	0.7	0.3	0.6
2/14/08	0.3	0.3	0.6	0.6	0.5	0.5	0.5	0.5	0.9	1.5	1.3	1.1	0.8	0.7	1.1	1.2	0.9	0.7	0.5	0.5	0.5	0.5	0.5		23	1.5	0.3	0.7
2/15/08	0.5	0.6	0.4	0.5	0.3	0.3	0.4	0.3	0.5	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.6	0.7	0.6	0.7	0.7		23	0.7	0.3	0.6
2/16/08	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.8	0.9	0.7	0.8	0.7	0.6	0.5	0.4	0.4	0.4	0.6	0.6	0.7	0.7		23	0.9	0.4	0.7
2/17/08	0.7	0.7	1.0	0.8	0.7	0.5	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.7	0.5	0.6	0.6	0.6	0.7	0.5		23	1.0	0.3	0.6
2/18/08	0.4	0.5	0.6	0.5	0.5	0.5	0.4	0.5	0.7	1.0	1.1	0.9	0.9	1.1	1.3	1.5	1.1	0.6	0.5	0.5	0.5	0.5	0.5		23	1.5	0.4	0.7
2/19/08	0.6	0.6	0.6	0.4	0.5	0.5	0.6	0.7	0.6	0.5	0.6	1.1	0.8	0.6	0.6	0.6	0.5	0.4	0.3	0.4	0.3	0.3	0.3		23	1.1	0.3	0.5
2/20/08	0.3			0.4	0.4	0.4	0.3	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2		21	0.6	0.2	0.4
2/21/08	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.9	1.2	1.1	1.2	1.1	0.8	0.7	0.7	0.6	0.7	0.7	0.7	0.6	0.6	0.7		23	1.2	0.2	0.6
2/22/08	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.8	0.7	0.7	0.9	1.0	1.0	1.0		23	1.0	0.6	0.7
2/23/08	0.9	1.0	1.0	1.1	1.2	1.0	1.0	1.1	1.3	1.2	1.0	0.7	0.5	0.4	0.5	0.5	0.6	0.7	0.7	0.8	1.0	1.1	1.2		23	1.3	0.4	0.9
2/24/08	1.2	1.3	1.5	1.5	1.6	1.6	1.7	1.7	1.7	1.8	1.6	1.7	1.2	0.8	0.7	0.6	0.7	1.2	1.8	2.1	2.5	2.7	2.9		23	2.9	0.6	1.6
2/25/08	3.0	2.8	1.7	0.9	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.6	0.7		23	3.0	0.6	0.9
2/26/08	0.5	0.4	0.3	0.5	0.7	0.6	0.7	0.6	0.6	0.6	0.4	0.5	0.6	0.4	0.4	0.4	0.4	0.6	0.7	0.9	1.1	1.2	1.3		23	1.3	0.3	0.6
2/27/08	1.4			0.9	1.2	1.2	1.1	1.3	1.5	1.3	1.2	1.2	1.2	1.0	1.0	1.2	0.8	0.5	0.7	0.9	1.0	0.8	0.7		21	1.5	0.5	1.1
2/28/08	0.8	0.7	0.6	0.5	0.4	0.6	0.6	0.7	0.8	1.1	0.6	0.6	0.4	0.3	0.2	0.5	1.3	1.9	2.4	2.7	3.1	2.9	2.1		23	3.1	0.2	1.1
2/29/08	0.5	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.2	0.4	1.2	1.6	1.6	1.2	0.7		23	1.6	0.2	0.5
																									0			
																									0			
hr max	3.0	2.8	1.7	1.5	1.6	1.6	1.7	1.7	1.7	1.8	1.6	1.7	1.2	1.1	1.3	1.5	1.3	1.9	2.4	2.7	3.1	2.9	2.9	0.0				
hr min	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.2	0.3	0.2	0.2	0.1	0.2	0.3	0.3	0.2	0.0				
average	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.7	0.8	0.8	0.8	#DIV/0!				

monthly max hr	monthly min hr	monthly ave hr
3.1	0.1	0.7
2/28/08	2/3/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	659
possible hours	696
data capture	94.7%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
ppb
NO2

data
channel
ppb

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
2/1/08	1.9	1.9	2.1	2.2	2.2	2.1	2.2	2.0	2.1	2.2	2.4	2.0	1.8	1.7	1.7	1.7	1.7	3.1	4.4	3.1	2.7	2.4	2.2	
2/2/08	1.9	1.9	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.1	2.0	2.1	2.2	2.2	2.3	2.2	2.3	2.3	2.2	2.0	1.9	1.8	
2/3/08	1.9	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.8	1.8	1.8	1.9	1.9	2.2	1.8	1.8	1.9	1.9	2.2	2.3	2.4	
2/4/08	2.3	2.7	3.5	3.4	3.1	3.0	2.8	2.7	2.5	2.7	2.6	2.8	2.8	2.9	3.0	4.1	4.0	3.7	3.1	2.7	2.5	2.0	2.0	
2/5/08	1.5	1.5	1.3	1.3	1.2	1.2	1.2	1.4	1.3	1.3	1.3	1.3	1.2	1.3	1.3	1.6	1.5	2.7	3.9	4.5	3.0	2.0	1.9	
2/6/08	1.3			1.2	1.1	1.2	1.1	1.2	1.2	1.3	1.2	1.4	1.6	1.6	1.5	1.8	1.9	2.3	2.7	2.3	2.4	2.5	2.3	
2/7/08	2.1	2.0	2.0	3.0	2.4	2.3	2.1	1.5	1.4	1.9	1.9	2.1	1.6	1.3	1.4	1.3	1.5	1.4	1.5	1.6	1.7	1.9	2.0	
2/8/08	1.9	1.7	1.8	1.8	1.8	1.7	1.8	1.6	1.9	1.8	1.9	1.9	1.8	1.8	1.5	1.4	1.5	1.6	3.2	1.7	1.5	1.5	1.4	
2/9/08	1.3	1.1	1.8	2.9	1.8	1.7	2.1	1.6	1.5	1.4	1.3	1.1	1.1	0.9	0.9	1.1	1.2	1.2	1.2	0.8	0.9	1.1	1.1	
2/10/08	1.0	0.9	0.7	0.7	0.8	0.9	0.7	0.7	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	1.0	1.3	1.2	1.2	1.1	0.8	
2/11/08	0.7	0.6	0.8	0.9	0.9	1.0	1.9	2.8	2.3	1.8	1.8	2.1	2.2	2.3	2.2	2.3	2.3	2.6	2.6	2.4	2.6	2.5	2.5	
2/12/08	2.7	2.1	2.0	1.8	1.9	2.6	5.8	5.0	2.1	1.2	1.2	1.2	1.2	1.4	1.6	1.9	1.8	1.7	2.2	1.8	1.9	2.2	2.7	
2/13/08	3.2			2.8	2.7	2.4	2.4	2.3	2.2	2.1	2.1	2.0	2.1	2.3	2.2	2.4	2.7	2.8	2.7	2.8	2.7	2.6	3.2	
2/14/08	3.0	2.7	2.2	2.0	1.5	1.4	1.3	1.7	2.7	2.5	1.7	1.2	1.2	1.3	1.6	1.7	1.8	2.6	3.3	2.6	2.2	2.2	2.1	
2/15/08	2.0	1.7	1.8	1.9	1.8	1.7	1.5	1.4	1.2	1.3	1.5	1.7	1.7	1.7	1.7	1.7	1.8	1.8	2.1	2.2	2.1	2.1	2.0	
2/16/08	1.9	1.8	1.8	1.9	1.8	1.8	1.8	1.9	1.8	1.8	2.0	2.2	2.2	2.2	2.0	1.8	1.8	1.8	1.7	2.3	2.9	2.9	2.7	
2/17/08	2.1	2.4	2.4	2.3	2.0	1.7	1.3	1.3	1.3	1.3	1.8	1.4	1.4	1.1	1.2	1.0	1.4	1.3	1.5	2.1	2.0	2.1	2.4	
2/18/08	2.4	1.8	1.4	1.0	0.8	1.0	1.7	2.1	1.9	1.5	1.4	1.2	1.2	1.3	1.8	2.2	2.2	1.6	2.4	2.5	1.9	1.6	1.9	
2/19/08	1.3	1.3	1.1	0.8	0.8	0.8	0.8	0.8	1.1	1.1	1.3	1.7	1.5	1.1	1.0	0.8	0.8	1.1	1.2	1.2	1.0	0.9	0.8	
2/20/08	0.7			0.4	0.3	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.5	0.6	0.7	0.7	0.7	1.0	0.8	
2/21/08	0.7	0.9	1.1	1.3	1.6	2.3	2.5	2.3	2.2	2.0	1.9	1.8	1.9	1.8	1.7	1.8	1.8	1.8	1.6	1.7	1.8	1.7	1.8	
2/22/08	2.1	1.9	1.8	1.7	1.7	2.3	2.0	1.7	1.8	1.6	1.7	1.6	1.5	1.4	1.5	1.5	1.5	1.6	1.5	1.7	1.8	2.1	2.0	
2/23/08	1.8	1.8	1.8	1.8	1.9	2.0	1.9	2.3	2.6	2.4	2.3	2.2	2.2	2.1	2.3	2.7	2.8	3.1	3.3	3.8	3.6	3.5	3.5	
2/24/08	3.4	3.4	3.5	3.7	3.4	3.3	3.3	3.2	3.3	3.0	2.8	2.7	2.9	3.1	3.1	3.1	3.3	3.4	3.4	3.2	3.1	3.9	3.7	
2/25/08	3.3	3.2	3.3	3.4	3.2	3.2	3.2	2.6	2.2	1.9	1.9	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.9	2.0	2.0	2.1	
2/26/08	2.5	1.8	1.3	1.7	1.8	1.4	1.8	2.2	2.3	1.5	1.2	1.3	1.3	1.2	1.2	1.3	1.5	1.6	2.0	1.9	2.9	3.0	3.4	
2/27/08	1.9			1.4	1.3	1.3	1.4	2.5	1.9	1.8	1.8	1.8	1.8	2.1	1.9	1.9	2.0	2.1	2.1	2.3	2.1	2.1	2.1	
2/28/08	2.0	1.9	1.8	1.8	1.8	1.8	1.8	1.9	2.0	2.1	1.9	1.8	1.8	1.9	2.0	2.3	3.3	3.6	3.0	3.4	4.7	3.3	3.0	
2/29/08	2.3	1.7	1.5	1.4	1.4	1.3	1.2	1.3	1.3	1.4	1.4	1.5	1.4	1.3	1.3	1.4	1.5	1.6	1.8	1.7	1.7	1.9	2.2	
hr max	3.4	3.4	3.5	3.7	3.4	3.3	5.8	5.0	3.3	3.0	2.8	2.8	2.9	3.1	3.1	4.1	4.0	3.7	4.4	4.5	4.7	3.9	3.7	0.0
hr min	0.7	0.8	0.7	0.4	0.3	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.5	0.6	0.7	0.7	0.7	0.9	0.8	0.0
average	2.0	1.9	1.9	1.9	1.8	1.8	1.9	1.9	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.9	2.1	2.3	2.2	2.2	2.1	2.2	#DIV/0!

valid hr count	daily max hr	daily min hr	daily ave hr
23	4.4	1.7	2.3
23	2.3	1.8	2.1
23	2.4	1.6	1.9
23	4.1	2.0	2.9
23	4.5	1.2	1.8
21	2.7	1.1	1.7
23	3.0	1.3	1.8
23	3.2	1.4	1.8
23	2.9	0.8	1.4
23	1.3	0.7	0.9
23	2.8	0.7	1.9
23	5.8	1.2	2.2
21	3.2	2.0	2.5
23	3.3	1.2	2.0
23	2.2	1.2	1.8
23	2.9	1.7	2.0
23	2.4	1.0	1.7
23	2.5	0.8	1.7
23	1.7	0.8	1.1
21	1.0	0.3	0.5
23	2.5	0.7	1.7
23	2.3	1.4	1.7
23	3.8	1.8	2.5
23	3.9	2.7	3.3
23	3.4	1.7	2.3
23	3.4	1.2	1.8
21	2.5	1.3	1.9
23	4.7	1.8	2.4
23	2.3	1.2	1.5
0			
0			

monthly max hr	monthly min hr	monthly ave hr
5.8	0.3	1.9
2/12/08	2/20/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	659
possible hours	696
data capture	94.7%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
ppb
SO2

data
channel
ppb

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	0.1	1.0	0.1	1.0	0.1	1.0	0.1	1.0	0.1	1.0	0.1	1.1	0.1	1.3	0.1	1.1	1.1	1.2	1.2	1.0	1.0	0.1	0.1		23	1.3	0.1	0.7
2/2/08	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	1.1	1.1	0.1	0.1	0.1	0.1	0.1	1.0	1.1	1.0	0.1	0.1	0.1	0.1	0.1		23	1.1	0.1	0.3
2/3/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0	1.0	1.0	0.1	0.1	1.1	0.1	1.0	0.1	0.1	0.1	1.0	1.0	0.1	0.1	0.1		23	1.1	0.1	0.4
2/4/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.3	0.1	0.1	0.1	0.1	0.1	1.0	0.1		23	1.3	0.1	0.2
2/5/08	0.1	0.1	0.1	0.1	1.0	0.1	1.0	0.1	0.1	0.1	0.1	0.1	1.1	1.2	1.1	0.1	1.0	0.1	1.1	0.1	1.0	0.1	0.1		23	1.2	0.1	0.4
2/6/08	0.1			0.1	0.1	0.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2	0.1	0.1	1.1	0.1	0.1	0.1	0.1	0.1		21	1.2	0.1	0.2
2/7/08	0.1	0.1	0.1	1.1	1.1	1.1	1.0	1.0	0.1	1.0	1.6	1.3	1.1	0.1	1.2	1.2	0.1	0.1	0.1	1.0	0.1	0.1	0.1		23	1.6	0.1	0.6
2/8/08	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	1.1	1.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1		23	1.1	0.1	0.3
2/9/08	1.0	0.1	0.1	0.1	0.1	0.1	0.1	1.1	0.1	1.2	1.3	1.4	1.4	1.5	1.6	1.9	1.7	1.5	1.0	1.7	1.7	1.5	1.6		23	1.9	0.1	1.0
2/10/08	1.8	2.0	2.1	1.8	1.6	2.1	2.0	1.7	2.0	2.0	1.6	1.7	1.7	1.6	1.5	1.3	1.2	1.2	0.1	1.2	1.0	0.1	0.1		23	2.1	0.1	1.5
2/11/08	1.2	0.1	1.0	0.1	1.0	1.2	1.2	1.2	0.1	1.0	1.2	1.2	1.2	1.5	1.4	1.3	1.2	1.1	1.0	1.2	1.2	1.0	1.2		23	1.5	0.1	1.0
2/12/08	1.2	1.1	1.0	1.2	0.1	0.1	1.4	0.1	1.0	0.1	0.1	1.3	1.1	1.3	1.0	1.0	1.9	1.3	0.1	0.1	1.2	1.1	1.2		23	1.9	0.1	0.9
2/13/08	1.0			1.0	1.1	0.1	1.0	1.0	0.1	1.1	1.2	1.2	1.2	1.1	1.6	1.4	0.1	0.1	1.0	0.1	1.1	1.2	0.1		21	1.6	0.1	0.8
2/14/08	0.1	0.1	0.1	1.0	1.0	0.1	1.0	0.1	1.1	0.1	1.5	1.3	1.2	1.3	1.2	1.6	1.6	1.6	1.3	1.0	1.2	1.0	0.1		23	1.6	0.1	0.9
2/15/08	1.1	0.1	1.3	1.0	1.4	1.2	0.1	1.0	1.2	1.3	1.3	1.3	1.4	1.8	1.6	1.4	1.3	1.4	1.0	0.1	1.1	0.1	1.3		23	1.8	0.1	1.1
2/16/08	0.1	1.0	1.0	0.1	0.1	0.1	1.3	0.1	1.1	1.1	1.2	1.2	1.1	1.3	1.0	1.3	1.0	1.1	1.0	0.1	1.1	1.0	1.0		23	1.3	0.1	0.8
2/17/08	0.1	1.2	1.3	1.0	1.3	1.4	0.1	0.1	0.1	1.2	1.4	1.4	0.1	1.2	0.1	1.1	0.1	0.1	1.1	1.1	0.1	1.0	0.1		23	1.4	0.1	0.7
2/18/08	1.4	1.1	1.0	1.1	1.0	1.0	1.4	1.2	1.8	2.3	2.2	2.4	2.4	2.3	3.2	4.3	3.8	2.1	1.4	0.1	1.5	1.4	0.1		23	4.3	0.1	1.8
2/19/08	1.2	1.2	0.1	1.3	1.1	1.0	0.1	0.1	1.2	1.1	1.7	2.7	1.9	1.4	1.1	1.3	1.6	1.4	1.6	0.1	0.1	1.1	1.1		23	2.7	0.1	1.1
2/20/08	1.3			1.5	1.4	1.1	1.0	1.0	1.1	1.3	1.5	1.6	1.9	1.7	1.8	1.7	1.3	1.3	1.3	1.5	1.5	1.6	1.2		21	1.9	1.0	1.4
2/21/08	1.6	1.0	1.1	1.0	1.1	1.3	0.1	1.1	0.1	1.2	1.5	1.2	1.4	1.3	1.5	1.4	1.3	0.1	1.0	1.2	1.2	1.4	1.1		23	1.6	0.1	1.1
2/22/08	1.0	1.2	1.4	0.1	1.1	0.1	1.1	0.1	1.0	1.2	1.4	1.4	1.3	1.1	0.1	0.1	0.1	1.2	1.4	1.2	1.0	0.1	1.3		23	1.4	0.1	0.9
2/23/08	1.3	1.0	1.2	0.1	0.1	0.1	1.0	1.0	1.3	1.3	1.2	1.5	1.5	1.4	1.2	1.3	1.3	1.2	1.3	0.1	0.1	1.0	0.1		23	1.5	0.1	0.9
2/24/08	1.0	1.2	1.0	1.1	1.3	1.4	1.2	1.2	1.6	1.0	1.2	1.0	1.1	1.1	1.4	1.5	1.4	1.3	1.4	1.7	1.3	1.1	1.2		23	1.7	1.0	1.2
2/25/08	1.1	1.2	1.5	1.0	0.1	0.1	1.0	0.1	1.0	1.1	0.1	1.0	0.1	0.1	1.1	1.2	1.1	1.0	0.1	0.1	1.0	1.2	1.0		23	1.5	0.1	0.8
2/26/08	1.0	0.1	1.6	1.0	1.0	1.0	1.0	1.2	1.3	1.4	1.5	1.2	1.1	1.0	1.2	1.3	1.3	1.7	0.1	1.2	1.5	1.0	0.1		23	1.7	0.1	1.1
2/27/08	0.1			1.2	1.0	1.0	1.3	1.2	1.3	1.8	2.0	2.0	1.9	2.2	1.6	1.3	1.4	1.2	1.4	0.1	1.2	1.2	1.2		21	2.2	0.1	1.3
2/28/08	0.1	0.1	0.1	0.1	1.2	1.1	1.1	0.1	0.1	1.0	1.1	1.0	0.1	1.1	1.1	0.1	1.0	1.5	1.4	1.2	0.1	1.2	0.1		23	1.5	0.1	0.7
2/29/08	1.0	0.1	1.0	0.1	0.1	0.1	1.3	1.0	1.0	0.1	0.1	1.2	1.1	1.1	1.0	1.4	1.0	1.4	0.1	1.1	0.1	0.1	0.1		23	1.4	0.1	0.7
																									0			
																									0			
hr max	1.8	2.0	2.1	1.8	1.6	2.1	2.0	1.7	2.0	2.3	2.2	2.7	2.4	2.3	3.2	4.3	3.8	2.1	1.6	1.7	1.7	1.6	1.6	0.0				
hr min	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0				
average	0.7	0.7	0.7	0.7	0.7	0.6	0.8	0.7	0.8	1.0	1.0	1.1	1.0	1.1	1.1	1.2	1.0	1.0	0.8	0.7	0.8	0.8	0.6	#DIV/0!				

monthly max hr	monthly min hr	monthly ave hr
4.3	0.1	0.9
2/18/08	2/1/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	659
possible hours	696
data capture	94.7%

Max 3 hr ave.	3.8	2/18/08 15:00
Max 24 hr ave.	1.8	2/18/08 0:00

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
ppb
O3

data
channel
ppb

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	max 8hr	ave hr
2/1/08	25.5	25.0	24.9	23.9	23.0	22.2	20.4	17.6	17.8	21.1	26.4	27.4	27.4	28.7	29.5	29.0	29.0	24.2	17.5	19.2	18.8	19.7	21.2		23	29.5	27.7	23.5
2/2/08	17.4	17.1	17.8	17.8	18.5	19.0	19.3	19.6	20.1	26.7	27.2	27.3	27.3	26.2	25.1	25.3	25.5	21.9	19.3	21.3	21.3	21.1	20.2		23	27.3	26.3	21.8
2/3/08	20.8	21.3	21.7	21.5	19.7	18.0	17.1	19.3	19.9	21.6	23.1	24.9	28.0	28.9	31.7	37.2	37.7	33.8	32.6	31.7	31.6	30.6	32.4		23	37.7	33.5	26.3
2/4/08	30.3	26.9	22.1	19.4	19.4	17.5	17.7	19.6	21.5	22.1	22.1	23.1	23.8	22.1	20.0	18.6	23.7	26.4	28.0	29.0	28.9	29.4	29.9		23	30.3	27.9	23.5
2/5/08	29.2	28.9	28.8	28.8	29.1	28.7	28.9	28.9	29.2	29.5	29.7	30.8	31.8	32.7	33.0	32.9	31.8	28.7	25.7	24.9	27.9	30.4	29.3		23	33.0	31.5	29.5
2/6/08	25.2		44.3	29.1	29.4	28.3	28.3	27.5	27.8	29.4	29.3	30.7	30.9	33.7	33.1	29.4	28.9	26.7	25.8	24.8	28.0	27.4	27.6		22	44.3	30.7	29.3
2/7/08	24.0	26.4	28.9	29.3	30.9	30.0	31.1	31.4	32.2	32.4	33.5	35.1	37.4	38.8	38.5	38.2	36.1	35.1	34.1	32.1	30.3	28.0	27.2		23	38.8	36.7	32.2
2/8/08	26.5	26.7	24.6	22.0	23.1	24.5	21.3	26.6	28.8	29.9	32.2	33.8	35.2	37.4	38.6	38.1	38.0	33.8	26.4	25.4	25.8	23.7	24.8		23	38.6	35.9	29.0
2/9/08	30.5	31.3	28.5	25.0	28.5	27.1	26.9	27.0	27.0	27.9	30.4	31.3	32.0	31.2	30.6	30.5	30.3	30.9	31.8	33.3	32.8	32.8	32.8		23	33.3	32.1	30.0
2/10/08	32.9	33.2	33.4	32.9	32.2	31.6	32.1	32.3	32.6	32.4	33.5	33.9	34.3	34.5	34.7	34.8	34.6	33.1	31.8	31.2	30.9	31.1	31.7		23	34.8	34.2	32.9
2/11/08	31.8	32.5	32.8	32.9	33.0	32.6	30.7	29.0	30.0	30.7	30.4	30.2	30.1	30.4	30.8	31.1	31.5	31.7	31.8	31.5	31.8	31.2	30.8		23	33.0	31.9	31.3
2/12/08	30.5	30.5	30.7	30.3	30.4	29.1	25.1	25.2	29.2	31.6	32.3	32.5	33.5	34.0	34.4	34.6	34.9	34.8	34.1	34.2	36.5	35.9	34.7		23	36.5	35.0	32.1
2/13/08	31.8		43.6	29.1	29.2	29.7	30.9	32.2	32.1	33.3	35.3	35.7	35.2	36.4	37.9	38.7	38.4	38.3	38.6	35.4	36.9	37.0	35.4		22	43.6	37.7	35.1
2/14/08	31.7	32.3	32.8	32.6	33.2	33.3	33.2	32.3	30.1	30.5	32.2	34.5	35.2	35.3	35.1	35.2	35.2	33.8	32.8	33.6	31.0	30.9	30.7		23	35.3	34.6	32.9
2/15/08	31.3	32.5	32.3	32.0	32.4	31.6	32.1	32.3	31.4	31.3	31.0	32.0	34.6	36.5	38.4	39.3	39.5	37.9	35.4	35.8	34.8	33.1	33.1		23	39.5	37.2	33.9
2/16/08	31.6	30.8	29.1	28.9	31.9	31.7	30.2	29.2	28.6	29.2	32.5	32.5	33.1	36.4	37.6	37.7	36.8	33.9	29.4	26.8	26.6	27.6	28.6		23	37.7	35.1	31.3
2/17/08	28.8	30.8	30.1	30.2	36.6	36.6	34.8	33.7	34.7	34.7	37.8	40.0	39.0	36.6	39.2	41.5	37.0	36.5	34.0	31.8	30.1	29.6	29.7		23	41.5	38.5	34.5
2/18/08	30.6	29.3	28.8	30.3	30.8	30.3	28.1	27.7	28.5	30.6	31.9	32.9	33.8	34.1	34.0	33.5	33.3	33.9	30.1	30.5	33.5	34.5	23.6		23	34.5	33.4	31.1
2/19/08	28.2	25.8	28.0	29.2	30.1	28.2	27.7	27.9	29.1	31.5	32.0	30.9	33.4	37.3	39.5	39.1	38.5	36.7	35.5	34.5	34.4	34.7	34.6		23	39.5	36.9	32.5
2/20/08	35.6		47.9	33.6	33.2	32.4	31.6	31.4	31.1	31.1	31.3	31.8	32.4	32.6	33.8	35.0	35.4	34.6	33.3	33.7	32.9	32.8	32.7		22	47.9	35.1	33.6
2/21/08	32.1	32.4	31.2	30.2	29.1	26.9	24.6	22.4	24.3	25.6	26.4	28.1	28.8	30.0	30.4	28.8	27.7	30.2	26.8	23.0	21.6	22.0	22.1		23	32.4	28.9	27.2
2/22/08	19.6	22.4	21.8	21.5	21.3	20.9	25.5	29.1	20.2	26.0	28.7	29.7	32.8	35.4	36.3	37.4	38.4	36.0	32.3	32.4	26.2	24.3	24.3		23	38.4	35.1	27.9
2/23/08	26.4	25.5	24.7	24.3	25.5	23.2	20.7	20.4	20.2	23.6	30.8	35.8	36.8	38.9	37.9	37.1	36.9	34.0	26.8	24.8	27.3	29.2	29.8		23	38.9	36.0	28.7
2/24/08	26.4	26.0	27.9	25.1	26.9	24.1	24.3	23.9	22.1	25.8	30.6	35.0	36.4	38.8	42.3	43.5	44.5	42.5	38.7	36.2	40.4	29.7	26.6		23	44.5	40.9	32.1
2/25/08	24.4	26.0	31.1	35.1	36.2	39.9	42.4	41.1	38.8	38.3	37.9	38.3	39.0	38.9	38.6	38.8	39.0	38.8	35.9	33.7	31.4	28.7	30.6		23	42.4	39.5	35.8
2/26/08	27.3	29.1	32.0	34.2	34.7	35.2	33.7	32.5	33.1	35.1	34.3	34.2	35.1	36.3	39.5	41.2	42.1	40.5	36.2	37.8	35.5	25.1	26.6		23	42.1	38.6	34.4
2/27/08	32.7		45.7	28.7	26.1	24.2	26.1	25.7	26.7	34.7	38.6	37.6	38.0	39.2	40.8	40.8	39.7	37.0	33.7	33.0	32.6	32.2	32.3		22	45.7	39.0	33.9
2/28/08	29.5	29.3	29.6	29.7	28.8	28.2	26.2	24.8	23.1	24.2	28.7	31.6	36.1	37.5	39.6	38.7	35.0	32.8	29.8	27.8	23.9	27.9	26.2		23	39.6	35.1	30.0
2/29/08	25.6	28.1	28.8	29.9	29.9	30.5	29.6	29.0	29.4	31.2	34.5	37.6	39.8	40.0	40.5	40.7	40.8	38.9	34.4	31.5	32.5	31.0	27.5		23	40.8	39.1	33.1
																									0			
																									0			

hr max	35.6	33.2	47.9	35.1	36.6	39.9	42.4	41.1	38.8	38.3	38.6	40.0	39.8	40.0	42.3	43.5	44.5	42.5	38.7	37.8	40.4	37.0	35.4	0.0
hr min	17.4	17.1	17.8	17.8	18.5	17.5	17.1	17.6	17.8	21.1	22.1	23.1	23.8	22.1	20.0	18.6	23.7	21.9	17.5	19.2	18.8	19.7	20.2	0.0
average	28.2	28.0	30.5	28.2	28.7	28.1	27.6	27.6	27.6	29.4	31.2	32.4	33.5	34.4	35.2	35.4	35.2	33.7	31.1	30.4	30.2	29.4	28.9	#DIV/0!

monthly	daily	monthly
max hr	max 8hr	ave hr
47.9	40.9	30.7
2/20/08	2/24/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	663
possible hours	696
data capture	95.3%

monthly rolling max 8 hr aver. 40.9 2/24/08 14:00

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
DegC
StnT

data
channel
DegC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	24	24	24	24	24	25	25	25	25	25	25	25	26	26	26	26	26	26	26	26	26	26	26	26	24	25.9	24.4	25.2
2/2/08	26	26	25	25	25	25	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25	25	26	24	25.9	25.3	25.6
2/3/08	25	25	25	25	25	25	25	25	25	25	25	26	26	26	26	26	26	26	26	26	26	26	26	26	24	26.1	25.0	25.5
2/4/08	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25	25	25	25	25	25	24	26.3	25.1	25.8
2/5/08	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	24	25.2	24.5	24.8
2/6/08	25	25	25	25	24	24	24	24	24	24	25	25	25	25	25	24	24	24	23	23	24	24	24	24	24	25.3	23.4	24.3
2/7/08	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	25	25	25	25	25	25	25	25	25	24	25.1	23.5	24.3
2/8/08	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	26	26	26	26	26	26	26	26	26	24	26.2	24.7	25.3
2/9/08	26	26	26	26	25	25	24	24	24	24	24	24	24	24	24	24	24	24	24	23	23	22	22	22	24	26.0	22.1	24.1
2/10/08	22	21	21	21	21	21	21	20	20	20	20	21	22	23	24	24	24	23	22	21	21	20	20	20	24	23.8	19.9	21.4
2/11/08	20	20	20	19	19	20	20	20	20	20	21	21	21	22	23	23	24	24	24	25	25	25	25	25	24	25.4	19.4	21.9
2/12/08	25	25	25	25	25	25	25	25	24	25	25	25	25	25	25	25	25	25	25	25	25	25	25	26	24	25.9	24.2	25.0
2/13/08	26	26	27	26	26	25	25	25	25	25	25	25	25	26	26	26	26	26	26	26	26	26	26	26	24	26.6	25.1	25.6
2/14/08	26	25	25	25	25	25	25	25	25	24	24	24	24	24	25	25	25	25	25	25	25	25	24	25	24	25.5	24.2	24.7
2/15/08	24	24	23	23	23	23	22	22	22	23	24	24	25	25	25	25	25	25	25	25	25	25	25	26	24	25.8	22.1	24.2
2/16/08	26	26	25	25	26	26	25	26	26	26	26	26	26	26	26	26	27	27	27	27	27	27	27	27	24	26.9	25.4	26.1
2/17/08	27	27	27	27	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25	25	25	26	24	26.7	25.2	26.0
2/18/08	25	25	25	25	25	25	24	24	24	24	24	24	24	24	24	24	24	24	24	25	25	25	25	25	24	25.1	23.7	24.4
2/19/08	25	24	24	24	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	24	24	23	24	25.2	23.3	24.6
2/20/08	23	22	22	21	20	20	19	18	18	18	19	20	20	21	22	22	22	22	22	22	22	22	22	23	24	22.6	18.0	21.0
2/21/08	23	22	22	22	22	22	22	22	23	23	25	25	25	25	25	25	25	25	25	25	25	25	25	26	24	25.5	22.2	23.9
2/22/08	25	25	25	25	25	25	25	25	25	25	25	25	26	26	26	26	26	26	26	26	26	26	26	26	24	26.3	25.1	25.6
2/23/08	26	26	26	26	26	26	26	26	26	26	26	26	26	27	27	27	27	27	27	27	27	27	26	27	24	27.3	25.5	26.3
2/24/08	27	26	26	26	26	26	26	26	26	26	27	27	27	27	27	28	28	28	28	28	28	27	27	28	24	28.4	26.0	26.9
2/25/08	27	27	27	27	27	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	24	27.4	25.5	26.0
2/26/08	26	25	25	25	25	25	25	25	25	25	25	25	25	25	26	26	26	26	26	26	26	26	26	27	24	26.5	25.2	25.7
2/27/08	26	27	27	26	26	26	26	26	26	26	26	26	26	27	27	27	27	27	27	27	27	27	27	27	24	27.0	25.8	26.5
2/28/08	27	27	27	26	26	26	26	26	26	27	27	27	27	28	28	29	29	29	29	28	28	27	27	27	24	29.1	26.3	27.3
2/29/08	27	26	26	26	26	26	26	26	26	26	26	26	27	27	27	27	28	28	28	28	27	27	27	27	24	28.2	25.8	26.6
																									0			
																									0			

hr max	27.4	27.2	27.0	26.8	26.6	26.4	26.4	26.3	26.4	26.6	26.8	26.9	27.3	27.8	28.4	28.7	29.1	29.1	28.7	28.0	27.5	27.4	27.3	27.7
hr min	20.0	19.8	19.5	19.4	19.4	19.5	18.8	18.1	18.0	18.4	19.1	19.7	20.4	21.0	21.5	21.9	22.3	22.4	22.3	21.4	20.8	20.4	19.9	20.2
average	25.0	24.9	24.9	24.7	24.6	24.5	24.4	24.3	24.3	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.5	25.6	25.5	25.4	25.3	25.2	25.1	25.4

monthly	monthly	monthly
max hr	min hr	ave hr
29.1	18.0	25.0
2/28/08	2/20/08	

NOTE: Even though analyzer are heated, we pulled SO2 and O3
data when station temperature <18 C (outside T ~ <-20 C)

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
w/m2
solar

data
channel
w/m2

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	24 hr	total
2/1/08	0	0	0	0	0	0	0	0	43	193	269	174	294	270	208	218	218	23	0	0	0	0	0	0	24	294	1909	1909
2/2/08	0	0	0	0	0	0	0	0	14	55	89	96	104	116	200	293	174	35	0	0	0	0	0	0	24	293	1175	1175
2/3/08	0	0	0	0	0	0	0	0	57	142	218	347	470	477	411	311	168	20	0	0	0	0	0	0	24	477	2620	2620
2/4/08	0	0	0	0	0	0	0	0	6	35	54	69	65	55	64	83	49	6	0	0	0	0	0	0	24	83	486	486
2/5/08	0	0	0	0	0	0	0	0	22	97	210	368	384	488	410	328	186	45	0	0	0	0	0	0	24	488	2539	2539
2/6/08	0	0	0	0	0	0	0	0	102	240	306	487	544	516	446	289	118	17	0	0	0	0	0	0	24	544	3065	3065
2/7/08	0	0	0	0	0	0	0	0	84	244	354	431	440	506	352	149	58	31	0	0	0	0	0	0	24	506	2648	2648
2/8/08	0	0	0	0	0	0	0	0	19	59	167	292	331	450	362	270	196	40	0	0	0	0	0	0	24	450	2188	2188
2/9/08	0	0	0	0	0	0	0	0	47	155	196	261	383	423	370	187	102	32	0	0	0	0	0	0	24	423	2156	2156
2/10/08	0	0	0	0	0	0	0	0	37	118	261	327	275	213	235	178	90	28	0	0	0	0	0	0	24	327	1762	1762
2/11/08	0	0	0	0	0	0	0	0	28	78	82	120	112	130	122	118	88	35	0	0	0	0	0	0	24	130	911	911
2/12/08	0	0	0	0	0	0	0	6	126	314	458	479	530	351	354	249	232	68	0	0	0	0	0	0	24	530	3166	3166
2/13/08	0	0	0	0	0	0	0	0	36	107	185	266	450	339	302	161	57	22	0	0	0	0	0	0	24	450	1925	1925
2/14/08	0	0	0	0	0	0	0	0	67	224	396	538	484	482	437	373	235	72	0	0	0	0	0	0	24	538	3310	3310
2/15/08	0	0	0	0	0	0	0	8	144	332	462	513	545	560	495	387	239	80	0	0	0	0	0	0	24	560	3765	3765
2/16/08	0	0	0	0	0	0	0	4	59	283	423	220	325	538	434	249	160	40	0	0	0	0	0	0	24	538	2737	2737
2/17/08	0	0	0	0	0	0	0	7	37	171	233	519	293	203	258	400	257	84	0	0	0	0	0	0	24	519	2461	2461
2/18/08	0	0	0	0	0	0	0	12	148	328	457	552	601	593	536	422	269	98	0	0	0	0	0	0	24	601	4013	4013
2/19/08	0	0	0	0	0	0	0	4	34	107	284	468	514	558	535	402	205	74	0	0	0	0	0	0	24	558	3185	3185
2/20/08	0	0	0	0	0	0	0	13	139	318	434	545	608	414	325	308	199	60	0	0	0	0	0	0	24	608	3364	3364
2/21/08	0	0	0	0	0	0	0	14	147	318	452	545	589	472	231	185	112	64	5	0	0	0	0	0	24	589	3133	3133
2/22/08	0	0	0	0	0	0	0	28	199	396	522	568	599	591	524	418	276	106	5	0	0	0	0	0	24	599	4232	4232
2/23/08	0	0	0	0	0	0	0	35	236	446	561	574	606	608	540	414	271	104	5	0	0	0	0	0	24	608	4397	4397
2/24/08	0	0	0	0	0	0	0	22	185	370	433	472	522	379	335	356	278	106	0	0	0	0	0	0	24	522	3458	3458
2/25/08	0	0	0	0	0	0	0	0	33	77	97	178	341	284	302	348	304	121	8	0	0	0	0	0	24	348	2094	2094
2/26/08	0	0	0	0	0	0	0	9	60	162	398	576	619	608	509	364	182	58	0	0	0	0	0	0	24	619	3544	3544
2/27/08	0	0	0	0	0	0	0	27	172	337	474	565	600	579	454	251	137	42	0	0	0	0	0	0	24	600	3638	3638
2/28/08	0	0	0	0	0	0	0	7	62	264	412	566	609	604	420	369	180	77	5	0	0	0	0	0	24	609	3574	3574
2/29/08	0	0	0	0	0	0	0	27	172	347	488	589	623	621	552	447	299	116	7	0	0	0	0	0	24	623	4287	4287
																									0		0	0
																									0		0	0

hr max	0	0	0	0	0	0	0	35	236	446	561	589	623	621	552	447	304	121	8	0	0	0	0	0
hr min	0	0	0	0	0	0	0	0	6	35	54	69	65	55	64	83	49	6	0	0	0	0	0	0
average	0	0	0	0	0	0	0	8	87	218	323	404	443	428	370	294	184	59	1	0	0	0	0	0

monthly	monthly	monthly
max hr	Max24hr	Total
623	4397	81742
2/29/08	2/23/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
mmhg
BP

data
channel
mmhg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	699	699	698	698	697	697	698	698	698	698	699	699	699	699	699	699	699	700	701	701	702	703	703	703	24	703	697.4	699.4
2/2/08	703	704	704	704	704	705	705	705	705	705	705	705	705	705	704	704	704	704	704	705	705	705	704	704	24	705	703.2	704.5
2/3/08	703	703	702	702	702	701	701	701	700	700	700	700	699	698	698	697	697	697	698	698	698	698	698	698	24	703	697.0	699.5
2/4/08	699	698	698	698	698	698	698	699	700	700	700	701	701	701	701	702	703	704	705	705	706	707	708	708	24	708	698.2	701.6
2/5/08	708	708	708	709	709	710	710	710	710	711	711	710	710	710	709	709	709	709	709	709	708	707	707	707	24	711	706.6	709.1
2/6/08	706	706	705	704	704	703	703	703	702	702	702	702	701	700	700	700	700	700	701	701	701	702	702	702	24	706	699.8	702.1
2/7/08	702	702	702	702	702	702	703	703	702	702	701	701	700	699	698	697	696	696	696	696	695	695	695	695	24	703	694.6	699.2
2/8/08	695	695	695	695	695	696	696	697	698	698	698	698	698	698	698	698	698	698	698	698	698	698	697	697	24	698	694.6	697.0
2/9/08	698	698	699	701	702	703	704	706	707	708	709	710	711	711	712	713	713	714	714	715	716	716	716	717	24	717	697.6	708.9
2/10/08	717	718	718	718	718	718	719	719	719	719	719	718	717	717	715	715	714	714	713	712	711	710	710	709	24	719	709.0	715.6
2/11/08	708	708	707	707	706	706	706	706	706	706	706	707	707	707	707	708	709	709	709	710	710	710	710	709	24	710	705.5	707.6
2/12/08	709	709	709	708	708	708	708	707	707	707	707	706	706	705	704	704	704	704	705	705	705	705	705	705	24	709	704.2	706.2
2/13/08	704	704	703	703	702	702	701	700	700	698	697	696	695	695	694	695	695	695	695	696	697	697	698	699	24	704	694.3	698.4
2/14/08	701	702	703	704	706	706	707	708	709	710	710	710	711	710	710	710	710	710	710	711	711	711	712	712	24	712	700.9	708.5
2/15/08	711	711	711	710	710	711	710	711	710	710	710	710	709	709	708	708	708	708	708	707	707	707	707	706	24	711	706.1	709.1
2/16/08	706	705	704	703	702	701	700	699	698	698	698	698	697	697	697	697	697	697	698	698	698	699	700	700	24	706	696.5	699.4
2/17/08	700	700	701	701	701	701	701	701	701	701	701	701	701	701	701	701	702	703	703	703	703	703	703	703	24	703	700.2	701.5
2/18/08	704	704	704	705	705	705	706	706	707	707	708	708	708	708	708	708	708	708	708	708	707	707	707	706	24	708	703.5	706.6
2/19/08	706	705	705	704	703	703	703	702	703	703	703	704	705	706	706	707	708	709	710	710	711	712	713	714	24	714	702.2	706.5
2/20/08	714	714	715	715	715	715	715	715	715	715	715	714	714	713	712	712	711	711	710	710	710	710	710	709	24	715	709.0	712.8
2/21/08	709	708	708	708	707	707	707	707	706	706	706	706	706	705	705	704	704	704	704	704	703	704	704	704	24	709	703.4	705.6
2/22/08	704	704	704	703	703	703	703	703	704	704	704	704	704	703	703	703	703	702	703	703	703	703	703	703	24	704	702.4	703.1
2/23/08	703	703	703	703	703	703	703	703	703	704	704	704	704	704	704	704	704	704	704	705	705	705	705	704	24	705	702.6	703.6
2/24/08	704	704	704	704	704	704	704	704	704	704	704	703	703	703	702	702	702	702	702	702	702	702	702	702	24	704	701.5	702.9
2/25/08	702	702	702	703	703	704	705	706	707	708	708	709	709	710	710	710	711	711	712	712	713	713	714	714	24	714	701.6	708.2
2/26/08	714	714	714	714	714	715	714	714	714	715	714	714	714	713	712	712	711	711	711	711	711	711	710	710	24	715	709.7	712.8
2/27/08	710	710	709	709	710	710	710	710	710	710	710	710	709	708	708	707	707	706	706	705	705	705	704	703	24	710	703.3	707.9
2/28/08	703	702	701	700	700	699	699	699	699	699	699	699	699	699	700	700	701	701	702	703	704	705	706	706	24	706	698.5	700.9
2/29/08	707	707	708	708	708	708	709	709	709	709	710	710	710	709	709	709	709	708	708	708	707	707	707	707	24	710	706.6	708.3
																									0			
																									0			

hr max	717.3	717.6	718.0	718.1	718.2	718.4	718.5	718.6	718.8	718.6	718.6	718.2	717.4	716.5	715.4	714.7	714.0	713.8	714.1	714.8	715.5	715.9	716.2	716.6
hr min	694.7	694.6	694.9	695.3	695.4	695.8	696.4	696.9	697.5	697.7	697.4	696.4	695.2	694.5	694.3	694.5	694.7	694.7	695.1	695.5	695.1	694.6	694.7	694.6
average	705.1	705.0	705.0	704.9	704.9	704.9	705.0	705.1	705.3	705.4	705.4	705.4	705.2	704.9	704.6	704.6	704.6	704.8	704.9	705.1	705.2	705.3	705.4	705.3

monthly	monthly	monthly
max hr	min hr	ave hr
719	694.3	705.1
2/10/08	2/13/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
%
RH

data
channel
%

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
2/1/08	81.2	81.2	81.4	82.4	81.9	79.9	81.5	86.0	84.5	69.7	58.0	54.2	49.8	46.9	45.5	43.9	43.9	56.8	70.2	73.4	81.1	84.7	85.9	89.9	24	89.9	43.9	70.6
2/2/08	94.3	94.5	94.8	94.2	94.6	95.9	95.2	95.0	95.5	95.9	95.7	95.8	95.6	94.8	87.8	76.1	78.6	87.2	95.6	96.2	95.4	95.2	94.7	94.8	24	96.2	76.1	93.1
2/3/08	94.7	94.8	94.5	93.8	92.5	91.4	90.9	93.0	93.9	95.0	95.0	90.5	67.6	54.8	45.5	42.6	49.4	64.3	75.4	84.0	89.9	92.0	90.9	89.9	24	95.0	42.6	81.9
2/4/08	91.8	94.1	96.9	98.9	99.4	99.2	99.1	99.0	99.0	99.0	99.0	99.0	98.9	98.7	98.6	96.5	94.8	93.9	93.0	91.4	90.3	89.5	88.3	87.5	24	99.4	87.5	95.7
2/5/08	87.9	88.3	88.1	88.4	87.3	87.6	87.4	87.6	87.2	86.1	84.0	79.6	77.2	74.3	73.2	72.1	74.3	81.4	87.3	90.6	92.0	91.6	88.8	87.4	24	92.0	72.1	84.6
2/6/08	88.1	88.2	89.0	89.0	88.9	87.8	88.9	89.2	89.7	87.9	85.5	80.9	73.9	68.2	64.2	61.7	66.5	75.3	79.9	81.5	85.9	92.4	93.8	95.0	24	95.0	61.7	83.0
2/7/08	96.5	93.4	89.0	86.9	87.4	88.3	87.8	88.4	85.1	77.3	60.9	47.9	41.6	35.6	39.0	44.8	55.0	60.3	65.5	74.4	79.4	84.3	84.7	83.8	24	96.5	35.6	72.4
2/8/08	85.1	82.9	85.9	87.9	86.9	85.5	87.9	90.1	89.9	89.5	84.3	78.1	74.3	68.4	66.0	65.4	60.7	68.3	79.9	84.3	80.7	83.2	84.4	85.5	24	90.1	60.7	80.6
2/9/08	81.6	79.8	82.1	81.2	76.5	74.2	72.4	73.2	70.5	66.8	62.2	57.5	52.5	51.8	52.3	54.8	57.9	64.3	69.9	60.1	59.0	56.7	55.0	54.2	24	82.1	51.8	65.3
2/10/08	53.4	51.3	49.9	51.6	55.8	56.6	54.6	54.4	51.3	50.5	45.3	40.8	37.9	37.0	42.3	57.4	66.5	72.2	75.9	78.3	79.7	80.4	81.3	82.1	24	82.1	37.0	58.6
2/11/08	82.4	82.5	82.8	82.8	82.8	82.4	82.4	82.2	81.8	81.1	81.1	81.4	81.9	83.6	85.0	85.7	85.4	85.4	85.4	85.6	85.8	86.2	86.4	86.5	24	86.5	81.1	83.7
2/12/08	86.4	87.2	86.9	86.8	86.7	86.1	85.3	83.6	84.6	83.3	79.4	74.2	71.3	75.2	76.8	77.8	75.6	80.3	86.0	88.0	86.4	85.1	86.3	87.5	24	88.0	71.3	82.8
2/13/08	88.0	89.8	91.9	93.0	93.3	95.1	95.4	94.5	94.7	94.5	89.4	85.6	83.0	83.4	82.2	84.5	88.2	94.6	94.8	95.1	95.5	95.8	96.2	92.6	24	96.2	82.2	91.3
2/14/08	90.9	90.2	88.9	87.2	85.9	85.0	84.0	82.0	78.7	76.2	71.3	66.4	67.5	67.5	67.5	65.5	66.7	70.1	76.5	83.1	82.9	82.7	83.2	83.5	24	90.9	65.5	78.5
2/15/08	83.7	83.5	84.4	84.5	84.2	83.6	84.6	84.4	83.4	80.8	75.9	68.5	64.0	62.2	61.0	60.3	63.0	71.3	81.6	82.6	84.1	87.8	88.8	88.7	24	88.8	60.3	78.2
2/16/08	88.5	86.7	89.1	89.2	85.0	83.3	85.6	88.1	86.3	76.9	66.0	68.8	65.6	59.3	66.8	71.0	75.5	83.0	86.8	91.3	90.5	88.5	87.6	87.6	24	91.3	59.3	81.2
2/17/08	87.5	85.1	86.8	87.4	78.6	82.1	87.0	85.0	83.8	83.7	69.6	60.1	65.7	76.6	84.9	55.2	64.4	68.8	70.6	75.0	80.3	82.2	82.6	83.4	24	87.5	55.2	77.8
2/18/08	77.1	77.2	78.5	78.5	79.1	80.5	82.1	81.7	79.2	75.2	71.2	68.5	65.7	62.2	58.7	57.7	58.4	61.7	71.1	73.2	71.7	74.8	78.9	80.7	24	82.1	57.7	72.7
2/19/08	79.7	81.4	81.6	79.9	77.3	79.1	80.6	81.3	81.6	80.9	75.8	70.8	69.6	61.7	52.6	48.2	50.6	58.3	65.8	72.1	75.2	76.7	75.4	72.8	24	81.6	48.2	72.0
2/20/08	67.5	61.0	62.3	66.3	67.3	70.4	71.5	71.3	65.2	61.8	61.3	58.7	55.3	54.9	52.3	48.9	50.0	54.3	60.2	61.0	65.4	67.4	70.7	72.7	24	72.7	48.9	62.4
2/21/08	73.8	74.9	76.6	78.4	79.8	81.6	84.8	85.0	80.6	73.3	62.2	56.8	56.4	57.9	64.0	65.5	69.2	78.4	86.2	89.7	90.3	89.7	89.2	88.3	24	90.3	56.4	76.4
2/22/08	87.8	87.0	88.6	89.5	89.8	89.7	90.0	91.5	81.4	77.3	70.0	62.1	54.8	52.1	50.1	49.6	50.7	57.8	73.8	79.5	87.1	90.6	91.0	89.1	24	91.5	49.6	76.3
2/23/08	89.4	89.7	90.3	90.0	89.1	90.9	94.0	92.2	84.2	82.5	68.7	57.6	52.5	47.9	49.1	50.8	53.3	62.3	81.8	90.3	90.8	88.8	89.1	89.2	24	94.0	47.9	77.7
2/24/08	89.5	91.7	90.4	92.9	91.0	89.9	90.4	90.5	86.3	80.5	69.8	63.1	63.9	63.5	61.4	56.7	54.8	58.2	70.4	77.6	77.6	83.0	87.0	86.9	24	92.9	54.8	77.8
2/25/08	87.7	88.7	91.2	92.5	93.1	94.4	96.4	96.8	95.3	89.1	87.2	80.6	74.8	72.5	69.9	66.0	63.2	64.7	73.0	80.2	83.6	87.3	86.3	86.1	24	96.8	63.2	83.4
2/26/08	88.9	89.7	87.2	87.3	87.4	86.3	85.4	85.1	83.7	80.7	75.5	68.8	61.5	55.3	49.3	47.7	51.1	55.6	67.5	66.8	76.3	83.2	83.3	83.0	24	89.7	47.7	74.4
2/27/08	79.7	82.1	78.7	82.7	86.4	88.6	87.9	87.4	82.1	73.5	66.3	61.0	52.8	50.2	45.7	47.6	50.9	56.4	62.8	69.3	72.3	72.7	71.9	75.2	24	88.6	45.7	70.2
2/28/08	79.9	80.7	81.1	83.0	85.5	85.5	86.3	85.3	83.8	71.1	60.7	56.2	54.4	52.8	51.7	52.8	59.2	64.2	73.7	77.1	89.6	93.0	93.4	91.9	24	93.4	51.7	74.7
2/29/08	93.8	91.9	90.5	88.7	88.3	87.1	86.7	87.3	84.6	78.9	68.5	57.2	46.5	43.0	40.5	38.6	38.6	41.6	59.2	71.6	68.7	73.6	83.2	86.4	24	93.8	38.6	70.6
																									0			
																									0			

hr max	96.5	94.8	96.9	98.9	99.4	99.2	99.1	99.0	99.0	99.0	99.0	99.0	98.9	98.7	98.6	96.5	94.8	94.6	95.6	96.2	95.5	95.8	96.2	95.0
hr min	53.4	51.3	49.9	51.6	55.8	56.6	54.6	54.4	51.3	50.5	45.3	40.8	37.9	35.6	39.0	38.6	38.6	41.6	59.2	60.1	59.0	56.7	55.0	54.2
average	84.7	84.5	84.8	85.3	84.9	85.1	85.7	85.9	83.7	80.0	73.8	68.6	64.7	62.5	61.5	60.2	62.6	68.7	76.6	80.1	82.3	84.1	84.8	84.9

monthly	monthly	monthly
max hr	min hr	ave hr
99.4	35.6	77.5
2/4/08	2/7/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
February-08
in
Prcp

data channel in

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid hr count	daily max hr		daily total
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
2/1/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/2/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/3/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/4/08	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	24	0.01		0.01
2/5/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/6/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/7/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/8/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/9/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/10/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/11/08	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0	0	0	0	0	0	0	0	24	0.01		0.04
2/12/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/13/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0.01	0	0	0	0	24	0.01		0.02
2/14/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/15/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/16/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/17/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/18/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/19/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/20/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/21/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/22/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/23/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/24/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/25/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/26/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/27/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/28/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
2/29/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
																									0			
																									0			
hr max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00				
hr min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00				

monthly max hr	monthly 24h max	monthly TOTAL
0.01	0.04	0.07
2/4/08	2/11/08	

Validated by: Roger L Thompson Date: 3/10/08
Analyst: Denise Hazelman Date: 3/10/08

valid hours	696
possible hours	696
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
mps
10WS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
3/1/08	6.6	6.4	4.8	4.8	5.5	5.3	3.2	4.4	5.9	5.9	4.5	4.6	5.7	7.0	6.7	7.5	7.5	7.4	8.0	10.0	9.2	9.0	8.7	4.3	24	10.0	3.2	6.4
3/2/08	2.6	3.3	2.9	4.6	9.0	11.8	13.0	16.6	15.6	15.1	13.9	13.7	13.8	14.8	14.4	13.8	12.7	12.5	10.5	7.4	7.5	7.7	9.1	9.6	24	16.6	2.6	10.7
3/3/08	10.1	9.5	8.2	8.4	10.0	6.7	4.6	4.4	5.5	4.6	3.7	4.1	4.6	4.3	4.1	4.8	5.4	5.6	5.3	4.9	5.7	5.7	5.9	6.4	24	10.1	3.7	5.9
3/4/08	6.7	6.0	5.9	6.2	6.4	6.1	6.2	6.1	6.4	6.0	5.2	6.0	6.0	6.6	6.3	7.0	7.7	7.4	9.3	8.0	9.7	10.3	10.4	11.3	24	11.3	5.2	7.2
3/5/08	11.8	10.7	9.2	11.0	10.6	9.7	7.9	7.2	8.7	10.5	8.8	8.6	7.2	7.4	6.7	5.3	5.7	4.3	3.8	4.6	9.2	10.9	7.1	5.0	24	11.8	3.8	8.0
3/6/08	4.3	4.4	4.2	4.9	5.2	5.1	4.8	4.5	5.0	6.3	7.8	7.4	6.7	6.2	6.5	6.5	6.4	5.7	4.2	3.0	1.4	1.8	2.1	2.3	24	7.8	1.4	4.9
3/7/08	1.9	3.0	4.0	4.2	4.2	4.4	4.1	3.9	4.3	4.5	5.2	5.6	5.7	6.5	7.1	7.2	7.9	8.3	6.6	5.2	6.1	7.9	9.1	8.2	24	9.1	1.9	5.6
3/8/08	9.0	8.2	7.3	5.6	5.3	4.9	5.2	5.4	6.6	8.7	10.1	10.4	9.5	9.8	9.3	9.6	9.5	7.6	4.9	5.2	4.6	1.8	2.3	2.6	24	10.4	1.8	6.8
3/9/08	2.8	2.2	2.7	1.9	2.6	2.6	2.7	2.6	2.6	2.8	3.2	3.6	3.9	4.0	4.7	3.9	3.9	3.9	1.8	1.5	2.6	3.2	2.9	3.6	24	4.7	1.5	3.0
3/10/08	4.5	5.5	5.9	5.8	5.5	5.4	5.4	5.6	5.0	4.2	4.9	6.2	7.5	6.8	6.6	6.5	6.0	5.0	4.4	5.0	5.0	5.3	5.4	5.3	24	7.5	4.2	5.5
3/11/08	5.8	6.1	5.7	5.6	5.4	5.1	4.4	3.3	3.3	3.4	2.4	2.4	4.0	5.1	5.0	4.1	2.2	1.4	1.8	3.5	5.0	4.6	2.3	2.2	24	6.1	1.4	3.9
3/12/08	1.7	4.4	3.9	2.2	2.4	7.5	8.3	7.0	7.5	7.0	8.3	9.1	11.5	13.9	13.4	12.5	11.5	8.6	5.8	6.9	5.8	5.9	6.2	5.8	24	13.9	1.7	7.4
3/13/08	5.5	5.6	5.4	5.2	5.0	5.2	5.4	5.5	6.0			6.7	6.7	6.7	8.0	8.4	9.2	8.5	6.6	3.7	4.5	2.6	3.7	4.0	22	9.2	2.6	5.8
3/14/08	3.3	2.3	1.5	4.9	3.0	2.6	4.7	3.6	4.9	6.2	5.3	5.3	5.2	5.0	4.6	4.9	4.9	4.3	2.4	1.3	0.7	0.5	0.5	1.0	24	6.2	0.5	3.5
3/15/08	1.7	1.6	1.8	2.5	2.4	2.8	2.5	1.8	3.4	4.1	3.5	3.1	3.0	2.3	2.7	2.7	3.1	4.1	3.7	3.7	4.1	4.3	4.3	4.0	24	4.3	1.6	3.1
3/16/08	4.3	3.4	3.4	2.7	3.8	3.8	5.2	6.5	6.2	7.2	8.3	8.1	8.6	8.5	8.5	8.4	7.1	7.5	6.1	7.0	7.3	9.5	6.7	5.8	24	9.5	2.7	6.4
3/17/08	8.4	7.9	7.3	6.1	6.6	4.4	4.8	4.5	5.1	5.4	4.4	2.5	1.9	2.5	2.4	2.5	1.8	1.9	3.3	4.4	3.7	3.8	4.0	4.8	24	8.4	1.8	4.4
3/18/08	5.0	4.4	4.1	4.4	5.0	4.9	5.1	6.1	7.1	5.2	4.2	4.5	4.1	4.4	4.0	3.7	7.3	4.1	4.5	2.1	1.4	1.6	2.6	2.7	24	7.3	1.4	4.3
3/19/08	3.3	4.2	4.5	4.6	3.7	3.3	3.4	2.3	2.5	2.4	3.5	3.7	4.1	4.0	3.7	7.8	9.9	7.4	6.6	6.4	5.7	5.5	5.4	5.0	24	9.9	2.3	4.7
3/20/08	4.5	5.1	6.2	4.7	4.7	4.4	4.2	4.3	4.7	5.3	5.3	6.2	7.2	6.9	7.9	8.2	7.4	6.7	5.1	5.8	5.1	4.7	4.1	4.0	24	8.2	4.0	5.5
3/21/08	5.4	6.0	4.3	2.6	2.7	4.1	5.0	3.6	4.5	6.8	6.3	5.1	4.4	3.9	3.3	4.4	4.7	5.4	3.2	1.0	1.3	2.2	3.4	4.3	24	6.8	1.0	4.1
3/22/08	4.1	4.5	7.2	8.9	7.2	8.0	7.9	7.8	7.8	8.0	8.7	7.5	6.6	7.0	6.4	6.0	5.1	4.5	4.0	2.5	2.5	2.4	2.6	3.1	24	8.9	2.4	5.8
3/23/08	2.9	4.1	4.5	3.7	3.5	3.2	3.0	2.7	3.7	4.2	3.0	2.1	1.8	1.8	2.0	2.6	3.9	4.8	4.6	4.4	5.7	6.1	5.6	5.7	24	6.1	1.8	3.7
3/24/08	6.3	6.0	6.0	6.8	7.2	7.1	8.5	10.0	12.4	12.3	10.9	10.0	9.6	7.9	8.1	7.4	5.9	6.8	7.7	6.0	6.6	8.4	8.4	9.6	24	12.4	5.9	8.2
3/25/08	10.3	9.2	8.1	9.4	10.0	10.0	9.8	10.8	13.4	13.6	12.3	10.6	9.5	8.5	7.4	6.2	4.1	3.3	1.1	1.8	3.1	2.9	1.7	3.1	24	13.6	1.1	7.5
3/26/08	4.2	4.9	4.5	4.2	3.6	3.6	3.7	2.0	2.2	2.7	3.6	3.8	5.1	5.7	6.7	6.6	6.7	6.2	5.2	4.7	5.0	5.5	5.0	6.0	24	6.7	2.0	4.6
3/27/08	4.7	4.0	4.2	3.7	2.5	3.7	3.2	2.8	2.3	2.1	2.3	3.5	4.2	3.3	2.8	2.7	2.5	2.6	2.4	2.9	3.0	3.3	3.8	3.8	24	4.7	2.1	3.2
3/28/08	3.3	2.9	3.6	4.3	4.9	4.4	4.7	4.4	5.5	7.2	7.0	6.2	6.5	6.4	6.3	6.0	6.4	6.4	5.0	4.1	5.0	4.5	4.0	3.9	24	7.2	2.9	5.1
3/29/08	5.2	5.9	8.7	9.6	9.4	10.2	10.9	10.6	10.0	10.2	11.0	8.9	10.0	10.2	9.5	9.3	10.3	6.7	4.3	7.3	6.1	6.1	4.5	5.0	24	11.0	4.3	8.3
3/30/08	6.4	7.5	7.6	6.5	7.5	8.7	8.1	8.4	7.9	8.5	6.9	5.5	4.1	3.9	2.8	2.4	2.1	2.2	2.7	2.9	3.3	2.9	1.9	1.8	24	8.7	1.8	5.1
3/31/08	2.6	1.5	2.3	2.8	3.5	5.0	5.6	6.2	6.2	6.4	6.4	6.8	6.9	8.0	8.1	8.5	7.3	6.8	5.4	4.9	4.0	6.0	5.6	4.2	24	8.5	1.5	5.5
hr max	11.8	10.7	9.2	11.0	10.6	11.8	13.0	16.6	15.6	15.1	13.9	13.7	13.8	14.8	14.4	13.8	12.7	12.5	10.5	10.0	9.7	10.9	10.4	11.3				
hr min	1.7	1.5	1.5	1.9	2.4	2.6	2.5	1.8	2.2	2.1	2.3	2.1	1.8	1.8	2.0	2.4	1.8	1.4	1.1	1.0	0.7	0.5	0.5	1.0				
average	5.1	5.2	5.2	5.3	5.4	5.6	5.7	5.6	6.2	6.6	6.4	6.2	6.3	6.4	6.3	6.4	6.3	5.7	4.8	4.6	4.8	5.1	4.8	4.8				

monthly	monthly	monthly
max hr	min hr	ave hr
16.6	0.5	5.6
3/2/08	3/14/08	

Validated by: Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
mps
50WS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
3/1/08	10.4	10.2	8.2	8.1	8.9	8.8	6.2	7.6	7.3	6.8	4.8	4.8	6.5	8.1	7.8	8.8	8.8	10.2	12.2	14.2	12.9	12.7	12.7	6.9	24	14.2	4.8	8.9
3/2/08	3.3	5.3	4.7	6.4	11.2	14.5	15.4	19.4	18.3	18.0	16.8	16.6	16.3	17.2	16.9	16.4	15.1	15.0	12.9	9.6	9.8	10.1	11.4	11.9	24	19.4	3.3	13.0
3/3/08	12.3	11.3	9.9	10.1	11.7	8.1	6.2	5.7	5.9	4.9	4.0	4.6	5.2	4.7	4.7	5.4	6.2	7.3	9.4	7.9	7.6	7.5	7.2	8.0	24	12.3	4.0	7.3
3/4/08	9.1	7.0	7.0	8.3	10.1	10.4	10.3	10.0	9.1	7.3	6.0	6.5	6.6	7.2	7.1	8.5	9.6	9.5	11.5	10.1	11.7	12.3	12.8	13.5	24	13.5	6.0	9.2
3/5/08	14.3	12.7	10.9	12.7	12.4	11.3	9.9	8.5	9.7	11.5	9.5	9.5	7.9	8.3	7.3	5.8	6.2	5.1	6.0	7.3	11.2	13.1	9.5	8.0	24	14.3	5.1	9.5
3/6/08	5.5	4.4	5.0	9.0	10.1	10.4	8.8	7.5	6.2	7.0	9.1	8.5	7.6	7.0	7.3	7.5	7.7	7.0	6.4	5.8	4.0	3.8	4.0	4.1	24	10.4	3.8	6.8
3/7/08	4.0	3.8	5.6	6.3	6.5	7.2	7.2	6.9	5.5	5.0	6.0	6.5	6.6	7.5	8.1	8.5	9.6	10.1	9.0	6.5	7.3	10.0	12.4	11.5	24	12.4	3.8	7.4
3/8/08	12.7	11.5	10.5	9.0	8.6	8.5	9.0	8.1	8.7	10.2	11.6	12.0	11.2	11.5	10.6	11.2	11.0	9.1	6.9	7.1	6.5	4.4	4.0	3.9	24	12.7	3.9	9.1
3/9/08	4.1	3.4	4.0	2.4	2.9	3.5	3.7	3.5	3.0	3.2	3.6	4.0	4.4	4.5	5.1	4.4	4.4	4.2	2.7	2.2	2.6	2.9	3.0	6.8	24	6.8	2.2	3.7
3/10/08	7.8	9.9	10.9	10.5	9.5	9.8	10.9	10.8	9.5	4.8	5.4	7.1	8.6	7.9	7.7	7.6	7.1	6.5	6.7	9.4	11.0	10.2	9.5	10.0	24	11.0	4.8	8.7
3/11/08	10.5	8.3	9.8	9.6	8.1	7.1	6.1	6.0	4.8	3.5	2.6	2.5	4.6	5.8	5.7	4.7	2.9	2.4	1.9	5.6	10.3	7.1	4.0	4.5	24	10.5	1.9	5.8
3/12/08	3.4	6.8	4.3	2.7	4.2	11.7	11.7	9.9	9.6	9.3	10.2	10.4	13.1	15.7	15.3	14.2	13.3	10.8	9.2	9.8	9.7	10.2	10.5	9.9	24	15.7	2.7	9.8
3/13/08	8.0	8.1	8.8	9.4	9.0	9.2	8.8	8.9	8.2			7.2	7.3	7.5	8.9	9.3	10.2	9.8	8.8	6.0	7.9	6.3	7.5	7.6	22	10.2	6.0	8.3
3/14/08	6.2	4.8	2.4	8.1	6.8	5.5	6.4	5.7	5.7	7.4	6.0	6.0	5.9	5.6	5.2	5.5	5.7	5.0	3.5	1.8	1.0	0.8	1.4	2.4	24	8.1	0.8	4.8
3/15/08	4.0	5.0	4.5	4.8	4.7	5.7	6.4	4.9	4.2	4.7	4.1	3.4	3.3	2.7	3.0	3.0	3.5	4.8	5.7	7.7	9.2	9.1	8.7	7.6	24	9.2	2.7	5.2
3/16/08	8.1	7.2	6.8	6.8	9.4	9.4	9.6	10.3	8.1	8.5	9.8	9.0	9.9	9.5	9.4	9.1	8.3	9.5	8.5	9.2	10.0	12.7	8.9	6.6	24	12.7	6.6	8.9
3/17/08	10.7	10.4	9.8	8.1	8.6	6.2	6.8	5.5	6.0	6.2	4.9	2.8	2.1	2.7	2.5	2.7	1.9	2.1	4.2	7.1	5.9	4.6	6.9	9.0	24	10.7	1.9	5.7
3/18/08	9.1	8.5	8.4	7.7	8.9	8.4	8.9	9.5	8.4	5.6	4.6	5.1	4.6	5.0	4.6	4.2	8.1	4.6	6.4	3.1	3.0	3.9	5.0	6.8	24	9.5	3.0	6.4
3/19/08	8.3	8.6	8.6	5.5	8.3	5.1	4.7	3.8	3.0	2.6	3.9	4.2	4.6	4.4	4.2	8.6	11.0	9.0	8.9	7.9	7.4	6.8	6.6	6.2	24	11.0	2.6	6.3
3/20/08	5.5	6.5	8.1	6.2	6.1	5.5	5.2	5.2	5.5	6.0	6.3	7.8	9.2	9.3	10.2	10.4	9.8	8.6	7.4	8.7	7.7	6.9	5.4	5.2	24	10.4	5.2	7.2
3/21/08	6.6	7.4	5.6	3.5	4.8	6.0	5.5	4.0	4.7	6.7	6.1	5.1	4.5	4.1	3.6	4.8	5.3	6.5	3.9	1.6	1.1	2.0	5.3	7.3	24	7.4	1.1	4.8
3/22/08	7.3	7.2	9.2	10.6	9.1	9.8	9.8	9.8	9.6	9.8	10.3	8.9	7.7	8.2	7.4	6.8	5.7	5.2	4.9	4.0	3.8	3.0	4.8	6.0	24	10.6	3.0	7.5
3/23/08	5.4	6.7	7.4	7.1	6.8	5.8	5.1	4.5	4.3	4.7	3.4	2.5	1.9	1.8	2.3	2.9	4.4	5.6	6.6	9.1	10.5	10.4	10.2	8.5	24	10.5	1.8	5.7
3/24/08	8.1	7.6	8.0	8.5	8.6	8.3	11.4	12.9	15.7	15.3	13.1	11.9	11.1	9.3	9.4	8.7	6.8	8.3	10.4	9.7	10.2	11.0	11.1	12.7	24	15.7	6.8	10.3
3/25/08	13.3	12.2	11.8	12.9	13.8	13.2	13.3	13.1	15.5	15.5	13.7	11.8	10.6	9.4	8.3	6.8	4.7	3.6	1.3	1.6	3.5	4.3	2.8	5.5	24	15.5	1.3	9.3
3/26/08	6.0	6.6	5.7	5.0	5.0	3.6	1.7	0.9	2.3	3.0	4.1	4.3	5.9	6.6	8.0	8.0	8.4	8.1	7.2	7.1	7.8	8.6	8.1	9.2	24	9.2	0.9	5.9
3/27/08	7.4	6.6	6.6	6.0	4.6	6.1	5.9	5.5	3.8	2.4	2.5	3.8	4.6	3.6	3.0	2.9	2.7	3.2	4.5	4.3	3.3	4.3	4.6	5.6	24	7.4	2.4	4.5
3/28/08	5.2	5.2	7.3	8.5	9.5	8.5	7.3	6.5	7.3	8.9	8.2	6.7	7.7	7.5	7.3	7.1	7.9	8.6	7.9	6.7	6.6	6.5	6.4	7.1	24	9.5	5.2	7.4
3/29/08	9.9	10.6	13.6	14.2	13.6	14.5	14.7	14.6	12.5	11.2	12.7	10.0	11.1	12.9	10.6	10.7	11.7	9.5	6.4	10.5	9.1	8.6	7.0	8.2	24	14.7	6.4	11.2
3/30/08	10.7	10.5	10.1	9.2	9.9	10.5	10.0	10.3	9.0	9.6	7.7	5.9	4.6	4.2	3.3	2.8	2.4	2.6	3.6	5.1	5.6	5.5	3.2	2.9	24	10.7	2.4	6.6
3/31/08	3.6	2.4	3.6	4.6	5.3	7.5	7.3	7.8	7.5	8.4	8.5	8.8	9.1	11.0	11.1	11.0	9.5	8.5	6.9	6.5	6.2	8.6	8.0	6.7	24	11.1	2.4	7.4
hr max	14.3	12.7	13.6	14.2	13.8	14.5	15.4	19.4	18.3	18.0	16.8	16.6	16.3	17.2	16.9	16.4	15.1	15.0	12.9	14.2	12.9	13.1	12.8	13.5				
hr min	3.3	2.4	2.4	2.4	2.9	3.5	1.7	0.9	2.3	2.4	2.5	2.5	1.9	1.8	2.3	2.7	1.9	2.1	1.3	1.6	1.0	0.8	1.4	2.4				
average	7.8	7.6	7.6	7.8	8.3	8.4	8.2	8.0	7.7	7.6	7.3	7.0	7.2	7.4	7.3	7.4	7.4	7.1	6.8	6.9	7.2	7.4	7.2	7.4				

monthly max hr	monthly min hr	monthly ave hr
19.4	0.8	7.5
3/2/08	3/14/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
mps
100WS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
3/1/08	15.0	14.8	11.9	11.7	12.3	11.5	9.2	11.0	8.9	6.8	4.5	4.4	6.2	8.1	7.8	8.9	8.9	11.7	15.3	16.7	15.5	15.7	14.5	8.6	24	16.70	4.40	10.83
3/2/08	3.6	5.8	6.5	8.8	13.2	16.4	17.0	21.2	20.1	19.5	18.2	18.1	17.6	18.3	18.2	17.5	16.4	16.4	14.4	11.4	12.0	12.3	13.1	13.5	24	21.2	3.6	14.6
3/3/08	13.9	12.7	11.1	11.7	12.9	9.2	7.4	7.1	6.2	5.0	4.2	4.6	5.2	4.9	4.8	5.5	6.4	7.8	10.1	9.4	12.7	15.7	10.1	9.1	24	15.7	4.2	8.7
3/4/08	9.1	9.3	12.5	13.7	12.5	12.6	13.0	10.8	10.7	8.9	6.4	6.7	6.7	7.4	7.4	9.2	10.6	10.5	12.7	11.5	12.7	13.4	14.2	14.7	24	14.7	6.4	10.7
3/5/08	15.7	13.7	11.8	13.5	13.2	12.6	11.2	9.5	10.1	11.9	9.9	9.7	8.2	8.6	7.6	6.1	6.5	5.5	6.7	8.8	12.6	14.4	11.2	9.4	24	15.7	5.5	10.4
3/6/08	6.7	4.9	5.6	9.5	12.3	13.0	12.2	9.1	7.5	7.2	9.4	8.9	8.0	7.4	7.7	7.9	7.9	7.4	6.7	5.8	4.4	4.2	3.7	3.3	24	13.0	3.3	7.5
3/7/08	2.5	3.8	5.4	6.3	6.7	7.6	6.9	6.3	6.2	5.0	6.2	6.6	6.8	7.8	8.4	8.9	10.4	11.0	10.9	8.8	9.3	13.7	15.2	13.8	24	15.2	2.5	8.1
3/8/08	15.0	14.2	13.1	11.8	11.0	12.2	13.1	11.5	11.0	11.3	12.2	12.7	11.9	12.2	11.2	11.9	11.7	9.8	8.0	8.7	7.7	5.1	5.4	5.2	24	15.0	5.1	10.7
3/9/08	4.4	4.1	4.7	2.7	3.5	3.5	3.7	4.0	3.1	3.2	3.7	4.2	4.6	4.8	5.3	4.6	4.6	4.4	2.9	2.2	2.5	2.4	3.2	5.6	24	5.6	2.2	3.8
3/10/08	8.6	10.3	10.7	10.2	9.7	10.3	11.3	10.3	8.4	6.9	5.6	7.1	8.8	8.1	7.9	7.8	7.4	6.9	7.1	9.0	10.5	9.6	11.9	12.7	24	12.7	5.6	9.0
3/11/08	10.7	8.7	10.5	9.5	7.5	7.4	6.7	5.7	4.9	4.1	2.7	2.6	4.7	6.0	5.8	4.9	3.2	3.9	2.7	3.3	7.2	4.6	6.1	6.9	24	10.7	2.6	5.8
3/12/08	7.0	7.2	4.0	2.9	4.0	12.6	15.0	13.0	11.6	11.7	12.0	11.1	13.6	16.4	16.2	14.8	14.1	12.2	11.2	11.3	11.3	12.5	12.4	11.6	24	16.4	2.9	11.2
3/13/08	8.9	9.3	9.7	10.4	10.3	9.8	10.4	10.3	9.5			7.4	7.5	7.9	9.2	9.7	10.7	10.3	10.0	7.4	8.3	8.6	10.5	10.5	22	10.7	7.4	9.4
3/14/08	8.5	7.0	4.6	9.7	8.7	7.7	7.3	7.6	6.9	7.8	6.3	6.3	6.2	5.9	5.5	5.8	6.1	5.3	3.5	1.9	1.6	1.5	2.3	3.1	24	9.7	1.5	5.7
3/15/08	5.4	9.4	8.4	8.0	7.2	7.5	8.6	7.8	5.6	4.7	4.2	3.5	3.2	2.8	3.1	3.1	3.6	4.9	6.4	7.8	9.1	9.5	10.1	10.2	24	10.2	2.8	6.4
3/16/08	10.0	9.8	9.2	9.6	10.5	9.6	9.6	10.1	7.8	7.4	8.7	8.1	9.4	8.7	8.9	9.5	7.9	9.9	10.0	10.4	11.7	14.2	9.2	7.7	24	14.2	7.4	9.5
3/17/08	12.3	11.5	11.1	9.4	10.1	7.4	9.0	8.4	7.1	6.4	5.0	2.8	2.2	2.7	2.3	2.6	1.9	2.1	3.6	5.4	5.0	4.4	8.6	10.1	24	12.3	1.9	6.3
3/18/08	9.5	10.3	9.5	9.7	10.6	9.7	9.6	11.8	10.4	6.1	4.9	5.4	4.9	5.3	4.7	4.3	8.4	4.6	7.0	3.7	3.0	3.6	5.1	6.0	24	11.8	3.0	7.0
3/19/08	8.1	8.5	7.4	5.6	8.4	4.9	5.0	6.7	4.5	2.6	3.9	4.2	4.6	4.6	4.4	9.1	11.5	9.4	9.5	8.9	8.5	8.2	8.3	7.8	24	11.5	2.6	6.9
3/20/08	6.8	8.0	9.1	6.7	6.2	6.0	5.7	5.7	6.0	6.0	6.5	8.5	9.6	10.5	11:8	11.3	10.8	10.6	9.4	10.0	7.9	8.3	5.4	5.6	24	11.8	5.4	8.0
3/21/08	7.3	8.1	6.9	4.4	4.5	6.9	5.7	4.7	5.2	6.5	5.6	4.2	3.5	1.7	0.2	3.2	5.4	6.8	4.2	1.7	0.4	0.1	0.1	4.9	24	8.1	0.1	4.3
3/22/08	8.8	10.0	11.0	11.8	10.2	10.8	11.1	10.8	10.5	10.5	11.0	9.6	8.1	8.6	7.8	7.1	6.0	5.5	5.2	4.8	4.9	3.5	5.9	7.6	24	11.8	3.5	8.4
3/23/08	6.2	8.0	8.5	7.1	7.1	6.5	6.5	6.8	5.1	4.8	3.6	2.5	2.0	1.8	2.4	2.9	4.1	5.6	7.2	9.8	11.9	11.4	9.5	9.9	24	11.9	1.8	6.3
3/24/08	13.2	12.7	13.3	13.4	11.4	11.1	15.4	15.7	16.9	15.8	13.4	12.1	11.3	9.4	9.6	8.9	6.9	9.1	12.4	12.1	12.2	12.8	13.0	15.2	24	16.9	6.9	12.4
3/25/08	15.9	14.7	15.2	15.9	16.8	16.0	16.1	15.3	16.4	16.1	14.2	12.2	11.0	9.6	8.7	6.9	4.8	3.8	1.4	1.7	3.3	3.1	4.2	7.7	24	16.8	1.4	10.5
3/26/08	7.2	7.3	6.4	5.9	6.0	3.8	0.8	1.1	3.0	3.1	4.0	4.4	6.1	6.9	8.3	8.4	8.8	8.8	8.4	8.4	9.5	10.6	10.0	11.1	24	11.1	0.8	6.6
3/27/08	9.1	8.2	8.2	7.6	6.0	7.7	7.5	7.0	5.8	3.1	2.6	3.9	4.7	3.6	3.0	2.8	2.7	3.8	6.3	5.2	4.1	5.5	6.1	5.1	24	9.1	2.6	5.4
3/28/08	4.5	5.1	7.4	8.9	10.0	10.2	10.0	7.1	9.4	9.7	8.0	6.5	8.3	7.7	7.9	7.5	8.4	9.6	9.4	10.1	10.4	12.4	10.4	8.6	24	12.4	4.5	8.6
3/29/08	9.8	10.3	14.1	16.0	14.6	15.5	13.6	13.7	12.1	12.6	13.6	11.0	11.7	12.2	13.6	12.8	14.0	12.5	10.0	12.7	11.4	10.6	9.5	11.5	24	16.0	9.5	12.5
3/30/08	14.1	12.9	12.6	11.6	12.1	12.0	11.9	11.9	9.6	10.0	7.9	6.2	4.7	4.5	3.4	3.0	2.6	2.8	3.7	5.1	5.4	5.4	3.1	3.0	24	14.1	2.6	7.5
3/31/08	3.9	3.1	3.8	5.3	7.2	9.0	9.5	10.1	9.7	9.5	8.1	8.9	9.5	11.2	11.7	11.4	10.0	9.1	7.7	7.6	8.0	10.3	9.4	8.4	24	11.7	3.1	8.4
hr max	15.9	14.8	15.2	16.0	16.8	16.4	17.0	21.2	20.1	19.5	18.2	18.1	17.6	18.3	18.2	17.5	16.4	16.4	15.3	16.7	15.5	15.7	15.2	15.2				
hr min	2.5	3.1	3.8	2.7	3.5	3.5	0.8	1.1	3.0	2.6	2.6	2.5	2.0	1.7	0.2	2.6	1.9	2.1	1.4	1.7	0.4	0.1	0.1	3.0				
average	9.1	9.2	9.2	9.3	9.6	9.7	9.7	9.4	8.7	8.1	7.6	7.2	7.4	7.6	7.6	7.7	7.8	7.8	7.9	7.8	8.2	8.6	8.4	8.7				

monthly	monthly	monthly
max hr	min hr	ave hr
21.2	0.1	8.4
3/2/08	3/21/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
Deg
10mWD

data channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count
3/1/08	140	137	117	114	120	133	111	117	127	131	149	162	152	151	142	130	130	124	129	133	137	146	155	147	24
3/2/08	293	349	15	340	339	344	337	336	339	344	349	348	344	340	341	341	344	348	347	345	343	347	341	343	24
3/3/08	344	339	337	333	334	339	330	327	324	319	308	275	262	265	242	221	206	193	184	173	168	171	172	166	24
3/4/08	162	170	175	176	185	189	189	195	201	217	239	277	285	311	334	354	352	356	352	358	356	350	351	347	24
3/5/08	351	353	350	337	336	341	341	332	339	335	330	319	317	320	319	318	303	275	227	239	292	341	346	339	24
3/6/08	309	275	234	226	223	234	244	275	300	341	5	21	15	19	10	24	24	27	34	37	46	103	123	139	24
3/7/08	167	193	209	217	219	224	225	216	216	215	210	212	205	208	205	192	182	183	182	172	173	178	183	185	24
3/8/08	189	194	207	215	242	282	304	307	308	333	337	335	342	343	340	343	341	351	356	348	10	28	334	328	24
3/9/08	318	321	350	34	68	46	39	39	24	15	19	16	343	341	344	330	321	319	4	97	124	145	166	171	24
3/10/08	192	210	217	222	224	221	226	224	234	231	233	234	236	233	227	238	239	241	206	193	194	195	206	227	24
3/11/08	270	279	294	301	299	291	279	273	267	264	259	266	227	229	241	241	220	183	137	129	149	154	149	166	24
3/12/08	164	201	177	167	199	282	326	324	316	299	294	296	297	297	303	302	313	316	299	299	278	273	270	291	24
3/13/08	281	269	270	263	250	254	248	248	251			291	294	301	295	318	328	321	326	334	344	343	5	1	22
3/14/08	357	18	270	348	310	284	310	336	354	0	1	354	354	359	358	1	8	10	38	93	155	199	19	346	24
3/15/08	23	24	41	27	19	23	27	47	53	56	62	70	65	50	60	74	92	95	90	101	111	114	113	111	24
3/16/08	108	101	99	108	131	132	146	156	157	160	156	160	157	161	165	172	161	146	137	144	144	152	157	171	24
3/17/08	181	185	186	191	186	197	179	174	180	188	190	199	151	163	149	204	173	150	150	155	163	162	175	205	24
3/18/08	223	225	223	288	304	298	289	294	306	330	339	349	340	336	296	286	283	301	329	313	19	87	101	115	24
3/19/08	120	138	153	158	167	166	159	165	171	142	125	174	210	263	321	313	310	12	35	55	55	57	67	66	24
3/20/08	58	65	77	81	73	71	81	90	90	89	92	89	105	97	89	87	77	66	50	42	43	50	36	20	24
3/21/08	355	356	20	352	327	313	326	327	323	326	316	307	309	319	334	335	348	356	8	49	195	273	257	250	24
3/22/08	271	306	318	340	358	354	351	359	355	356	6	2	0	355	358	354	353	345	3	346	352	342	334	9	24
3/23/08	347	351	344	342	337	342	348	352	22	22	10	31	100	93	110	138	157	136	135	141	148	152	158	165	24
3/24/08	176	174	175	175	170	170	180	181	188	189	199	201	197	204	208	221	253	293	332	323	313	318	323	316	24
3/25/08	321	308	296	294	287	292	288	295	306	315	325	333	332	320	326	320	334	306	260	202	191	177	255	326	24
3/26/08	324	316	316	330	333	291	244	242	195	161	136	113	101	96	97	110	127	112	88	80	87	101	97	111	24
3/27/08	107	101	108	100	94	120	136	144	137	76	49	92	86	93	103	119	121	137	116	167	176	171	177	181	24
3/28/08	172	168	142	141	133	119	136	148	145	149	157	167	184	194	183	187	185	192	187	175	165	169	169	162	24
3/29/08	154	159	151	148	150	152	157	158	162	167	166	167	165	159	171	168	173	179	172	292	327	318	290	272	24
3/30/08	271	278	294	292	308	318	317	323	329	327	326	324	331	343	33	63	80	91	114	123	125	142	169	154	24
3/31/08	140	65	21	41	52	52	57	59	59	53	45	39	32	37	33	36	31	28	16	5	9	22	26	360	24

Validated by:	Roger L Thompson	Date: 4/3/08
Analyst:	Denise Hazelman	Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
Deg
50mWD

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count
3/1/08	143	141	123	120	124	135	121	121	128	133	149	162	152	151	142	131	131	126	130	133	137	145	153	150	24
3/2/08	270	339	6	334	335	339	333	333	335	341	346	345	340	337	336	337	340	345	344	341	340	343	337	339	24
3/3/08	339	336	333	330	331	335	329	325	321	315	304	271	259	262	239	218	205	193	184	174	167	169	169	165	24
3/4/08	162	168	172	174	183	187	189	193	200	217	239	275	282	308	330	350	349	353	350	356	353	347	347	343	24
3/5/08	348	349	347	334	333	337	336	329	337	332	327	317	315	317	316	315	300	273	239	253	291	339	345	342	24
3/6/08	328	296	251	240	240	244	247	276	301	338	3	20	15	16	9	22	23	25	34	46	56	82	100	121	24
3/7/08	145	169	188	204	213	229	232	221	218	213	209	209	205	207	204	191	182	182	181	172	171	176	181	184	24
3/8/08	188	191	203	215	249	293	309	311	310	330	333	332	338	340	337	339	338	347	351	345	10	29	360	348	24
3/9/08	334	328	348	34	65	46	39	37	19	14	18	12	340	339	340	326	316	317	360	66	102	142	164	161	24
3/10/08	194	211	217	232	240	245	243	240	242	238	233	232	233	231	224	235	236	240	217	201	194	204	237	255	24
3/11/08	288	291	304	311	316	314	310	311	296	265	259	256	225	226	238	238	227	213	215	128	144	157	166	185	24
3/12/08	209	219	188	172	193	284	326	322	315	299	292	294	294	294	301	300	311	314	304	304	290	281	282	301	24
3/13/08	298	289	285	271	268	269	267	265	255			290	294	299	295	316	326	319	325	331	3	4	10	10	22
3/14/08	15	19	3	356	338	320	323	342	354	1	360	354	353	357	358	0	8	10	38	63	50	28	21	360	24
3/15/08	25	58	61	57	55	52	52	61	60	57	64	66	66	54	62	74	91	97	93	98	108	112	112	113	24
3/16/08	111	111	110	123	144	144	152	159	159	161	158	162	158	162	166	173	163	148	141	147	148	154	158	173	24
3/17/08	183	187	188	192	187	198	181	176	182	189	192	198	163	158	154	206	183	158	154	158	165	171	180	209	24
3/18/08	219	238	253	306	328	324	307	300	309	331	340	349	340	333	298	285	285	297	336	352	43	79	93	111	24
3/19/08	121	141	156	169	183	173	174	171	176	142	125	173	210	262	317	311	310	15	38	60	61	63	73	69	24
3/20/08	62	68	85	91	80	77	91	94	93	93	95	92	94												13
3/21/08	13	358	21	359	335	319	324	325	321	325	315	305	307	316	330	332	348	355	7	39	176	271	274	265	24
3/22/08	298	312	357	16	10	20	23	351	19	9	276	336	353	12	3	11	7	19	325	10	4	20	356	309	24
3/23/08	305	312	18	21	27	19	19	341																	8
3/24/08																223	254	293	331	322	314	319	339	354	9
3/25/08	321	318																							2
3/26/08																									0
3/27/08																									0
3/28/08																									0
3/29/08											173	170	170	163	177	171	175	182	176	290	325	316	294	284	14
3/30/08	280	283	298	295	308	318	318	323	329	349	16	15	1	343	33	63	86	91	115	120	123	147	169	159	24
3/31/08	139	82	37	45	56	55	60	20																	8

Validated by:	Roger L Thompson	Date:	4/3/08
Analyst:	Denise Hazelman	Date:	4/3/08

valid hours	580
possible hours	744
data capture	78.0%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
Deg
100WD

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count
3/1/08	152	153	141	135	138	151	137	136	138	142	159	169	157	156	149	138	138	134	137	140	145	153	162	163	24
3/2/08	246	333	360	338	341	345	339	338	342	347	351	351	345	342	342	343	346	350	350	347	347	350	343	344	24
3/3/08	345	342	339	335	337	340	335	333	327	321	308	278	267	268	246	225	212	198	193	184	182	184	179	175	24
3/4/08	173	178	184	186	194	195	199	215	220	237	252	285	288	314	336	356	355	1	359	5	0	354	353	349	24
3/5/08	355	356	353	340	338	343	341	335	344	339	332	323	320	321	322	320	306	280	252	270	299	346	356	356	24
3/6/08	348	315	269	253	251	256	260	287	314	345	9	26	21	22	16	28	30	32	40	51	58	85	105	132	24
3/7/08	162	190	209	216	230	244	247	242	236	221	217	216	213	215	210	198	190	189	189	180	179	183	190	192	24
3/8/08	195	194	208	233	278	316	326	324	321	336	340	337	344	346	343	345	344	354	360	353	17	26	12	6	24
3/9/08	346	340	354	40	74	54	47	40	21	24	22	15	346	345	346	331	322	324	2	67	105	155	178	184	24
3/10/08	215	223	230	245	251	252	253	255	252	259	246	240	240	238	232	243	243	248	229	212	207	228	253	270	24
3/11/08	303	305	319	333	341	343	345	341	323	290	272	258	233	234	242	243	241	240	281	150	154	180	195	206	24
3/12/08	231	234	200	182	200	295	337	331	323	310	300	301	300	300	307	306	318	320	314	314	300	297	298	314	24
3/13/08	323	309	294	288	288	288	288	287	276			295	299	303	299	319	330	323	329	334	11	10	17	16	22
3/14/08	19	20	7	5	351	340	344	360	1	6	5	359	358	1	2	5	13	14	39	46	15	8	21	11	24
3/15/08	41	67	67	66	63	63	67	72	69	62	72	71	71	62	70	84	96	104	101	106	116	119	120	122	24
3/16/08	124	128	139	149	158	165	169	173	170	167	164	166	163	167	171	177	168	154	148	152	154	158	163	178	24
3/17/08	188	193	193	196	192	203	189	186	190	193	198	200	174	164	167	210	187	169	161	165	170	177	191	210	24
3/18/08	224	240	272	327	346	338	322	315	325	341	345	354	342	334	303	290	287	297	342	6	41	90	115	129	24
3/19/08	134	146	163	178	188	178	175	189	190	145	130	176	215	267	319	315	315	20	44	63	63	67	77	75	24
3/20/08	70	75	85	89	85	83	95	100	101	102	104	100	115	110	99	98	88	78	65	60	58	64	53	35	24
3/21/08	1	2	25	11	356	329	328	330	326	328	318	309	309	317	331	335	351	359	12	47	173	277	284	289	24
3/22/08	319	324	326	344	3	359	355	3	360	2	10	7	5	359	1	358	355	348	9	8	4	357	13	26	24
3/23/08	16	14	15	14	7	12	11	23	30	31	13	31	102	105	125	149	163	148	151	158	158	164	174	177	24
3/24/08	182	182	183	182	178	178	186	187	193	195	202	206	203	211	215	228	258	298	334	326	320	325	328	321	24
3/25/08	324	313	304	300	295	298	296	300	309	319	327	336	334	323	327	322	333	309	270	237	229	210	337	0	24
3/26/08	338	334	342	356	9	359	312	93	149	158	143	121	107	103	104	113	131	117	98	92	97	109	108	118	24
3/27/08	115	111	117	111	110	127	136	142	138	93	65	90	91	99	108	129	123	142	133	162	171	169	182	179	24
3/28/08	174	172	161	154	144	143	153	165	156	157	163	174	191	200	189	193	192	197	196	190	183	188	182	176	24
3/29/08	170	173	164	160	162	161	166	166	170	174	172	173	173	169	179	177	180	186	183	295	328	319	301	293	24
3/30/08	287	289	304	303	314	322	322	326	332	330	329	329	336	350	34	69	88	96	120	125	128	148	170	159	24
3/31/08	142	98	56	58	65	63	67	67	67	62	54	46	40	45	40	43	38	32	23	13	22	29	32	12	24

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
Deg
10sigT

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
3/1/08	6.8	7.0	8.3	8.1	7.4	7.0	9.7	7.4	7.1	7.9	10.7	11.2	9.4	8.4	9.2	8.0	8.0	6.9	6.8	6.6	6.9	7.2	6.7	10.0	24	11.2	6.6	8.0
3/2/08	47.6	11.9	35.4	8.2	5.9	5.4	5.4	5.4	5.6	5.5	5.4	5.7	6.0	6.2	6.1	6.2	6.2	5.7	5.7	5.6	5.6	5.8	6.0	6.0	24	47.6	5.4	9.1
3/3/08	5.8	5.7	5.3	5.9	5.0	6.4	5.7	6.6	7.3	9.8	14.1	14.3	15.7	19.0	16.0	10.4	11.6	8.6	5.9	5.1	6.0	5.7	6.1	6.4	24	19.0	5.0	8.7
3/4/08	6.6	6.3	5.8	5.7	6.8	7.0	6.7	7.2	7.1	6.1	8.2	10.1	10.7	10.6	10.0	9.7	5.8	5.5	6.1	5.6	6.5	6.0	6.6	6.0	24	10.7	5.5	7.2
3/5/08	5.8	6.5	5.7	6.5	6.6	5.8	6.5	6.6	6.6	7.5	9.1	9.8	11.3	12.3	11.1	15.3	10.0	10.6	7.9	9.8	8.5	7.2	5.1	4.2	24	15.3	4.2	8.2
3/6/08	3.8	3.5	9.6	7.3	5.2	4.9	6.2	16.4	7.6	6.5	8.1	8.9	9.1	11.4	12.1	11.3	9.8	9.5	6.7	4.3	4.7	7.3	3.5	3.7	24	16.4	3.5	7.6
3/7/08	4.6	4.8	3.2	3.1	2.6	3.1	3.1	4.9	6.8	10.2	13.3	11.1	12.8	13.2	10.8	11.7	9.3	8.1	6.8	6.4	5.9	6.3	6.7	7.0	24	13.3	2.6	7.3
3/8/08	7.8	7.8	27.5	6.6	6.1	7.6	5.1	4.7	6.4	6.8	5.8	6.5	7.0	6.6	6.5	7.2	7.3	6.9	5.2	5.6	9.2	15.2	7.3	6.1	24	27.5	4.7	7.9
3/9/08	6.3	7.8	6.1	8.1	7.9	8.1	7.9	7.6	10.1	13.2	15.3	17.8	17.0	20.5	13.2	17.9	15.6	9.4	13.3	6.1	3.3	2.3	3.1	5.9	24	20.5	2.3	10.2
3/10/08	7.1	4.0	3.8	3.8	4.3	3.6	4.0	4.4	5.6	7.9	9.3	9.6	11.5	11.8	11.2	11.8	11.0	7.2	3.8	4.9	5.6	5.2	3.8	4.1	24	11.8	3.6	6.6
3/11/08	5.0	3.2	2.9	3.6	2.5	2.4	4.6	5.8	6.3	7.5	10.1	16.1	14.4	12.0	11.7	9.8	12.6	11.3	18.6	7.1	5.4	5.5	46.9	9.5	24	46.9	2.4	9.8
3/12/08	23.9	15.2	4.2	18.7	11.2	9.5	5.1	5.0	6.5	5.4	5.5	5.8	7.3	6.9	8.1	6.3	6.2	5.3	6.0	7.0	4.0	4.9	4.3	7.6	24	23.9	4.0	7.9
3/13/08	4.4	3.7	4.5	6.4	4.1	4.7	4.4	4.6	6.0			10.7	12.1	13.4	12.0	15.6	9.8	6.5	6.4	8.5	3.8	6.4	6.0	4.0	22	15.6	3.7	7.2
3/14/08	2.8	26.8	20.4	3.9	18.5	14.5	9.6	6.7	6.5	9.3	11.1	10.9	11.5	14.8	13.7	11.0	12.9	9.1	6.4	6.6	14.0	20.6	18.7	11.7	24	26.8	2.8	12.2
3/15/08	7.5	6.9	5.3	3.4	3.1	3.0	3.5	7.9	9.7	12.1	20.5	25.5	26.3	49.1	33.5	42.4	26.4	12.7	5.7	2.7	4.7	5.5	6.1	6.0	24	49.1	2.7	13.7
3/16/08	5.8	6.3	5.5	7.5	5.9	5.6	6.8	6.6	7.2	7.4	8.3	8.6	9.0	8.9	8.2	7.7	7.8	7.2	7.0	7.0	7.2	6.2	6.5	6.8	24	9.0	5.5	7.1
3/17/08	7.4	7.8	7.7	9.8	7.7	9.3	6.8	6.9	7.0	8.9	11.7	27.8	48.3	52.7	35.6	37.0	50.2	30.6	8.9	2.4	3.4	4.0	5.0	6.6	24	52.7	2.4	16.8
3/18/08	4.8	7.6	6.5	6.9	3.3	3.2	3.2	4.8	5.6	8.3	14.4	15.4	18.7	19.9	31.5	23.6	11.3	11.7	7.0	8.7	7.6	6.9	6.0	9.0	24	31.5	3.2	10.2
3/19/08	5.5	4.5	4.5	3.4	3.3	2.4	3.1	5.9	34.1	20.7	17.0	14.4	13.2	20.8	16.9	11.4	8.0	16.4	8.5	9.7	8.6	8.3	9.0	8.2	24	34.1	2.4	10.7
3/20/08	8.3	8.1	8.1	7.7	7.7	8.3	7.1	7.9	7.5	7.6	7.7	8.5	7.7	8.1	7.6	8.3	7.9	7.5	8.4	7.2	7.2	7.1	7.4	6.9	24	8.5	6.9	7.7
3/21/08	6.8	5.3	7.7	8.8	4.2	8.4	5.0	5.6	5.4	6.7	5.8	7.9	9.7	10.6	9.6	10.2	9.1	7.7	7.9	15.5	47.5	7.5	5.6	4.4	24	47.5	4.2	9.3
3/22/08	8.0	5.6	5.3	6.2	6.6	5.2	5.8	6.5	6.5	7.0	6.7	8.0	9.1	8.6	11.3	9.9	9.4	11.4	9.3	6.1	7.5	5.8	5.0	6.1	24	11.4	5.0	7.4
3/23/08	8.6	4.1	4.5	5.3	5.5	5.5	5.9	7.2	8.9	15.3	22.5	51.1	65.5	56.4	46.9	35.9	15.3	9.9	6.1	5.3	5.8	6.0	6.3	6.1	24	65.5	4.1	17.1
3/24/08	6.2	6.2	5.8	6.0	6.0	5.8	6.9	6.9	7.5	7.9	8.7	9.9	9.5	10.5	9.9	9.1	11.7	13.6	5.5	5.2	5.2	5.3	4.9	4.7	24	13.6	4.7	7.5
3/25/08	5.0	5.1	4.7	5.1	5.1	4.8	5.2	5.3	5.7	5.7	7.4	8.4	10.5	11.4	12.9	12.7	16.9	11.3	21.5	8.1	3.4	19.8	23.7	3.7	24	23.7	3.4	9.3
3/26/08	2.6	3.8	3.9	3.8	4.3	17.5	5.4	11.2	10.3	14.6	15.1	18.8	16.2	13.6	11.4	12.5	9.9	9.3	7.3	7.3	7.7	6.8	6.4	5.8	24	18.8	2.6	9.4
3/27/08	5.7	6.3	5.7	5.8	6.8	5.1	3.0	4.3	4.3	14.3	11.8	10.4	10.0	11.9	15.1	16.5	12.8	9.5	5.6	7.2	2.8	3.6	2.4	2.5	24	16.5	2.4	7.6
3/28/08	5.0	2.1	3.7	3.8	5.7	6.3	6.8	6.0	6.2	6.2	6.2	7.3	8.3	9.1	8.1	9.6	7.7	8.3	7.2	4.7	5.8	5.1	4.7	5.3	24	9.6	2.1	6.2
3/29/08	5.8	6.0	6.0	6.0	5.7	5.8	5.8	6.2	6.1	6.2	6.5	6.3	6.4	6.7	6.5	6.8	7.5	6.9	9.5	18.9	6.2	5.9	7.9	8.7	24	18.9	5.7	7.1
3/30/08	6.2	7.4	5.8	5.7	6.6	5.1	5.0	5.7	6.1	6.4	7.7	10.1	13.6	16.8	24.4	27.6	27.2	16.4	8.1	4.7	4.9	4.4	3.9	9.4	24	27.6	3.9	10.0
3/31/08	8.3	11.3	7.4	6.4	7.1	7.4	7.8	8.3	8.3	7.7	7.8	7.8	7.7	8.6	8.0	8.5	7.7	7.3	6.9	6.2	6.7	7.0	7.5	5.9	24	11.3	5.9	7.7
hr max	47.6	26.8	35.4	18.7	18.5	17.5	9.7	16.4	34.1	20.7	22.5	51.1	65.5	56.4	46.9	42.4	50.2	30.6	21.5	18.9	47.5	20.6	46.9	11.7				
hr min	2.6	2.1	2.9	3.1	2.5	2.4	3.0	4.3	4.3	5.4	5.4	5.7	6.0	6.2	6.1	6.2	5.8	5.3	3.8	2.4	2.8	2.3	2.4	2.5				
average	7.9	7.1	7.8	6.4	6.1	6.4	5.7	6.7	7.8	8.9	10.4	12.7	14.4	15.8	14.5	14.3	12.4	9.9	7.9	7.0	7.5	7.1	8.0	6.4				

monthly	monthly	monthly
max hr	*min hr*	*ave hr*
65.5	2.1	9.1
3/23/08	3/28/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
Deg
50sigT

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
3/1/08	4.5	4.7	5.1	5.4	4.4	3.9	4.6	4.3	5.1	4.9	7.5	7.2	6.2	6.5	6.3	5.9	5.9	4.2	4.1	3.7	4.2	4.7	3.9	6.0	24	7.5	3.7	5.1
3/2/08	40.0	7.3	12.9	6.9	4.4	3.9	3.7	3.7	3.9	4.0	4.1	4.4	4.7	4.4	4.3	4.4	4.6	7.6	6.2	4.2	4.1	4.0	4.3	4.5	24	40.0	3.7	6.5
3/3/08	4.5	4.5	3.9	4.2	3.5	4.9	4.0	5.2	6.0	7.7	11.5	11.7	12.1	13.8	12.7	8.5	8.8	6.6	2.9	2.0	2.4	2.6	3.3	4.2	24	13.8	2.0	6.3
3/4/08	3.5	3.7	3.1	2.9	3.1	3.5	3.4	3.5	4.2	3.3	6.4	8.6	9.0	9.3	8.2	8.0	4.0	4.3	3.8	4.4	4.9	4.2	4.5	4.3	24	9.3	2.9	4.9
3/5/08	4.2	4.3	3.8	4.6	4.5	4.2	4.5	5.1	4.5	5.4	6.9	8.0	9.3	10.1	9.6	12.7	9.7	8.6	4.8	7.9	7.9	5.9	3.5	2.0	24	12.7	2.0	6.3
3/6/08	2.8	4.2	6.9	1.9	1.7	1.1	2.4	12.1	7.3	4.7	6.5	6.2	7.9	9.2	10.9	9.7	7.8	6.8	5.0	2.1	2.3	2.4	3.0	3.0	24	12.1	1.1	5.3
3/7/08	3.2	2.5	3.7	2.3	2.1	2.4	1.0	2.6	4.4	6.8	10.0	8.4	9.5	10.1	9.6	9.7	6.7	6.0	4.8	3.9	3.7	3.7	3.9	5.0	24	10.1	1.0	5.3
3/8/08	5.4	5.4	21.8	2.9	4.6	5.9	3.6	3.7	5.1	5.6	4.4	4.9	5.5	4.4	5.0	5.1	5.3	4.5	3.3	4.0	9.6	4.8	3.1	5.5	24	21.8	2.9	5.6
3/9/08	5.2	5.1	4.1	6.5	4.4	5.1	5.6	4.5	8.4	10.8	13.4	12.2	14.4	16.2	10.0	14.8	11.6	8.0	8.8	7.0	5.1	2.5	2.4	2.4	24	16.2	2.4	7.9
3/10/08	3.6	1.0	1.1	1.6	1.2	0.6	0.8	0.6	2.2	5.7	7.0	7.5	8.7	9.6	8.5	10.0	9.4	5.1	2.9	2.5	1.9	3.1	2.2	2.6	24	10.0	0.6	4.1
3/11/08	2.6	2.1	2.1	1.6	1.2	2.1	2.8	2.4	7.7	8.2	8.6	12.5	10.8	10.1	9.3	7.7	10.0	9.9	27.8	11.0	2.0	1.4	4.1	5.5	24	27.8	1.2	6.8
3/12/08	8.8	11.0	4.7	3.7	6.9	9.2	3.4	3.4	5.0	4.8	5.0	5.2	6.8	6.4	7.2	5.5	5.0	3.8	4.2	5.9	2.3	2.3	2.2	5.6	24	11.0	2.2	5.3
3/13/08	2.2	2.7	2.2	5.6	2.9	2.1	3.3	2.0	5.1			8.9	10.3	11.7	10.1	14.8	9.5	5.4	4.7	6.8	2.6	3.2	3.5	2.7	22	14.8	2.0	5.6
3/14/08	1.5	2.2	14.3	1.7	5.7	5.9	7.0	4.0	4.9	8.1	9.7	9.1	10.2	13.4	12.1	9.6	11.1	7.4	4.3	4.3	11.5	21.2	8.3	3.0	24	21.2	1.5	7.9
3/15/08	4.8	2.1	2.0	2.5	2.3	1.5	1.7	3.0	6.8	8.9	14.2	19.3	20.5	40.8	27.4	29.3	17.0	9.8	2.5	1.8	0.9	1.2	1.7	2.7	24	40.8	0.9	9.4
3/16/08	2.2	3.1	2.8	3.7	1.6	1.6	3.4	3.4	4.8	5.1	5.4	6.3	7.0	7.1	5.8	6.0	5.5	5.7	4.6	4.9	4.6	3.5	4.1	4.8	24	7.1	1.6	4.5
3/17/08	5.0	5.6	5.3	7.4	5.7	6.1	4.3	4.5	5.5	6.2	9.1	17.1	25.8	39.9	35.2	30.2	47.3	29.8	7.8	1.7	1.4	3.1	2.7	4.0	24	47.3	1.4	12.9
3/18/08	2.2	4.6	5.3	4.1	2.4	2.1	2.3	2.5	4.3	6.3	10.9	11.8	17.0	17.8	27.1	19.5	9.9	10.4	5.2	7.4	6.3	3.5	2.5	3.5	24	27.1	2.1	7.9
3/19/08	3.0	3.2	1.9	1.8	2.5	1.8	1.5	2.9	21.6	20.5	15.0	13.6	11.4	16.9	15.1	9.9	6.8	16.4	5.7	6.8	5.9	5.7	5.9	5.7	24	21.6	1.5	8.4
3/20/08	5.2	4.7	6.0	4.1	4.5	5.0	4.1	4.2	4.3	4.2	4.5	5.8	17.0												13	17.0	4.1	5.7
3/21/08	30.2	13.1	5.5	6.5	3.0	4.3	3.5	4.1	4.9	5.2	4.4	6.3	8.5	8.5	9.9	9.1	8.1	6.2	7.6	10.9	19.2	7.6	3.4	3.8	24	30.2	3.0	8.1
3/22/08	3.7	4.5	12.3	4.2	40.5	27.4	6.3	41.4	27.3	33.6	43.4	31.4	38.0	29.4	33.8	30.4	31.0	17.6	26.2	31.2	15.7	18.7	24.9	1.3	24	43.4	1.3	23.9
3/23/08	7.2	14.3	23.7	21.1	0.5	21.2	22.0	29.0																	8	29.0	0.5	17.4
3/24/08																10.0	11.4	13.1	3.8	3.5	3.8	4.4	10.5	16.0	9	16.0	3.5	8.5
3/25/08	9.4	17.3																							2	17.3	9.4	13.4
3/26/08																									0			
3/27/08																									0			
3/28/08																									0			
3/29/08											17.2	4.7	7.3	5.3	11.6	4.5	5.5	5.1	6.4	16.5	4.3	5.4	5.7	6.0	14	17.2	4.3	7.5
3/30/08	4.8	6.7	5.3	4.7	5.1	4.3	4.3	4.9	4.9	5.2	1.7	2.2	13.3	12.2	18.9	23.9	24.4	13.1	4.8	1.8	1.1	3.0	2.1	6.8	24	24.4	1.1	7.5
3/31/08	6.8	7.4	3.4	3.1	4.5	5.2	5.2	30.8																	8	30.8	3.1	8.3
hr max	40.0	17.3	23.7	21.1	40.5	27.4	22.0	41.4	27.3	33.6	43.4	31.4	38.0	40.8	35.2	30.4	47.3	29.8	27.8	31.2	19.2	21.2	24.9	16.0				
hr min	1.5	1.0	1.1	1.6	0.5	0.6	0.8	0.6	2.2	3.3	1.7	2.2	4.7	4.4	4.3	4.4	4.0	3.8	2.5	1.7	0.9	1.2	1.7	1.3				
average	6.8	5.7	6.5	4.6	4.9	5.4	4.3	7.5	6.9	8.0	9.9	9.7	12.1	13.6	13.4	12.5	11.5	9.0	6.8	6.5	5.3	5.1	4.8	4.6				

monthly	monthly	monthly
max hr	min hr	ave hr
47.3	0.5	7.7
3/17/08	3/23/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	580
possible hours	744
data capture	78.0%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
Deg
100sT

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid hr count	daily max hr	daily min hr	daily ave hr
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
3/1/08	2.1	2.7	3.4	3.5	2.9	2.8	3.0	2.7	3.9	4.5	7.2	6.0	5.8	5.3	5.5	4.8	4.8	2.7	1.9	2.1	2.6	3.2	2.3	3.6	24	7.2	1.9	3.7
3/2/08	22.9	7.1	6.6	5.6	3.8	3.2	3.4	3.4	4.0	4.1	4.4	5.2	4.4	3.9	4.0	4.2	4.0	4.0	3.7	3.6	3.2	3.3	3.6	3.9	24	22.9	3.2	5.0
3/3/08	3.8	4.3	3.4	3.8	3.3	4.2	3.5	4.4	6.0	6.9	10.3	10.6	11.4	12.0	11.7	8.3	8.0	5.1	2.4	1.9	1.5	1.1	1.3	2.9	24	12.0	1.1	5.5
3/4/08	2.5	2.3	1.9	1.9	2.2	2.2	3.3	2.2	2.0	3.1	6.5	7.1	7.7	8.4	7.2	8.2	5.3	5.3	5.9	4.6	6.0	5.2	5.0	3.7	24	8.4	1.9	4.6
3/5/08	5.6	5.6	5.6	4.2	4.1	3.5	3.8	4.7	4.4	4.9	5.8	6.8	8.4	9.0	8.4	10.8	9.1	7.6	4.6	6.2	6.8	5.9	5.1	3.5	24	10.8	3.5	6.0
3/6/08	2.3	3.8	3.9	1.8	1.3	1.2	1.4	7.8	5.6	4.6	6.4	5.3	6.8	8.0	9.8	8.8	7.7	5.6	4.5	2.0	2.9	2.6	2.7	2.8	24	9.8	1.2	4.6
3/7/08	3.0	3.8	3.6	1.6	2.2	1.6	0.9	1.2	3.7	6.6	8.7	7.5	8.6	8.8	9.6	7.7	5.6	5.2	4.3	2.1	1.8	2.1	2.7	3.5	24	9.6	0.9	4.4
3/8/08	3.0	2.6	14.5	3.1	4.1	3.5	2.3	2.1	4.2	5.4	4.4	4.6	5.7	5.1	4.8	5.5	5.1	5.8	6.5	4.6	9.1	3.4	2.8	4.5	24	14.5	2.1	4.9
3/9/08	5.6	4.2	4.1	8.1	4.3	4.6	4.7	4.3	7.6	9.4	11.9	11.9	11.8	15.9	10.1	13.9	9.9	7.9	7.0	6.5	4.6	2.4	2.4	4.2	24	15.9	2.4	7.4
3/10/08	3.3	0.8	1.4	1.3	0.8	0.7	1.1	0.5	1.1	3.7	6.0	6.2	6.9	7.9	7.8	8.5	8.6	4.3	3.0	2.4	1.8	3.7	1.1	3.3	24	8.6	0.5	3.6
3/11/08	2.7	2.0	2.4	1.6	1.6	1.9	2.1	1.7	2.8	9.3	9.6	12.6	9.7	7.8	8.2	5.9	6.5	5.1	9.7	39.8	2.0	2.8	3.0	3.5	24	39.8	1.6	6.4
3/12/08	2.6	10.1	4.9	2.2	5.3	9.5	2.4	2.5	4.5	3.6	3.6	4.4	5.7	4.7	6.0	4.7	4.7	3.4	3.3	4.7	2.4	1.7	2.2	4.8	24	10.1	1.7	4.3
3/13/08	1.5	2.0	2.5	4.3	1.3	1.5	1.8	1.2	3.9			8.0	9.0	10.6	8.8	14.4	8.7	4.8	4.2	4.4	3.1	2.5	2.7	1.5	22	14.4	1.2	4.7
3/14/08	1.2	1.9	4.9	3.8	3.9	3.3	5.4	5.6	5.8	6.5	8.9	8.6	10.7	12.7	10.4	9.3	9.1	7.4	4.4	3.9	6.8	11.0	5.2	2.8	24	12.7	1.2	6.4
3/15/08	6.1	1.6	0.8	0.7	1.1	1.1	1.7	1.1	4.7	6.9	12.3	23.1	20.0	32.8	25.1	26.5	15.9	8.2	1.9	1.5	0.7	0.9	1.0	2.0	24	32.8	0.7	8.2
3/16/08	1.0	1.3	1.7	1.6	1.5	1.5	1.1	1.1	3.3	4.7	4.7	5.5	6.1	6.4	5.2	4.9	4.6	4.9	3.7	4.0	3.2	2.5	3.2	3.8	24	6.4	1.0	3.4
3/17/08	4.7	4.3	4.1	5.4	4.5	5.9	3.8	3.7	4.7	5.2	7.8	15.7	23.5	32.6	38.0	26.1	44.7	29.9	7.6	1.2	1.2	1.5	2.8	4.2	24	44.7	1.2	11.8
3/18/08	1.7	3.8	5.5	4.5	2.0	2.0	1.9	1.7	5.1	7.2	10.4	10.4	14.9	17.8	25.4	18.3	9.7	9.6	5.8	5.6	3.5	4.0	3.8	4.2	24	25.4	1.7	7.5
3/19/08	2.6	1.8	2.0	1.9	2.6	1.3	1.6	2.5	7.8	17.4	13.6	13.0	11.3	14.4	14.5	9.2	6.4	16.2	4.7	5.9	5.0	5.0	5.0	5.0	24	17.4	1.3	7.1
3/20/08	4.7	3.9	3.9	4.1	4.0	4.6	3.9	4.1	3.7	4.4	4.0	5.4	4.7	4.0	4.3	4.7	4.3	3.7	4.6	3.8	4.0	3.9	4.6	5.0	24	5.4	3.7	4.3
3/21/08	5.3	4.5	4.0	5.1	5.3	2.8	3.1	3.1	4.5	4.1	3.7	5.8	7.6	7.6	10.6	8.2	7.7	7.1	8.9	7.8	28.5	9.0	4.1	5.0	24	28.5	2.8	6.8
3/22/08	2.9	2.4	3.6	4.6	4.2	4.7	5.0	6.1	6.1	6.4	5.1	5.6	7.3	7.5	9.7	7.8	8.3	9.7	8.6	3.5	7.2	6.7	3.1	1.8	24	9.7	1.8	5.7
3/23/08	2.2	2.0	1.7	1.6	2.8	3.6	3.9	2.5	5.6	10.5	18.4	33.8	63.2	51.2	29.8	29.1	10.6	7.1	4.2	1.1	1.2	1.5	1.4	1.1	24	63.2	1.1	12.1
3/24/08	1.5	1.6	1.9	2.0	1.7	1.8	3.5	4.0	4.0	3.9	5.7	6.0	6.4	8.1	7.6	6.4	9.6	13.1	3.2	2.7	3.6	4.1	3.2	3.1	24	13.1	1.5	4.5
3/25/08	3.3	3.4	2.2	2.7	2.8	2.7	2.8	3.5	4.5	4.0	5.3	6.2	7.5	9.0	9.4	10.6	12.4	9.0	13.8	10.5	7.8	20.5	8.9	4.1	24	20.5	2.2	7.0
3/26/08	2.5	3.3	3.5	3.5	2.5	4.9	27.5	51.0	8.0	9.7	9.8	13.7	10.3	8.7	6.8	8.8	6.7	5.5	2.8	3.0	3.3	3.5	3.9	2.8	24	51.0	2.5	8.6
3/27/08	3.3	3.3	3.4	3.2	3.7	3.3	2.2	2.8	1.8	10.2	9.3	7.5	6.4	8.2	10.8	9.8	8.7	7.2	1.9	3.4	2.3	1.3	2.3	1.3	24	10.8	1.3	4.9
3/28/08	2.1	1.1	1.5	1.4	1.0	0.9	1.9	1.8	2.4	3.2	3.7	4.9	5.2	6.0	5.0	6.1	4.1	4.2	3.3	2.5	1.8	2.0	1.9	1.1	24	6.1	0.9	2.9
3/29/08	1.6	1.5	2.1	2.1	1.8	2.1	2.8	2.5	3.0	3.5	2.9	3.1	3.5	2.8	3.4	3.4	4.8	4.7	5.1	15.8	3.5	5.2	4.5	3.2	24	15.8	1.5	3.7
3/30/08	2.9	5.2	3.5	2.5	4.2	3.8	3.3	3.8	4.2	4.3	5.1	7.1	10.2	11.4	18.3	21.2	17.9	11.5	4.3	1.5	1.3	3.1	1.9	7.3	24	21.2	1.3	6.7
3/31/08	6.8	4.9	2.9	2.1	3.3	4.6	4.7	4.6	4.8	4.4	4.6	3.9	4.0	5.3	4.4	5.3	4.4	4.1	3.8	3.6	3.7	3.7	3.9	3.3	24	6.8	2.1	4.2
hr max	22.9	10.1	14.5	8.1	5.3	9.5	27.5	51.0	8.0	17.4	18.4	33.8	63.2	51.2	38.0	29.1	44.7	29.9	13.8	39.8	28.5	20.5	8.9	7.3				
hr min	1.0	0.8	0.8	0.7	0.8	0.7	0.9	0.5	1.1	3.1	2.9	3.1	3.5	2.8	3.4	3.4	4.0	2.7	1.9	1.1	0.7	0.9	1.0	1.1				
average	3.8	3.3	3.6	3.1	2.9	3.1	3.7	4.7	4.4	6.1	7.3	8.9	10.5	11.4	11.0	10.4	9.0	7.4	5.0	5.4	4.4	4.2	3.3	3.4				

monthly max hr	monthly min hr	monthly ave hr
63.2	0.5	5.8
3/23/08	3/10/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
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10VWS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
3/1/08	0.31	0.33	0.26	0.25	0.33	0.30	0.18	0.25	0.29	0.37	0.20	0.24	0.27	0.34	0.32	0.39	0.39	0.41	0.42	0.59	0.54	0.50	0.47	0.26	24	0.59	0.18	0.34
3/2/08	0.21	0.27	0.27	0.36	0.69	1.01	1.17	1.59	1.51	1.37	1.31	1.34	1.32	1.40	1.35	1.30	1.24	1.11	0.94	0.69	0.71	0.69	0.78	0.87	24	1.59	0.21	0.98
3/3/08	0.88	0.80	0.72	0.77	0.87	0.60	0.43	0.40	0.49	0.37	0.31	0.32	0.26	0.30	0.19	0.18	0.15	0.15	0.14	0.14	0.23	0.19	0.18	0.25	24	0.88	0.14	0.39
3/4/08	0.27	0.22	0.17	0.19	0.18	0.20	0.19	0.17	0.19	0.19	0.24	0.43	0.43	0.49	0.53	0.57	0.63	0.60	0.78	0.67	0.84	0.91	0.88	0.98	24	0.98	0.17	0.46
3/5/08	1.01	0.95	0.79	0.97	0.92	0.81	0.70	0.61	0.81	0.91	0.76	0.74	0.64	0.65	0.57	0.47	0.45	0.33	0.12	0.20	0.69	0.97	0.65	0.45	24	1.01	0.12	0.67
3/6/08	0.32	0.23	0.12	0.15	0.16	0.19	0.23	0.29	0.38	0.51	0.61	0.58	0.50	0.48	0.51	0.56	0.52	0.44	0.33	0.24	0.12	0.11	0.10	0.08	24	0.61	0.08	0.32
3/7/08	0.11	0.10	0.12	0.11	0.11	0.11	0.12	0.12	0.10	0.16	0.17	0.15	0.13	0.18	0.20	0.27	0.20	0.19	0.18	0.19	0.18	0.16	0.23	0.23	24	0.27	0.10	0.16
3/8/08	0.30	0.23	0.17	0.15	0.21	0.33	0.38	0.41	0.51	0.73	0.89	0.84	0.83	0.88	0.79	0.82	0.85	0.67	0.42	0.46	0.36	0.17	0.20	0.23	24	0.89	0.15	0.49
3/9/08	0.23	0.20	0.26	0.18	0.18	0.22	0.26	0.22	0.26	0.27	0.27	0.25	0.32	0.33	0.38	0.32	0.31	0.29	0.20	0.12	0.11	0.11	0.11	0.09	24	0.38	0.09	0.23
3/10/08	0.12	0.12	0.13	0.16	0.13	0.14	0.15	0.14	0.22	0.17	0.18	0.27	0.25	0.27	0.25	0.28	0.31	0.25	0.12	0.11	0.13	0.12	0.12	0.15	24	0.31	0.11	0.18
3/11/08	0.37	0.44	0.40	0.40	0.38	0.32	0.30	0.23	0.23	0.21	0.17	0.16	0.18	0.19	0.21	0.22	0.15	0.13	0.13	0.18	0.24	0.22	0.14	0.11	24	0.44	0.11	0.24
3/12/08	0.12	0.15	0.08	0.12	0.16	0.50	0.69	0.57	0.58	0.54	0.62	0.72	0.96	1.20	1.21	1.06	1.04	0.77	0.48	0.55	0.44	0.44	0.42	0.44	24	1.21	0.08	0.58
3/13/08	0.40	0.40	0.39	0.33	0.25	0.28	0.24	0.26	0.31			0.53	0.57	0.56	0.60	0.73	0.79	0.73	0.58	0.35	0.41	0.25	0.29	0.35	22	0.79	0.24	0.44
3/14/08	0.30	0.23	0.15	0.46	0.24	0.16	0.38	0.33	0.45	0.55	0.43	0.49	0.46	0.40	0.39	0.39	0.41	0.36	0.20	0.11	0.22	0.16	0.20	0.16	24	0.55	0.11	0.32
3/15/08	0.13	0.13	0.13	0.20	0.19	0.24	0.17	0.15	0.29	0.28	0.26	0.28	0.29	0.13	0.27	0.22	0.17	0.23	0.21	0.16	0.20	0.21	0.22	0.22	24	0.29	0.13	0.21
3/16/08	0.23	0.20	0.20	0.15	0.17	0.19	0.25	0.28	0.32	0.39	0.42	0.38	0.38	0.41	0.41	0.31	0.40	0.40	0.39	0.36	0.39	0.47	0.35	0.22	24	0.47	0.15	0.32
3/17/08	0.21	0.23	0.24	0.23	0.20	0.18	0.17	0.17	0.19	0.17	0.16	0.14	0.09	0.10	0.12	0.13	0.11	0.20	0.15	0.16	0.16	0.17	0.15	0.13	24	0.24	0.09	0.17
3/18/08	0.14	0.14	0.15	0.28	0.33	0.30	0.29	0.41	0.50	0.43	0.29	0.39	0.34	0.37	0.33	0.22	0.53	0.38	0.41	0.17	0.14	0.11	0.11	0.09	24	0.53	0.09	0.29
3/19/08	0.18	0.17	0.16	0.19	0.15	0.13	0.15	0.13	0.17	0.19	0.23	0.17	0.13	0.27	0.26	0.62	0.80	0.58	0.45	0.44	0.39	0.40	0.33	0.30	24	0.80	0.13	0.29
3/20/08	0.31	0.34	0.36	0.30	0.30	0.32	0.25	0.29	0.32	0.31	0.33	0.39	0.43	0.43	0.53	0.54	0.49	0.46	0.39	0.48	0.44	0.40	0.35	0.36	24	0.54	0.25	0.38
3/21/08	0.45	0.47	0.37	0.26	0.23	0.34	0.44	0.37	0.40	0.56	0.46	0.40	0.19	0.31	0.28	0.34	0.38	0.43	0.27	0.14	0.12	0.13	0.19	0.20	24	0.56	0.12	0.32
3/22/08	0.23	0.34	0.59	0.73	0.61	0.61	0.64	0.64	0.63	0.66	0.67	0.56	0.53	0.57	0.55	0.48	0.45	0.40	0.36	0.24	0.25	0.23	0.22	0.25	24	0.73	0.22	0.48
3/23/08	0.25	0.33	0.36	0.32	0.29	0.28	0.26	0.23	0.33	0.34	0.30	0.24	0.21	0.16	0.14	0.17	0.18	0.33	0.27	0.23	0.27	0.28	0.24	0.26	24	0.36	0.14	0.26
3/24/08	0.14	0.15	0.14	0.15	0.25	0.28	0.20	0.25	0.43	0.47	0.38	0.37	0.29	0.29	0.29	0.25	0.35	0.53	0.64	0.50	0.52	0.66	0.68	0.77	24	0.77	0.14	0.37
3/25/08	0.88	0.72	0.61	0.69	0.75	0.77	0.73	0.85	1.17	1.23	1.12	0.96	0.81	0.73	0.61	0.51	0.38	0.28	0.14	0.13	0.12	0.08	0.15	0.28	24	1.23	0.08	0.61
3/26/08	0.37	0.39	0.41	0.38	0.33	0.24	0.13	0.13	0.14	0.16	0.16	0.20	0.32	0.37	0.43	0.38	0.38	0.32	0.33	0.34	0.42	0.46	0.49	0.55	24	0.55	0.13	0.33
3/27/08	0.46	0.39	0.39	0.34	0.28	0.37	0.33	0.27	0.23	0.20	0.21	0.24	0.32	0.20	0.17	0.23	0.17	0.18	0.16	0.10	0.10	0.09	0.08	0.09	24	0.46	0.08	0.23
3/28/08	0.09	0.10	0.15	0.19	0.28	0.26	0.30	0.26	0.30	0.40	0.31	0.29	0.24	0.19	0.19	0.23	0.19	0.25	0.19	0.14	0.23	0.19	0.18	0.19	24	0.40	0.09	0.22
3/29/08	0.24	0.26	0.41	0.49	0.50	0.52	0.58	0.56	0.59	0.58	0.61	0.51	0.61	0.62	0.45	0.47	0.40	0.23	0.23	0.48	0.50	0.47	0.34	0.35	24	0.62	0.23	0.46
3/30/08	0.41	0.49	0.53	0.46	0.60	0.68	0.62	0.69	0.64	0.74	0.56	0.41	0.32	0.29	0.23	0.20	0.15	0.16	0.18	0.16	0.18	0.15	0.11	0.13	24	0.74	0.11	0.38
3/31/08	0.19	0.17	0.22	0.25	0.26	0.42	0.39	0.47	0.43	0.49	0.49	0.48	0.56	0.63	0.69	0.65	0.56	0.49	0.42	0.38	0.33	0.42	0.41	0.32	24	0.69	0.17	0.42
hr max	1.01	0.95	0.79	0.97	0.92	1.01	1.17	1.59	1.51	1.37	1.31	1.34	1.32	1.40	1.35	1.30	1.24	1.11	0.94	0.69	0.84	0.97	0.88	0.98				
hr min	0.09	0.10	0.08	0.11	0.11	0.11	0.12	0.12	0.10	0.16	0.16	0.14	0.09	0.10	0.12	0.13	0.11	0.13	0.12	0.10	0.10	0.08	0.08	0.08				
average	0.32	0.31	0.30	0.33	0.34	0.36	0.37	0.38	0.43	0.47	0.44	0.43	0.43	0.44	0.43	0.44	0.44	0.40	0.33	0.30	0.32	0.32	0.30	0.30				

monthly	monthly	monthly
max hr	min hr	ave hr
1.59	0.08	0.37
3/2/08	3/6/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
mps
50VWS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
3/1/08	0.09	0.09	-0.04	-0.03	-0.03	0.05	-0.02	-0.04	0.02	0.28	0.19	0.25	0.15	0.26	0.18	0.12	0.12	0.01	0.03	0.06	0.08	0.17	0.10	0.13	24	0.28	-0.04	0.09
3/2/08	0.08	0.01	0.02	0.02	0.04	0.02	0.03	0.04	0.05	0.03	-0.01	0.01	0.06	0.04	0.05	0.08	0.04	0.00	0.02	0.02	0.02	0.02	0.02	0.02	24	0.08	-0.01	0.03
3/3/08	0.03	0.02	0.02	0.03	0.02	0.03	0.02	0.03	0.05	0.11	0.19	0.22	0.21	0.18	0.20	0.12	0.11	0.05	0.03	0.02	0.02	0.02	0.02	0.05	24	0.22	0.02	0.08
3/4/08	0.04	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.03	0.16	0.22	0.09	0.09	-0.01	-0.01	-0.03	-0.01	-0.05	-0.03	0.00	0.01	0.02	24	0.22	-0.05	0.03
3/5/08	-0.02	0.00	-0.01	0.03	0.03	0.02	0.03	0.05	0.03	0.07	0.12	0.11	0.27	0.23	0.17	0.27	0.11	0.12	-0.01	0.08	0.07	0.02	0.01	0.03	24	0.27	-0.02	0.08
3/6/08	0.03	0.02	0.01	-0.04	-0.05	0.02	0.00	0.05	0.05	0.03	0.06	0.21	0.23	0.25	0.19	0.30	0.26	0.17	0.07	0.02	0.02	0.02	0.01	-0.04	24	0.30	-0.05	0.08
3/7/08	0.04	0.03	0.02	0.02	0.02	-0.02	0.02	0.02	0.03	0.18	0.27	0.17	0.29	0.20	0.20	0.19	0.09	0.09	0.06	0.04	0.02	0.04	0.04	0.05	24	0.29	-0.02	0.09
3/8/08	0.03	0.03	0.01	0.03	0.04	0.04	0.02	0.02	0.04	0.05	0.04	0.02	0.05	0.02	0.06	0.03	0.03	0.01	-0.02	0.01	-0.02	0.05	-0.02	0.00	24	0.06	-0.02	0.02
3/9/08	0.03	0.02	0.01	0.05	0.03	0.06	0.05	0.06	0.13	0.17	0.15	0.13	0.10	0.17	0.11	0.11	0.09	0.03	0.03	0.02	-0.01	0.06	0.02	0.02	24	0.17	-0.01	0.07
3/10/08	0.02	0.02	0.02	-0.02	-0.05	0.02	0.00	-0.07	-0.08	-0.02	0.11	0.18	0.07	0.25	0.18	0.15	0.16	0.02	0.02	0.02	0.02	0.02	0.02	0.06	24	0.25	-0.08	0.05
3/11/08	0.03	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.08	0.06	0.06	0.13	0.22	0.07	0.04	0.01	0.02	0.02	0.02	-0.04	0.02	0.03	0.03	24	0.22	-0.04	0.04
3/12/08	0.02	0.07	0.02	0.02	0.03	0.03	0.02	0.03	0.03	0.03	0.04	0.07	0.13	0.14	0.13	0.04	0.05	0.02	0.02	0.02	0.02	0.03	0.02	0.03	24	0.14	0.02	0.04
3/13/08	0.02	0.03	0.02	0.03	0.04	0.05	0.02	0.05	0.05			0.20	0.33	0.22	0.02	0.21	0.17	0.11	0.17	0.19	0.19	0.21	0.20	0.23	22	0.33	0.02	0.13
3/14/08	0.05	0.12	0.00	0.17	0.22	0.02	0.08	0.12	0.20	0.24	0.16	0.20	0.30	0.14	0.16	0.14	0.17	0.18	0.12	0.03	0.03	0.02	0.03	0.03	24	0.30	0.00	0.12
3/15/08	0.06	0.10	0.11	0.12	0.05	0.16	0.20	0.11	0.27	0.14	0.18	0.46	0.39	0.05	0.23	0.09	0.22	0.28	0.34	0.51	0.64	0.61	0.57	0.44	24	0.64	0.05	0.26
3/16/08	0.50	0.49	0.53	0.54	0.68	0.65	0.62	0.66	0.56	0.59	0.60	0.54	0.62	0.55	0.57	0.38	0.61	0.58	0.57	0.54	0.63	0.74	0.50	0.35	24	0.74	0.35	0.57
3/17/08	0.08	0.14	0.12	0.19	0.13	0.19	0.12	0.21	0.15	0.08	0.03	0.16	0.04	0.21	0.03	0.01	0.15	0.29	0.17	0.02	0.02	0.17	0.31	0.18	24	0.31	0.01	0.13
3/18/08	-0.02	0.26	0.28	0.03	0.07	0.08	0.01	0.08	0.07	0.09	0.02	0.07	-0.06	0.20	0.21	-0.02	0.02	0.12	0.08	0.04	0.04	0.02	0.02	0.25	24	0.28	-0.06	0.08
3/19/08	0.74	0.66	0.60	0.50	0.02	0.44	0.46	0.32	0.27	0.14	0.33	0.21	0.08	0.23	-0.06	0.16	0.12	0.28	0.33	0.38	0.33	0.35	0.35	0.36	24	0.74	-0.06	0.32
3/20/08	0.23	0.34	0.43	0.26	0.27	0.26	0.26	0.27	0.35	0.28	0.35	0.48	0.57	0.61	0.71	0.61	0.52	0.47	0.30	0.34	0.34	0.29	0.23	0.20	24	0.71	0.20	0.37
3/21/08	0.19	0.19	0.20	0.12	0.03	0.15	0.06	0.11	0.09	0.13	0.08	0.11	0.23	0.07	0.09	0.03	0.09	0.14	0.15	0.08	0.08	0.01	0.04	0.02	24	0.23	0.01	0.10
3/22/08	0.02	0.11	0.19	0.12	0.23	0.21	0.20	0.21	0.25	0.28	0.27	0.29	0.22	0.22	0.31	0.21	0.21	0.07	0.18	0.07	0.11	0.05	0.05	0.18	24	0.31	0.02	0.18
3/23/08	0.17	0.15	0.17	0.12	0.10	0.16	0.14	0.08	0.15	0.26	0.17	0.30	0.14	0.23	0.21	0.29	0.04	0.42	0.48	0.67	0.72	0.65	0.64	0.59	24	0.72	0.04	0.29
3/24/08	0.42	0.46	0.42	0.39	0.63	0.66	0.12	0.16	0.28	0.39	0.45	0.52	0.23	0.31	0.37	0.39	0.24	0.07	0.20	0.16	0.11	0.21	0.18	0.18	24	0.66	0.07	0.31
3/25/08	0.22	0.14	0.20	0.19	0.25	0.25	0.18	0.23	0.24	0.26	0.20	0.36	0.20	0.16	0.23	0.10	0.12	0.07	0.02	0.02	0.11	0.21	0.05	0.05	24	0.36	0.02	0.17
3/26/08	0.02	0.04	0.06	0.06	0.06	0.06	0.04	0.00	0.07	0.14	0.38	0.18	0.40	0.33	0.47	0.41	0.51	0.44	0.38	0.41	0.48	0.62	0.63	0.71	24	0.71	0.00	0.29
3/27/08	0.55	0.44	0.50	0.42	0.31	0.46	0.43	0.41	0.26	0.14	0.12	0.17	0.28	0.08	0.06	0.22	0.17	0.17	0.29	0.27	0.15	0.16	0.07	0.12	24	0.55	0.06	0.26
3/28/08	0.39	0.16	0.47	0.61	0.72	0.58	0.52	0.37	0.39	0.51	0.39	0.34	0.14	0.26	0.14	0.26	0.03	0.26	0.25	0.34	0.65	0.60	0.58	0.57	24	0.72	0.03	0.40
3/29/08	0.69	0.73	0.88	0.92	0.90	0.95	0.94	0.93	0.83	0.86	0.95	0.75	0.80	0.87	0.74	0.72	0.51	0.22	0.43	0.24	0.12	0.12	0.12	0.19	24	0.95	0.12	0.64
3/30/08	0.16	0.25	0.19	0.17	0.17	0.11	0.18	0.21	0.23	0.26	0.13	-0.04	-0.01	-0.13	0.04	0.11	-0.03	0.20	0.25	0.34	0.40	0.37	0.22	0.12	24	0.40	-0.13	0.16
3/31/08	0.22	0.10	0.10	0.19	0.24	0.37	0.33	0.42	0.42	0.39	0.31	0.33	0.42	0.45	0.52	0.40	0.32	0.26	0.26	0.19	0.24	0.34	0.35	0.19	24	0.52	0.10	0.31
hr max	0.74	0.73	0.88	0.92	0.90	0.95	0.94	0.93	0.83	0.86	0.95	0.75	0.80	0.87	0.74	0.72	0.61	0.58	0.57	0.67	0.72	0.74	0.64	0.71				
hr min	-0.02	0.00	-0.04	-0.04	-0.05	-0.02	-0.02	-0.07	-0.08	-0.02	-0.01	-0.04	-0.06	-0.13	-0.06	-0.02	-0.03	-0.03	-0.02	-0.05	-0.04	0.00	-0.02	-0.04				
average	0.17	0.17	0.18	0.17	0.17	0.20	0.17	0.17	0.18	0.21	0.21	0.23	0.23	0.23	0.22	0.20	0.17	0.17	0.17	0.17	0.18	0.20	0.17	0.17				

monthly	monthly	monthly
max hr	min hr	ave hr
0.95	-0.13	0.19
3/29/08	3/30/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
mps
100VWS

data
channel
mps

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
3/1/08	1.18	1.18	0.98	1.09	1.14	1.03	0.84	0.97	0.57	0.56	0.14	0.03	0.13	0.46	0.40	0.51	0.51	0.84	1.27	1.34	1.38	1.29	1.04	0.59	24	1.38	0.03	0.81
3/2/08	0.18	0.43	0.48	0.86	1.44	1.89	1.99	2.66	2.63	2.40	2.22	2.42	2.15	2.21	2.45	2.22	2.05	2.07	1.77	1.38	1.50	1.49	1.63	1.67	24	2.66	0.18	1.76
3/3/08	1.59	1.46	1.30	1.34	1.53	1.05	0.86	0.78	0.54	0.37	0.47	0.45	0.29	0.35	0.31	0.10	0.24	0.47	0.39	-0.27	-1.08	-1.77	0.15	0.41	24	1.59	-1.77	0.47
3/4/08	0.57	-0.07	-1.40	-1.48	0.71	1.09	1.10	0.86	0.81	0.65	0.45	0.55	0.55	0.40	0.59	1.00	1.23	1.17	1.46	1.35	1.50	1.53	1.62	1.85	24	1.85	-1.48	0.75
3/5/08	1.91	1.71	1.36	1.56	1.53	1.33	1.40	1.06	1.06	1.20	0.98	0.89	0.94	0.89	0.81	0.70	0.46	0.44	0.48	0.75	1.31	1.79	1.30	1.08	24	1.91	0.44	1.12
3/6/08	0.70	0.48	0.47	0.76	1.04	1.17	1.09	0.93	0.79	0.71	0.90	0.55	0.77	0.63	0.58	0.72	0.82	0.65	0.54	0.47	0.30	-0.02	0.00	0.00	24	1.17	-0.02	0.63
3/7/08	-0.01	-0.15	0.03	0.02	-0.01	-0.01	0.29	0.36	0.16	0.18	0.26	-0.03	0.30	0.21	0.30	0.24	-0.30	-0.45	-0.40	-0.49	-0.16	-1.50	-0.53	0.53	24	0.53	-1.50	-0.05
3/8/08	1.25	1.33	0.83	0.95	1.01	1.33	1.48	1.27	1.20	1.24	1.35	1.42	1.49	1.44	1.32	1.37	1.27	1.07	0.87	0.95	0.74	0.51	0.52	0.51	24	1.49	0.51	1.11
3/9/08	0.49	0.43	0.53	0.17	0.07	0.21	0.21	0.29	0.24	0.24	0.24	0.26	0.39	0.39	0.35	0.41	0.17	0.26	0.34	0.04	0.00	0.00	-0.23	-0.08	24	0.53	-0.23	0.23
3/10/08	0.15	0.00	0.00	0.67	0.80	0.90	1.02	0.91	0.72	0.53	0.44	0.57	0.41	0.76	0.42	0.52	0.68	0.54	0.57	0.70	0.83	0.78	1.07	1.24	24	1.24	0.00	0.63
3/11/08	1.07	0.82	1.01	0.97	0.77	0.78	0.78	0.63	0.50	0.27	0.18	0.07	0.22	0.41	0.19	0.26	0.16	0.29	0.26	0.11	0.41	-0.03	0.46	0.60	24	1.07	-0.03	0.47
3/12/08	0.59	0.55	0.16	-0.22	0.20	1.29	1.77	1.44	1.25	1.23	1.27	1.01	1.45	1.73	1.87	1.19	1.56	1.29	1.23	1.20	1.17	1.30	1.27	1.24	24	1.87	-0.22	1.13
3/13/08	0.94	0.97	0.98	1.02	1.04	0.98	1.04	0.97	0.90			0.73	0.92	0.70	0.68	1.07	1.14	0.99	1.14	0.91	0.88	0.92	1.07	1.07	22	1.14	0.68	0.96
3/14/08	0.78	0.67	0.40	1.08	1.12	0.85	0.74	0.88	0.74	0.79	0.55	0.70	0.77	0.56	0.55	0.50	0.48	0.44	0.27	0.05	0.10	0.13	0.15	0.28	24	1.12	0.05	0.57
3/15/08	0.37	0.49	0.42	0.41	0.42	0.00	0.00	0.04	0.34	0.11	0.17	0.47	0.29	0.10	0.17	-0.14	0.16	0.09	0.11	0.00	0.07	0.22	0.21	0.38	24	0.49	-0.14	0.20
3/16/08	0.03	0.22	0.63	0.66	0.66	0.58	0.70	0.79	0.58	0.42	0.53	0.44	0.62	0.51	0.44	-0.06	0.43	0.71	0.73	0.77	0.95	1.08	0.66	-0.01	24	1.08	-0.06	0.54
3/17/08	-0.45	0.50	0.57	0.45	0.18	0.51	-0.27	-0.45	0.10	0.08	0.10	0.14	-0.06	0.08	-0.10	-0.10	0.17	0.32	0.09	0.00	0.08	0.10	0.19	0.76	24	0.76	-0.45	0.12
3/18/08	0.72	0.90	0.89	0.95	1.10	1.02	0.97	1.24	1.08	0.55	0.32	0.31	0.18	0.62	0.51	0.22	0.74	0.46	0.79	0.34	0.13	0.00	0.08	0.30	24	1.24	0.00	0.60
3/19/08	0.59	0.56	0.49	0.02	-0.08	-0.05	0.06	-0.13	0.17	0.11	0.19	0.08	0.03	0.44	0.12	0.87	1.15	0.91	0.85	0.59	0.61	0.58	0.47	0.47	24	1.15	-0.13	0.38
3/20/08	0.33	0.44	0.49	0.28	0.28	0.24	0.27	0.23	0.23	0.23	0.22	0.47	0.45	0.73	0.94	0.79	0.85	0.77	frozen	frozen	frozen	frozen	frozen	frozen	18	0.94	0.22	0.46
3/21/08	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	0.42	0.69	0.47	0.12	0.02	0.03	0.44	0.64	8	0.69	0.02	0.35
3/22/08	1.00	1.26	1.37	1.40	1.22	1.25	1.38	1.22	1.30	1.26	1.19	1.11	0.83	0.87	0.89	0.70	0.66	0.53	0.55	0.51	0.51	0.34	0.59	0.72	24	1.40	0.34	0.94
3/23/08	0.64	0.79	0.89	0.76	0.78	0.71	0.68	0.66	0.44	0.50	0.35	0.44	0.04	0.21	0.26	0.20	-0.20	0.23	0.41	0.61	0.79	0.83	0.67	0.52	24	0.89	-0.20	0.51
3/24/08	-1.10	-1.10	-1.36	-1.05	0.22	0.23	-1.17	-0.59	1.06	1.22	0.92	0.98	0.60	0.53	0.73	0.70	0.57	0.81	1.44	1.36	1.33	1.48	1.47	1.71	24	1.71	-1.36	0.46
3/25/08	1.82	1.58	1.65	1.73	1.84	1.77	1.77	1.64	1.75	1.86	1.60	1.59	1.11	0.97	1.00	0.60	0.30	0.29	0.04	0.02	0.13	0.06	0.34	0.81	24	1.86	0.02	1.09
3/26/08	0.79	0.77	0.66	0.59	0.58	0.38	0.03	0.00	0.03	-0.03	0.25	0.11	0.35	0.32	0.47	0.39	0.43	0.42	0.53	0.58	0.68	0.80	0.80	0.86	24	0.86	-0.03	0.45
3/27/08	0.65	0.55	0.61	0.52	0.36	0.47	0.43	0.41	0.34	0.16	0.11	0.18	0.36	0.03	0.03	0.07	0.07	0.14	0.28	0.26	0.14	0.22	-0.36	-0.19	24	0.65	-0.36	0.24
3/28/08	0.13	0.15	0.24	0.59	0.68	0.70	0.75	0.38	0.62	0.58	0.42	0.03	0.04	0.40	-0.14	0.24	0.19	0.84	0.82	-0.14	-1.11	-0.70	-0.63	0.49	24	0.84	-1.11	0.23
3/29/08	0.79	0.85	1.20	1.34	1.22	1.29	1.10	1.15	0.96	0.78	1.15	0.85	0.76	1.00	0.05	0.29	-0.29	-0.46	-0.45	1.15	1.28	1.10	0.99	1.32	24	1.34	-0.46	0.81
3/30/08	1.48	1.38	1.38	1.29	1.39	1.26	1.33	1.43	1.21	1.32	0.85	0.44	0.26	0.14	0.06	0.11	-0.13	0.11	0.05	0.00	0.00	0.00	0.00	0.04	24	1.48	-0.13	0.64
3/31/08	0.09	0.01	0.24	0.36	0.42	0.64	0.64	0.78	0.70	0.78	0.72	0.78	0.96	1.15	1.21	1.08	0.88	0.81	0.76	0.75	0.82	1.06	0.97	0.87	24	1.21	0.01	0.73
hr max	1.91	1.71	1.65	1.73	1.84	1.89	1.99	2.66	2.63	2.40	2.22	2.42	2.15	2.21	2.45	2.22	2.05	2.07	1.77	1.38	1.50	1.79	1.63	1.85				
hr min	-1.10	-1.10	-1.40	-1.48	-0.08	-0.05	-1.17	-0.59	0.03	-0.03	0.10	-0.03	-0.06	0.03	-0.14	-0.14	-0.30	-0.46	-0.45	-0.49	-1.11	-1.77	-0.63	-0.19				
average	0.64	0.64	0.58	0.64	0.79	0.83	0.78	0.76	0.77	0.70	0.64	0.60	0.59	0.64	0.58	0.56	0.54	0.57	0.59	0.51	0.51	0.45	0.55	0.69				

monthly	monthly	monthly
max hr	min hr	ave hr
2.66	-1.77	0.63
3/2/08	3/3/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	720
possible hours	744
data capture	96.8%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
Deg
10SW

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
3/1/08	0.47	0.44	0.33	0.35	0.39	0.36	0.23	0.32	0.42	0.43	0.40	0.44	0.48	0.50	0.50	0.53	0.53	0.48	0.57	0.66	0.62	0.65	0.61	0.37	24	0.66	0.23	0.46
3/2/08	0.19	0.16	0.22	0.26	0.50	0.58	0.56	0.68	0.66	0.72	0.66	0.68	0.64	0.68	0.66	0.66	0.63	0.60	0.56	0.40	0.43	0.43	0.51	0.52	24	0.72	0.16	0.52
3/3/08	0.54	0.49	0.44	0.44	0.45	0.35	0.27	0.26	0.33	0.39	0.42	0.50	0.52	0.47	0.45	0.47	0.40	0.34	0.23	0.29	0.42	0.43	0.43	0.51	24	0.54	0.23	0.41
3/4/08	0.48	0.47	0.41	0.40	0.32	0.28	0.28	0.30	0.37	0.36	0.37	0.40	0.45	0.43	0.39	0.44	0.41	0.43	0.73	0.48	0.51	0.53	0.61	0.61	24	0.73	0.28	0.44
3/5/08	0.65	0.56	0.47	0.51	0.50	0.51	0.47	0.42	0.42	0.49	0.50	0.57	0.55	0.53	0.51	0.47	0.42	0.31	0.17	0.30	0.47	0.56	0.37	0.23	24	0.65	0.17	0.46
3/6/08	0.12	0.13	0.09	0.17	0.20	0.19	0.24	0.21	0.29	0.32	0.49	0.53	0.49	0.53	0.53	0.54	0.49	0.41	0.26	0.14	0.06	0.03	0.13	0.10	24	0.54	0.03	0.28
3/7/08	0.08	0.06	0.06	0.10	0.08	0.08	0.09	0.13	0.29	0.41	0.50	0.54	0.55	0.58	0.57	0.55	0.52	0.49	0.39	0.41	0.47	0.51	0.52	0.47	24	0.58	0.06	0.35
3/8/08	0.53	0.49	0.46	0.30	0.29	0.26	0.28	0.26	0.41	0.47	0.46	0.49	0.48	0.49	0.47	0.51	0.53	0.43	0.24	0.28	0.29	0.10	0.10	0.13	24	0.53	0.10	0.36
3/9/08	0.13	0.12	0.16	0.14	0.18	0.21	0.19	0.20	0.27	0.35	0.41	0.48	0.46	0.49	0.48	0.45	0.40	0.28	0.13	0.08	0.01	0.09	0.01	0.20	24	0.49	0.01	0.25
3/10/08	0.18	0.17	0.18	0.20	0.18	0.16	0.16	0.19	0.31	0.33	0.38	0.51	0.54	0.55	0.56	0.50	0.43	0.31	0.07	0.13	0.16	0.15	0.03	0.11	24	0.56	0.03	0.27
3/11/08	0.18	0.13	0.13	0.17	0.12	0.13	0.14	0.14	0.17	0.26	0.24	0.29	0.41	0.48	0.43	0.31	0.18	0.11	0.12	0.19	0.22	0.23	0.16	0.09	24	0.48	0.09	0.21
3/12/08	0.09	0.23	0.10	0.10	0.12	0.32	0.41	0.33	0.34	0.35	0.43	0.46	0.60	0.64	0.68	0.56	0.55	0.40	0.25	0.30	0.19	0.25	0.23	0.21	24	0.68	0.09	0.34
3/13/08	0.16	0.17	0.19	0.19	0.16	0.19	0.19	0.21	0.35			0.49	0.52	0.52	0.51	0.58	0.47	0.40	0.33	0.14	0.11	0.14	0.21	0.14	22	0.58	0.11	0.29
3/14/08	0.11	0.12	0.10	0.14	0.19	0.11	0.16	0.22	0.33	0.47	0.42	0.42	0.44	0.42	0.42	0.45	0.41	0.32	0.13	0.03	0.42	0.30	0.52	0.32	24	0.52	0.03	0.29
3/15/08	0.05	0.07	0.08	0.10	0.10	0.10	0.09	0.16	0.35	0.40	0.51	0.55	0.57	0.58	0.54	0.55	0.36	0.29	0.21	0.10	0.18	0.21	0.22	0.23	24	0.58	0.05	0.28
3/16/08	0.25	0.15	0.14	0.13	0.20	0.19	0.38	0.50	0.51	0.60	0.63	0.64	0.64	0.64	0.64	0.56	0.52	0.50	0.43	0.49	0.54	0.60	0.49	0.48	24	0.64	0.13	0.45
3/17/08	0.49	0.48	0.46	0.39	0.39	0.25	0.31	0.34	0.34	0.35	0.36	0.46	0.53	0.51	0.46	0.52	0.43	0.27	0.11	0.09	0.12	0.15	0.17	0.11	24	0.53	0.09	0.34
3/18/08	0.11	0.14	0.15	0.17	0.14	0.12	0.15	0.30	0.37	0.38	0.44	0.48	0.51	0.52	0.50	0.45	0.50	0.32	0.22	0.10	0.07	0.04	0.07	0.13	24	0.52	0.04	0.27
3/19/08	0.15	0.15	0.13	0.14	0.13	0.11	0.11	0.14	0.24	0.31	0.36	0.37	0.38	0.46	0.47	0.51	0.49	0.50	0.48	0.46	0.45	0.42	0.44	0.42	24	0.51	0.11	0.33
3/20/08	0.36	0.41	0.47	0.33	0.34	0.31	0.29	0.29	0.33	0.36	0.33	0.45	0.47	0.50	0.56	0.55	0.54	0.50	0.41	0.40	0.37	0.36	0.27	0.26	24	0.56	0.26	0.39
3/21/08	0.29	0.34	0.27	0.16	0.11	0.27	0.22	0.19	0.21	0.27	0.27	0.29	0.19	0.26	0.26	0.32	0.31	0.32	0.24	0.11	0.05	0.07	0.15	0.18	24	0.34	0.05	0.22
3/22/08	0.21	0.25	0.37	0.43	0.43	0.46	0.45	0.47	0.48	0.49	0.52	0.50	0.47	0.47	0.50	0.44	0.39	0.28	0.26	0.14	0.17	0.11	0.12	0.19	24	0.52	0.11	0.36
3/23/08	0.13	0.14	0.17	0.17	0.17	0.17	0.15	0.20	0.34	0.42	0.50	0.54	0.58	0.59	0.50	0.53	0.45	0.40	0.28	0.24	0.34	0.40	0.38	0.43	24	0.59	0.13	0.34
3/24/08	0.42	0.44	0.40	0.50	0.56	0.54	0.53	0.64	0.69	0.67	0.67	0.64	0.60	0.58	0.57	0.53	0.42	0.36	0.35	0.22	0.28	0.41	0.37	0.42	24	0.69	0.22	0.49
3/25/08	0.48	0.44	0.36	0.47	0.51	0.50	0.50	0.56	0.60	0.58	0.52	0.59	0.54	0.56	0.50	0.46	0.45	0.30	0.09	0.11	0.05	0.18	0.11	0.10	24	0.60	0.05	0.40
3/26/08	0.11	0.14	0.11	0.10	0.11	0.14	0.09	0.07	0.24	0.36	0.40	0.49	0.52	0.51	0.52	0.48	0.47	0.42	0.35	0.36	0.41	0.43	0.42	0.43	24	0.52	0.07	0.32
3/27/08	0.35	0.32	0.30	0.28	0.18	0.22	0.15	0.16	0.17	0.23	0.27	0.32	0.37	0.34	0.35	0.36	0.30	0.26	0.13	0.08	0.07	0.07	0.08	0.08	24	0.37	0.07	0.23
3/28/08	0.09	0.08	0.10	0.15	0.27	0.29	0.33	0.32	0.42	0.48	0.48	0.49	0.42	0.40	0.44	0.43	0.37	0.40	0.27	0.20	0.33	0.30	0.23	0.23	24	0.49	0.08	0.31
3/29/08	0.28	0.38	0.54	0.61	0.54	0.64	0.68	0.70	0.71	0.75	0.80	0.68	0.76	0.72	0.70	0.73	0.73	0.44	0.32	0.39	0.29	0.31	0.28	0.34	24	0.80	0.28	0.56
3/30/08	0.33	0.40	0.42	0.33	0.48	0.41	0.39	0.47	0.40	0.40	0.39	0.36	0.42	0.43	0.45	0.46	0.34	0.26	0.16	0.12	0.16	0.11	0.07	0.08	24	0.48	0.07	0.33
3/31/08	0.17	0.11	0.15	0.21	0.29	0.41	0.45	0.52	0.50	0.50	0.46	0.49	0.53	0.58	0.62	0.63	0.52	0.46	0.36	0.31	0.25	0.39	0.39	0.23	24	0.63	0.11	0.40
hr max	0.65	0.56	0.54	0.61	0.56	0.64	0.68	0.70	0.71	0.75	0.80	0.68	0.76	0.72	0.70	0.73	0.73	0.60	0.73	0.66	0.62	0.65	0.61	0.61				
hr min	0.05	0.06	0.06	0.10	0.08	0.08	0.09	0.07	0.17	0.23	0.24	0.29	0.19	0.26	0.26	0.31	0.18	0.11	0.07	0.03	0.01	0.03	0.01	0.08				
average	0.26	0.26	0.26	0.26	0.28	0.29	0.29	0.32	0.38	0.43	0.45	0.49	0.50	0.51	0.51	0.50	0.45	0.37	0.29	0.25	0.27	0.29	0.28	0.27				

monthly max hr	monthly min hr	monthly ave hr
0.80	0.01	0.35
3/29/08	3/9/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
Deg
50SW

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
3/1/08	0.24	0.24	0.20	0.25	0.26	0.20	0.18	0.22	0.29	0.55	0.44	0.49	0.37	0.54	0.48	0.48	0.48	0.29	0.31	0.30	0.30	0.42	0.29	0.29	24	0.55	0.18	0.34
3/2/08	0.22	0.16	0.16	0.20	0.26	0.26	0.20	0.30	0.34	0.33	0.30	0.34	0.40	0.32	0.36	0.42	0.32	0.25	0.24	0.20	0.24	0.23	0.22	0.28	24	0.42	0.16	0.27
3/3/08	0.28	0.26	0.21	0.20	0.18	0.17	0.17	0.20	0.24	0.45	0.56	0.76	0.68	0.65	0.71	0.47	0.40	0.21	0.16	0.15	0.15	0.15	0.17	0.22	24	0.76	0.15	0.33
3/4/08	0.18	0.18	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.18	0.24	0.40	0.54	0.43	0.39	0.32	0.18	0.22	0.57	0.24	0.20	0.25	0.33	0.28	24	0.57	0.16	0.26
3/5/08	0.31	0.37	0.22	0.22	0.25	0.22	0.26	0.28	0.25	0.33	0.48	0.47	0.70	0.59	0.56	0.68	0.46	0.32	0.15	0.32	0.19	0.23	0.17	0.15	24	0.70	0.15	0.34
3/6/08	0.17	0.16	0.16	0.17	0.18	0.16	0.17	0.16	0.23	0.22	0.35	0.42	0.52	0.56	0.55	0.58	0.46	0.28	0.17	0.17	0.17	0.17	0.15	0.15	24	0.58	0.15	0.27
3/7/08	0.16	0.16	0.17	0.17	0.17	0.16	0.14	0.16	0.20	0.46	0.58	0.53	0.70	0.61	0.58	0.50	0.28	0.26	0.21	0.17	0.17	0.17	0.18	0.19	24	0.70	0.14	0.30
3/8/08	0.20	0.18	0.47	0.15	0.18	0.20	0.17	0.17	0.21	0.29	0.24	0.19	0.33	0.27	0.31	0.27	0.29	0.25	0.17	0.17	0.20	0.14	0.15	0.15	24	0.47	0.14	0.22
3/9/08	0.16	0.16	0.15	0.13	0.17	0.19	0.16	0.16	0.29	0.46	0.60	0.70	0.68	0.79	0.66	0.69	0.53	0.22	0.13	0.14	0.13	0.13	0.16	0.16	24	0.79	0.13	0.32
3/10/08	0.16	0.16	0.15	0.15	0.17	0.16	0.17	0.19	0.19	0.20	0.41	0.58	0.45	0.66	0.59	0.54	0.48	0.21	0.15	0.16	0.15	0.15	0.15	0.17	24	0.66	0.15	0.27
3/11/08	0.15	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.16	0.24	0.28	0.36	0.52	0.58	0.49	0.26	0.16	0.15	0.20	0.16	0.18	0.15	0.16	0.16	24	0.58	0.15	0.23
3/12/08	0.14	0.44	0.16	0.16	0.18	0.15	0.15	0.17	0.19	0.17	0.19	0.29	0.46	0.51	0.51	0.28	0.30	0.18	0.16	0.17	0.15	0.14	0.14	0.18	24	0.51	0.14	0.23
3/13/08	0.16	0.16	0.15	0.15	0.14	0.14	0.15	0.16	0.18			0.96	1.07	1.05	0.99	0.99	0.89	0.73	0.48	0.30	0.19	0.18	0.33	0.24	22	1.07	0.14	0.45
3/14/08	0.10	0.15	0.21	0.18	0.23	0.14	0.31	0.27	0.48	0.75	0.75	0.75	0.85	0.74	0.74	0.92	0.69	0.56	0.18	0.10	0.02	0.01	0.01	0.07	24	0.92	0.01	0.38
3/15/08	0.11	0.14	0.13	0.16	0.16	0.15	0.18	0.20	0.54	0.65	0.88	1.10	1.01	1.20	1.02	0.92	0.70	0.53	0.21	0.09	0.09	0.10	0.14	0.22	24	1.20	0.09	0.44
3/16/08	0.19	0.16	0.15	0.22	0.08	0.13	0.35	0.45	0.58	0.85	0.91	1.01	0.95	1.03	0.90	0.81	0.67	0.61	0.51	0.64	0.65	0.70	0.61	0.63	24	1.03	0.08	0.57
3/17/08	0.61	0.54	0.49	0.52	0.50	0.32	0.35	0.41	0.43	0.46	0.52	0.73	0.90	1.01	0.85	0.83	0.76	0.46	0.21	0.00	0.00	0.20	0.23	0.27	24	1.01	0.00	0.48
3/18/08	0.11	0.20	0.23	0.22	0.17	0.13	0.07	0.34	0.53	0.62	0.80	0.91	0.89	1.07	0.98	0.82	0.75	0.52	0.25	0.14	0.12	0.00	0.00	0.28	24	1.07	0.00	0.42
3/19/08	0.11	0.08	0.10	0.08	0.25	0.12	0.08	0.20	0.39	0.44	0.55	0.56	0.64	0.89	0.90	0.99	0.96	0.74	0.53	0.56	0.62	0.59	0.62	0.53	24	0.99	0.08	0.48
3/20/08	0.43	0.49	0.54	0.39	0.36	0.35	0.30	0.28	0.39	0.38	0.39	0.54	0.65	0.61	0.77	0.70	0.64	0.55	0.49	0.49	0.47	0.48	0.33	0.29	24	0.77	0.28	0.47
3/21/08	0.38	0.45	0.36	0.19	0.05	0.27	0.18	0.20	0.34	0.37	0.33	0.44	0.51	0.48	0.49	0.58	0.52	0.49	0.40	0.19	0.23	0.17	0.10	0.22	24	0.58	0.05	0.33
3/22/08	0.25	0.41	0.60	0.70	0.58	0.67	0.64	0.68	0.71	0.73	0.76	0.78	0.86	0.86	0.94	0.86	0.72	0.47	0.38	0.15	0.21	0.13	0.12	0.24	24	0.94	0.12	0.56
3/23/08	0.15	0.16	0.19	0.19	0.20	0.21	0.19	0.27	0.54	0.74	0.87	0.94	1.07	1.06	0.98	0.92	0.79	0.56	0.27	0.14	0.23	0.32	0.28	0.39	24	1.07	0.14	0.49
3/24/08	0.44	0.41	0.43	0.56	0.60	0.61	0.59	0.72	0.81	0.81	0.95	1.02	0.90	0.96	0.95	0.84	0.76	0.58	0.57	0.34	0.41	0.68	0.58	0.69	24	1.02	0.34	0.68
3/25/08	0.74	0.69	0.52	0.69	0.74	0.73	0.71	0.93	1.14	1.06	1.03	1.17	1.18	1.15	1.10	0.94	0.87	0.59	0.16	0.12	0.21	0.36	0.21	0.12	24	1.18	0.12	0.72
3/26/08	0.00	0.16	0.18	0.15	0.10	0.14	0.15	0.25	0.21	0.53	0.76	0.89	0.94	0.86	0.84	0.83	0.58	0.53	0.37	0.39	0.47	0.44	0.47	0.47	24	0.94	0.00	0.45
3/27/08	0.43	0.37	0.36	0.31	0.20	0.28	0.22	0.14	0.17	0.34	0.43	0.50	0.54	0.54	0.57	0.64	0.55	0.36	0.12	0.15	0.16	0.16	0.15	0.23	24	0.64	0.12	0.33
3/28/08	0.10	0.17	0.08	0.09	0.08	0.20	0.33	0.27	0.43	0.55	0.64	0.67	0.52	0.53	0.55	0.58	0.37	0.47	0.29	0.28	0.19	0.20	0.12	0.16	24	0.67	0.08	0.33
3/29/08	0.16	0.31	0.51	0.54	0.49	0.61	0.77	0.78	0.88	1.10	1.05	0.90	1.01	0.80	0.92	0.93	0.94	0.56	0.47	0.69	0.49	0.61	0.52	0.50	24	1.10	0.16	0.69
3/30/08	0.39	0.64	0.66	0.44	0.69	0.65	0.63	0.73	0.77	0.79	0.70	0.62	0.73	0.77	0.84	0.82	0.58	0.50	0.21	0.11	0.08	0.09	0.11	0.26	24	0.84	0.08	0.53
3/31/08	0.33	0.12	0.12	0.19	0.35	0.54	0.62	0.67	0.73	0.67	0.59	0.61	0.68	0.77	0.80	0.83	0.66	0.59	0.45	0.40	0.35	0.49	0.47	0.33	24	0.83	0.12	0.52
hr max	0.74	0.69	0.66	0.70	0.74	0.73	0.77	0.93	1.14	1.10	1.05	1.17	1.18	1.20	1.10	0.99	0.96	0.74	0.57	0.69	0.65	0.70	0.62	0.69				
hr min	0.00	0.08	0.08	0.08	0.05	0.12	0.07	0.14	0.16	0.17	0.19	0.19	0.33	0.27	0.31	0.26	0.16	0.15	0.12	0.00	0.00	0.00	0.00	0.07				
average	0.24	0.27	0.27	0.26	0.27	0.28	0.29	0.33	0.42	0.52	0.59	0.67	0.72	0.74	0.72	0.69	0.57	0.43	0.30	0.25	0.24	0.27	0.25	0.27				

monthly	monthly	monthly
max hr	min hr	ave hr
1.20	0.00	0.41
3/15/08	3/17/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
Deg
100SW

data
channel
Deg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid hr count	daily max hr	daily min hr	daily ave hr
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
3/1/08	0.22	0.24	0.38	0.32	0.31	0.18	0.20	0.24	0.45	0.56	0.51	0.50	0.61	0.66	0.76	0.76	0.76	0.44	0.30	0.44	0.43	0.42	0.29	0.23	24	0.76	0.18	0.43
3/2/08	0.29	0.19	0.35	0.37	0.76	0.70	0.81	1.03	1.00	1.03	1.09	1.00	1.03	0.99	1.05	0.91	0.90	0.83	0.73	0.53	0.52	0.53	0.66	0.65	24	1.09	0.19	0.75
3/3/08	0.78	0.79	0.59	0.64	0.64	0.51	0.34	0.41	0.57	0.82	0.85	1.07	1.09	1.01	1.04	0.89	0.77	0.51	0.55	0.68	0.82	0.62	0.45	0.48	24	1.09	0.34	0.71
3/4/08	0.30	0.76	0.36	0.48	0.61	0.14	0.15	0.11	0.14	0.24	0.47	0.81	1.07	0.95	0.85	0.67	0.42	0.44	0.75	0.53	0.61	0.70	0.79	0.78	24	1.07	0.11	0.55
3/5/08	0.82	0.83	0.62	0.66	0.67	0.66	0.63	0.65	0.81	0.98	1.13	1.19	1.25	1.31	1.24	1.10	0.91	0.63	0.23	0.55	0.60	0.74	0.43	0.21	24	1.31	0.21	0.79
3/6/08	0.14	0.11	0.15	0.15	0.17	0.10	0.17	0.24	0.47	0.57	0.80	0.79	0.89	0.97	1.04	1.00	0.84	0.64	0.28	0.10	0.10	0.07	0.00	0.05	24	1.04	0.00	0.41
3/7/08	0.06	0.27	0.08	0.07	0.06	0.06	0.21	0.09	0.27	0.68	1.05	1.03	1.20	1.14	1.10	1.14	1.00	1.01	0.82	0.78	0.62	0.67	1.10	0.77	24	1.20	0.06	0.64
3/8/08	0.58	0.33	1.08	0.19	0.31	0.32	0.16	0.25	0.56	0.81	0.77	0.82	0.78	0.81	0.80	0.79	0.89	0.60	0.32	0.42	0.39	0.14	0.19	0.23	24	1.08	0.14	0.52
3/9/08	0.18	0.15	0.10	0.20	0.16	0.24	0.23	0.21	0.41	0.62	0.84	0.97	1.04	1.18	1.01	1.05	0.84	0.60	0.22	0.08	0.04	0.00	0.29	0.52	24	1.18	0.00	0.47
3/10/08	0.28	0.00	0.00	0.34	0.08	0.07	0.08	0.07	0.11	0.34	0.57	1.03	1.12	1.19	1.05	1.05	0.85	0.41	0.16	0.13	0.07	0.11	0.09	0.10	24	1.19	0.00	0.39
3/11/08	0.22	0.12	0.15	0.12	0.07	0.08	0.08	0.13	0.14	0.28	0.33	0.49	0.91	0.94	0.85	0.58	0.28	0.25	0.18	0.28	0.14	0.40	0.40	0.14	24	0.94	0.07	0.32
3/12/08	0.16	0.79	0.28	0.22	0.41	0.49	0.44	0.38	0.52	0.34	0.56	0.88	1.27	1.30	1.19	1.11	0.92	0.59	0.34	0.49	0.22	0.17	0.27	0.30	24	1.30	0.16	0.57
3/13/08	0.14	0.09	0.16	0.15	0.09	0.08	0.11	0.08	0.25			1.14	1.32	1.23	1.12	1.14	0.92	0.81	0.54	0.30	0.14	0.13	0.29	0.13	22	1.32	0.08	0.47
3/14/08	0.13	0.15	0.23	0.14	0.18	0.18	0.42	0.26	0.50	0.83	0.86	0.82	1.04	0.89	0.92	1.11	0.81	0.62	0.18	0.09	0.21	0.12	0.13	0.13	24	1.11	0.09	0.46
3/15/08	0.16	0.10	0.09	0.10	0.13	0.00	0.00	0.12	0.56	0.74	1.01	1.29	1.20	1.40	1.24	1.08	0.88	0.69	0.20	0.02	0.13	0.16	0.17	0.31	24	1.40	0.00	0.49
3/16/08	0.08	0.30	0.20	0.24	0.09	0.14	0.15	0.14	0.28	0.49	0.63	0.77	0.75	0.78	0.68	0.88	0.51	0.43	0.42	0.45	0.39	0.32	0.34	0.67	24	0.88	0.08	0.42
3/17/08	0.98	0.93	0.82	0.76	0.91	0.43	0.75	0.56	0.57	0.64	0.64	0.79	1.08	1.12	1.06	1.05	0.91	0.52	0.18	0.03	0.11	0.17	0.53	0.07	24	1.12	0.03	0.65
3/18/08	0.07	0.12	0.25	0.22	0.14	0.09	0.13	0.16	0.41	0.60	0.89	1.06	1.04	1.31	1.28	1.04	0.87	0.58	0.31	0.15	0.15	0.05	0.13	0.17	24	1.31	0.05	0.47
3/19/08	0.12	0.09	0.12	0.25	0.56	0.33	0.41	0.65	0.60	0.40	0.51	0.60	0.66	1.04	1.05	1.12	1.02	0.83	0.46	0.59	0.64	0.59	0.60	0.51	24	1.12	0.09	0.57
3/20/08	0.40	0.45	0.50	0.42	0.36	0.37	0.32	0.28	0.30	0.35	0.32	0.43	0.63	0.53	0.70	0.70	0.58	0.50	frozen	frozen	frozen	frozen	frozen	frozen	18	0.70	0.28	0.45
3/21/08	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	frozen	0.55	0.59	0.52	0.17	0.12	0.09	0.17	0.26	8	0.59	0.09	0.31
3/22/08	0.23	0.27	0.51	0.63	0.52	0.60	0.53	0.61	0.65	0.69	0.74	0.81	0.96	0.96	1.11	0.97	0.81	0.51	0.35	0.13	0.23	0.20	0.16	0.18	24	1.11	0.13	0.56
3/23/08	0.10	0.18	0.09	0.10	0.10	0.21	0.16	0.27	0.51	0.90	0.98	1.10	1.31	1.25	1.18	1.06	0.75	0.56	0.23	0.10	0.09	0.17	0.12	0.27	24	1.31	0.09	0.49
3/24/08	0.76	0.66	0.52	0.65	0.59	0.58	0.81	1.23	1.22	1.12	1.06	1.09	1.03	1.09	1.09	0.98	0.81	0.66	0.47	0.27	0.35	0.69	0.52	0.59	24	1.23	0.27	0.79
3/25/08	0.64	0.60	0.35	0.48	0.56	0.60	0.52	0.79	1.09	1.05	0.97	1.22	1.28	1.30	1.17	1.06	0.97	0.71	0.23	0.07	0.23	0.40	0.35	0.12	24	1.30	0.07	0.70
3/26/08	0.11	0.20	0.23	0.16	0.09	0.16	0.09	0.05	0.15	0.43	0.83	1.09	1.15	1.10	1.02	1.11	0.69	0.58	0.28	0.32	0.41	0.40	0.42	0.42	24	1.15	0.05	0.48
3/27/08	0.44	0.38	0.35	0.29	0.23	0.29	0.25	0.11	0.14	0.27	0.37	0.55	0.69	0.60	0.62	0.67	0.53	0.34	0.17	0.17	0.15	0.17	0.51	0.34	24	0.69	0.11	0.36
3/28/08	0.15	0.15	0.25	0.08	0.07	0.09	0.19	0.22	0.21	0.35	0.31	0.65	0.82	0.75	0.81	0.82	0.61	0.49	0.25	0.76	0.45	0.52	0.62	0.18	24	0.82	0.07	0.41
3/29/08	0.14	0.18	0.20	0.19	0.14	0.19	0.38	0.30	0.51	0.74	0.54	0.51	0.64	0.40	1.04	0.98	1.19	1.00	0.82	1.06	0.42	0.58	0.54	0.46	24	1.19	0.14	0.55
3/30/08	0.22	0.55	0.52	0.26	0.65	0.62	0.51	0.65	0.69	0.77	0.84	0.70	0.85	0.96	1.00	0.97	0.72	0.64	0.26	0.06	0.01	0.00	0.03	0.29	24	1.00	0.00	0.53
3/31/08	0.32	0.07	0.13	0.14	0.32	0.50	0.59	0.66	0.71	0.58	0.62	0.60	0.61	0.72	0.76	0.80	0.63	0.54	0.37	0.29	0.29	0.42	0.43	0.30	24	0.80	0.07	0.48
hr max	0.98	0.93	1.08	0.76	0.91	0.70	0.81	1.23	1.22	1.12	1.13	1.29	1.32	1.40	1.28	1.14	1.19	1.01	0.82	1.06	0.82	0.74	1.10	0.78				
hr min	0.06	0.00	0.00	0.07	0.06	0.00	0.00	0.05	0.11	0.24	0.31	0.43	0.61	0.40	0.62	0.58	0.28	0.25	0.16	0.02	0.01	0.00	0.00	0.05				
average	0.31	0.34	0.32	0.30	0.33	0.30	0.33	0.37	0.49	0.63	0.73	0.86	0.98	1.00	0.99	0.95	0.78	0.60	0.37	0.33	0.30	0.33	0.37	0.33				

monthly max hr	monthly min hr	monthly ave hr
1.40	0.00	0.53
3/15/08	3/6/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	720
possible hours	744
data capture	96.8%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
degC
2mT

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
3/1/08	-1.3	-0.8	-1.4	-1.2	-1.7	-2.2	-3.5	-3.5	-1.5	0.7	3.1	5.6	7.9	9.5	11.0	11.2	11.2	7.4	4.5	2.9	1.4	0.7	0.5	0.2	24	11.2	-3.5	2.5
3/2/08	0.0	-0.2	-0.4	-0.2	0.6	1.1	1.2	0.7	0.1	0.3	0.6	1.3	1.8	2.4	3.3	3.1	1.9	0.1	-1.4	-2.9	-4.3	-5.4	-6.2	-7.7	24	3.3	-7.7	-0.4
3/3/08	-9.2	-10.7	-11.6	-12.2	-12.8	-13.6	-14.3	-14.3	-12.6	-10.8	-8.8	-6.8	-5.0	-2.6	-0.6	0.5	1.3	0.5	-2.2	-2.9	-3.1	-3.6	-2.7	-2.1	24	1.3	-14.3	-6.7
3/4/08	-1.8	-1.0	-1.0	-1.3	-1.2	-1.7	-1.4	-1.5	-0.2	1.8	4.2	7.2	9.6	9.5	9.0	8.1	6.2	5.0	2.2	0.0	-2.4	-5.3	-5.9	-6.8	24	9.6	-6.8	1.3
3/5/08	-8.1	-8.7	-8.8	-9.3	-10.9	-13.3	-14.8	-15.0	-14.2	-12.4	-10.5	-8.4	-6.0	-4.2	-2.7	-1.9	-1.7	-1.6	-3.0	-3.0	-2.4	-4.8	-8.6	-11.2	24	-1.6	-15.0	-7.7
3/6/08	-13.5	-13.3	-14.2	-13.7	-12.9	-12.5	-10.5	-10.1	-8.2	-7.5	-7.7	-9.2	-10.1	-9.6	-9.3	-9.9	-11.6	-13.4	-15.7	-18.3	-19.0	-19.9	-20.4	-21.1	24	-7.5	-21.1	-13.0
3/7/08	-21.3	-21.5	-21.6	-21.9	-22.2	-22.0	-22.1	-21.1	-17.2	-14.0	-11.7	-10.1	-8.4	-6.9	-6.0	-5.3	-5.6	-5.8	-6.8	-7.5	-8.3	-8.6	-8.4	-8.0	24	-5.3	-22.2	-13.0
3/8/08	-7.8	-7.6	-7.6	-7.6	-6.7	-5.9	-4.6	-2.9	-1.3	0.3	0.2	-0.4	-0.9	-2.5	-3.2	-2.5	-1.9	-1.7	-3.0	-3.1	-4.1	-8.2	-8.4	-6.3	24	0.3	-8.4	-4.1
3/9/08	-6.1	-6.1	-6.3	-6.9	-7.9	-8.4	-9.0	-9.4	-9.0	-8.3	-7.6	-6.3	-5.1	-3.9	-2.8	-2.4	-2.1	-2.6	-4.1	-6.4	-9.2	-9.6	-10.8	-10.2	24	-2.1	-10.8	-6.7
3/10/08	-9.8	-10.1	-9.5	-9.1	-9.3	-9.4	-9.3	-7.6	-2.0	2.9	6.4	9.5	10.8	11.9	12.9	13.5	13.8	12.9	7.5	4.6	3.5	2.9	0.9	-0.1	24	13.8	-10.1	1.6
3/11/08	2.5	4.2	2.7	3.0	1.2	-0.4	0.1	0.6	3.3	7.5	10.1	11.7	13.3	14.4	15.6	15.4	15.4	14.3	10.9	9.2	7.0	6.7	6.3	5.7	24	15.6	-0.4	7.5
3/12/08	5.3	7.7	7.4	5.4	4.2	4.5	4.2	4.1	4.9	4.7	5.5	7.2	10.5	11.6	10.9	11.2	11.8	10.4	7.5	7.1	5.2	5.3	3.4	1.6	24	11.8	1.6	6.7
3/13/08	0.6	-0.4	-0.3	-0.7	-3.1	-2.6	-2.5	-1.3	2.8	5.0	7.0	8.8	10.1	10.7	11.1	11.2	9.8	8.5	6.3	2.8	-0.9	-1.4	-2.3	-4.4	24	11.2	-4.4	3.1
3/14/08	-5.7	-6.5	-6.8	-6.8	-7.1	-8.2	-7.9	-6.8	-5.0	-4.2	-3.3	-2.8	-2.3	-1.9	-1.3	-0.4	-0.7	-0.8	-3.0	-4.6	-4.8	-6.6	-5.6	-8.0	24	-0.4	-8.2	-4.6
3/15/08	-9.8	-9.7	-9.7	-10.6	-11.7	-12.7	-13.2	-11.9	-8.1	-6.1	-4.4	-2.7	-1.4	-0.7	0.2	0.5	0.1	-0.6	-2.7	-6.6	-6.8	-6.6	-6.5	-7.0	24	0.5	-13.2	-6.2
3/16/08	-7.8	-8.9	-9.6	-10.2	-9.3	-9.0	-6.6	-5.3	-2.9	-0.2	2.4	4.7	5.6	6.3	5.7	4.3	1.9	2.1	1.4	0.9	0.3	0.2	0.0	0.4	24	6.3	-10.2	-1.4
3/17/08	-0.1	-0.8	-1.2	-1.5	-1.7	-2.3	-2.4	-1.8	-1.2	0.0	1.2	3.4	5.3	6.7	7.5	8.0	7.8	7.3	3.1	-1.5	-2.3	-3.6	-3.0	-4.0	24	8.0	-4.0	1.0
3/18/08	-4.0	-3.2	-3.0	-1.0	-2.2	-3.1	-3.3	-0.9	1.0	4.3	7.1	9.2	10.1	10.9	11.2	10.9	10.2	9.0	5.7	2.5	2.1	0.5	-0.9	-1.5	24	11.2	-4.0	3.0
3/19/08	-2.2	-1.8	-2.1	-2.0	-2.2	-2.5	-1.5	1.4	3.4	5.4	7.6	8.3	7.9	8.3	9.5	9.9	9.3	7.0	3.4	1.4	0.7	0.5	0.5	0.3	24	9.9	-2.5	2.9
3/20/08	-0.1	-0.7	-1.3	-1.7	-2.2	-2.6	-2.9	-3.1	-2.8	-2.2	-1.5	-0.7	0.1	0.5	1.3	1.7	0.9	0.3	0.1	0.0	-0.1	-0.6	-0.9	-1.3	24	1.7	-3.1	-0.8
3/21/08	-1.9	-2.2	-2.4	-2.3	-4.7	-4.7	-3.1	-2.7	-1.9	-1.5	-1.1	-0.5	-0.1	0.9	1.6	1.7	1.1	0.5	0.2	-1.3	-2.0	-3.1	-1.7	-2.2	24	1.7	-4.7	-1.4
3/22/08	-2.8	-2.2	-0.8	-0.6	-1.2	-1.6	-2.5	-2.5	-2.5	-2.0	-1.8	-1.1	0.4	1.1	1.8	2.0	1.5	1.0	-0.5	-1.8	-1.5	-3.1	-4.5	-5.2	24	2.0	-5.2	-1.3
3/23/08	-6.6	-7.0	-8.0	-8.9	-9.1	-8.3	-8.6	-8.8	-6.6	-5.4	-4.5	-3.6	-2.6	-1.3	0.0	1.1	1.1	0.1	-2.3	-5.0	-5.0	-5.4	-6.2	-6.3	24	1.1	-9.1	-4.9
3/24/08	-6.3	-5.9	-5.4	-5.2	-5.1	-4.9	-4.3	-3.5	-2.2	-0.3	2.9	6.1	9.2	11.5	13.7	15.4	16.1	14.9	11.6	9.6	9.2	8.9	7.2	5.4	24	16.1	-6.3	4.1
3/25/08	4.3	3.3	1.5	1.4	0.9	0.4	-0.1	0.8	2.0	2.7	2.6	3.0	4.1	5.5	6.5	7.0	7.3	7.0	5.7	1.9	0.0	-1.6	-3.5	-2.6	24	7.3	-3.5	2.5
3/26/08	-3.2	-2.5	-2.8	-3.6	-4.8	-5.7	-5.9	-2.5	1.2	3.7	5.1	6.1	6.8	6.7	6.0	5.0	3.5	1.1	-0.5	-0.7	-0.9	-1.1	-1.2	-1.9	24	6.8	-5.9	0.3
3/27/08	-2.4	-2.6	-2.8	-3.0	-3.3	-3.6	-4.6	-4.5	-4.0	-3.3	-2.8	-1.8	-1.4	-1.5	-1.4	-1.1	-0.9	-1.1	-3.2	-5.3	-6.6	-7.5	-7.6	-8.0	24	-0.9	-8.0	-3.5
3/28/08	-8.0	-6.7	-7.7	-8.1	-6.2	-5.4	-4.6	-4.3	-3.5	-2.6	-1.9	-1.0	0.1	0.8	1.3	1.5	1.4	1.2	0.6	-0.7	-0.7	-1.2	-2.4	-3.1	24	1.5	-8.1	-2.6
3/29/08	-2.5	-2.2	-0.2	0.4	0.6	1.2	1.6	1.3	2.3	3.4	3.8	4.6	7.2	8.9	10.4	11.6	13.1	10.5	8.7	8.0	6.0	5.2	4.0	2.3	24	13.1	-2.5	4.6
3/30/08	1.5	0.7	-0.5	-1.4	-1.5	-0.7	-0.9	-1.1	-1.2	-1.1	-0.7	0.0	1.4	2.7	3.1	3.5	3.3	3.0	2.2	0.7	0.3	-0.2	-0.7	-0.7	24	3.5	-1.5	0.5
3/31/08	-0.9	-1.7	-1.8	-1.8	-1.8	-2.0	-2.3	-2.2	-1.9	-1.5	-1.2	-0.9	-0.8	-0.9	-0.8	-0.7	-1.0	-1.3	-1.8	-2.2	-2.6	-2.4	-2.6	-3.2	24	-0.7	-3.2	-1.7
hr max	5.3	7.7	7.4	5.4	4.2	4.5	4.2	4.1	4.9	7.5	10.1	11.7	13.3	14.4	15.6	15.4	16.1	14.9	11.6	9.6	9.2	8.9	7.2	5.7				
hr min	-21.3	-21.5	-21.6	-21.9	-22.2	-22.0	-22.1	-21.1	-17.2	-14.0	-11.7	-10.1	-10.1	-9.6	-9.3	-9.9	-11.6	-13.4	-15.7	-18.3	-19.0	-19.9	-20.4	-21.1				
average	-4.2	-4.2	-4.4	-4.6	-5.0	-5.2	-5.1	-4.5	-2.9	-1.3	0.0	1.3	2.5	3.4	4.0	4.3	4.0	3.1	1.0	-0.7	-1.7	-2.5	-3.2	-3.8				

monthly	monthly	monthly
max hr	min hr	ave hr
16.1	-22.2	-1.2
3/24/08	3/7/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
degC
10mT

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
3/1/08	-1.1	-0.6	-1.1	-0.9	-1.4	-1.9	-3.0	-3.2	-1.8	0.1	2.2	4.6	6.9	8.6	10.1	10.5	10.5	7.6	4.8	3.0	1.5	0.7	0.6	0.3
3/2/08	0.2	0.0	-0.3	-0.1	0.7	1.2	1.3	0.7	0.1	0.3	0.5	1.2	1.6	2.1	2.9	2.8	1.8	0.1	-1.2	-2.6	-3.9	-5.1	-6.0	-7.5
3/3/08	-9.1	-10.5	-11.5	-12.0	-12.7	-13.4	-14.0	-14.2	-13.3	-11.8	-10.0	-7.9	-6.1	-3.7	-1.6	-0.5	0.7	0.5	-1.7	-2.5	-2.8	-3.4	-2.7	-2.1
3/4/08	-1.8	-1.0	-1.0	-1.1	-1.1	-1.4	-1.2	-1.4	-0.4	1.4	3.7	6.4	8.4	8.5	8.2	7.8	6.2	5.1	2.2	-0.1	-2.5	-5.5	-6.0	-6.9
3/5/08	-8.2	-8.8	-8.9	-9.5	-11.0	-13.3	-14.7	-15.0	-14.6	-13.3	-11.8	-9.9	-7.6	-5.8	-4.2	-3.0	-2.5	-1.8	-2.6	-2.7	-2.3	-4.6	-8.3	-10.5
3/6/08	-11.5	-11.5	-12.4	-13.3	-12.6	-12.2	-10.3	-10.1	-8.5	-8.1	-8.5	-10.2	-11.1	-10.8	-10.6	-10.9	-12.3	-13.7	-15.3	-17.1	-18.2	-18.5	-19.2	-19.5
3/7/08	-20.3	-20.2	-20.6	-21.2	-21.3	-20.9	-21.2	-20.8	-17.9	-15.1	-13.0	-11.5	-9.8	-8.3	-7.1	-6.3	-6.1	-6.0	-6.7	-7.4	-8.2	-8.6	-8.5	-8.0
3/8/08	-7.7	-7.6	-7.6	-7.7	-6.7	-5.4	-4.4	-2.8	-1.4	0.1	0.0	-0.6	-1.2	-2.8	-3.5	-2.9	-2.3	-1.9	-2.7	-2.9	-3.7	-6.6	-6.4	-6.0
3/9/08	-6.0	-6.1	-6.3	-6.9	-8.0	-8.5	-9.0	-9.5	-9.4	-8.9	-8.4	-7.4	-6.2	-5.1	-4.2	-3.5	-2.9	-2.8	-3.4	-4.2	-4.5	-5.1	-6.8	-8.9
3/10/08	-9.1	-9.4	-8.8	-8.5	-8.8	-8.7	-8.3	-6.9	-2.3	2.2	5.5	8.4	9.8	10.8	11.9	12.8	13.4	13.1	10.5	7.4	5.5	4.7	4.1	2.7
3/11/08	4.6	7.3	5.1	4.5	2.9	1.6	1.5	1.4	3.3	6.9	9.7	11.2	12.5	13.4	14.9	15.1	15.3	14.8	13.0	10.3	7.8	7.3	6.9	7.2
3/12/08	7.2	9.0	10.5	9.3	7.7	5.5	4.6	4.3	5.2	4.8	5.5	6.8	9.4	10.4	9.9	10.4	11.5	10.7	8.6	8.0	6.2	5.9	4.4	2.8
3/13/08	1.9	0.8	0.9	0.2	-2.4	-1.9	-1.8	-1.0	2.4			7.5	8.6	9.4	10.0	10.2	9.2	8.3	6.8	5.1	2.3	1.0	-1.0	-2.8
3/14/08	-3.3	-3.5	-3.8	-5.1	-6.0	-6.9	-7.0	-6.8	-5.4	-4.7	-4.0	-3.6	-3.2	-2.8	-2.2	-1.5	-1.2	-1.2	-2.1	-2.7	-3.4	-3.6	-3.8	-4.7
3/15/08	-8.1	-8.9	-8.5	-8.7	-10.0	-10.7	-11.6	-11.6	-8.6	-7.0	-5.5	-3.8	-2.6	-1.7	-0.8	-0.4	-0.5	-0.9	-2.2	-4.6	-5.8	-5.9	-5.9	-6.3
3/16/08	-7.3	-8.0	-8.5	-9.3	-8.7	-8.4	-6.4	-5.3	-3.2	-0.9	1.5	3.5	4.6	5.4	5.2	3.9	1.6	1.9	1.5	0.9	0.3	0.2	0.0	0.4
3/17/08	-0.2	-0.8	-1.2	-1.6	-1.8	-2.1	-2.3	-1.9	-1.4	-0.5	0.5	2.5	4.4	5.7	6.6	7.1	7.3	7.1	4.9	1.3	-0.1	-1.5	-2.3	-2.9
3/18/08	-2.2	-2.4	-2.6	-0.1	-1.0	-1.6	-2.4	-0.8	0.6	3.3	6.0	7.8	8.7	9.6	10.1	10.2	9.7	8.6	6.6	5.5	4.4	3.1	2.2	0.7
3/19/08	0.1	0.2	-0.3	-0.1	-0.3	0.0	0.3	1.7	3.2	4.9	6.9	7.7	7.2	7.4	8.5	9.0	8.5	6.8	3.4	1.3	0.7	0.4	0.4	0.2
3/20/08	-0.2	-0.7	-1.4	-1.8	-2.3	-2.7	-3.0	-3.2	-3.0	-2.5	-1.7	-1.0	-0.1	0.4	1.1	1.6	0.8	0.2	0.1	0.0	-0.2	-0.7	-1.0	-1.4
3/21/08	-2.0	-2.3	-2.4	-2.3	-3.4	-4.5	-3.1	-2.8	-2.2	-1.8	-1.6	-1.0	-0.6	0.2	0.9	1.1	0.7	0.4	0.3	-0.2	-0.6	-1.2	-1.4	-2.0
3/22/08	-2.6	-1.8	-0.7	-0.6	-1.2	-1.6	-2.5	-2.6	-2.6	-2.2	-2.2	-1.6	-0.4	0.2	0.8	1.1	0.9	0.8	-0.5	-1.6	-1.6	-2.0	-3.6	-4.5
3/23/08	-5.6	-6.0	-7.3	-8.2	-8.5	-8.1	-8.2	-8.8	-7.3	-6.3	-5.5	-4.5	-3.5	-2.1	-0.8	0.3	0.3	-0.3	-2.0	-4.4	-4.6	-5.1	-5.9	-6.1
3/24/08	-6.1	-5.8	-5.3	-5.0	-4.9	-4.7	-4.1	-3.6	-2.4	-0.9	1.9	4.9	7.8	10.2	12.6	14.5	15.6	15.0	12.1	10.3	10.0	9.4	7.7	5.9
3/25/08	4.6	3.8	2.1	1.9	1.3	0.8	0.3	0.8	1.6	1.9	1.6	1.7	2.5	3.8	4.9	5.8	6.4	6.6	6.2	4.9	4.0	0.2	-1.2	1.2
3/26/08	1.8	2.5	1.7	1.1	-0.2	-1.8	-1.8	-0.9	0.8	3.0	4.1	5.0	5.6	5.6	5.4	4.7	3.4	1.0	-0.5	-0.8	-0.9	-1.1	-1.3	-2.0
3/27/08	-2.4	-2.6	-2.8	-3.0	-3.3	-3.5	-4.2	-4.5	-4.3	-3.7	-3.3	-2.3	-2.1	-2.2	-2.0	-1.7	-1.4	-1.3	-2.6	-3.9	-4.2	-4.2	-4.3	-4.4
3/28/08	-4.8	-4.7	-5.8	-6.3	-6.0	-5.4	-4.6	-4.4	-3.8	-3.1	-2.5	-1.5	-0.5	0.2	0.7	0.9	1.0	1.1	0.8	-0.3	-0.5	-1.0	-1.9	-2.6
3/29/08	-2.1	-1.8	0.0	0.5	0.7	1.3	1.7	1.4	2.2	3.2	3.6	4.3	6.7	8.1	10.2	11.4	13.0	11.1	9.8	8.8	6.7	6.0	4.8	3.0
3/30/08	2.1	1.1	-0.2	-1.1	-1.3	-0.5	-0.7	-1.1	-1.4	-1.5	-1.3	-1.0	0.1	1.5	2.3	2.8	2.8	2.7	2.3	1.2	0.6	0.2	-0.1	0.0
3/31/08	-0.9	-1.8	-1.9	-1.8	-1.8	-2.1	-2.3	-2.3	-2.1	-1.9	-1.7	-1.5	-1.4	-1.5	-1.5	-1.3	-1.4	-1.6	-1.9	-2.3	-2.5	-2.3	-2.5	-3.0
hr max	7.2	9.0	10.5	9.3	7.7	5.5	4.6	4.3	5.2	6.9	9.7	11.2	12.5	13.4	14.9	15.1	15.6	15.0	13.0	10.3	10.0	9.4	7.7	7.2
hr min	-20.3	-20.2	-20.6	-21.2	-21.3	-20.9	-21.2	-20.8	-17.9	-15.1	-13.0	-11.5	-11.1	-10.8	-10.6	-10.9	-12.3	-13.7	-15.3	-17.1	-18.2	-18.5	-19.2	-19.5
average	-3.2	-3.3	-3.6	-3.8	-4.3	-4.6	-4.6	-4.4	-3.2	-2.1	-0.9	0.5	1.6	2.4	3.2	3.6	3.5	3.0	1.6	0.2	-0.7	-1.5	-2.2	-2.8

valid hr count	daily max hr	daily min hr	daily ave hr
24	10.5	-3.2	2.4
24	2.9	-7.5	-0.4
24	0.7	-14.2	-6.9
24	8.5	-6.9	1.1
24	-1.8	-15.0	-8.1
24	-8.1	-19.5	-12.8
24	-6.0	-21.3	-13.1
24	0.1	-7.7	-3.9
24	-2.8	-9.5	-6.3
24	13.4	-9.4	2.2
24	15.3	1.4	8.3
24	11.5	2.8	7.4
22	10.2	-2.8	3.4
24	-1.2	-7.0	-3.9
24	-0.4	-11.6	-5.9
24	5.4	-9.3	-1.5
24	7.3	-2.9	1.1
24	10.2	-2.6	3.5
24	9.0	-0.3	3.3
24	1.6	-3.2	-0.9
24	1.1	-4.5	-1.3
24	1.1	-4.5	-1.4
24	0.3	-8.8	-4.9
24	15.6	-6.1	4.0
24	6.6	-1.2	2.8
24	5.6	-2.0	1.4
24	-1.3	-4.5	-3.1
24	1.1	-6.3	-2.3
24	13.0	-2.1	4.8
24	2.8	-1.5	0.4
24	-0.9	-3.0	-1.9

monthly max hr	monthly min hr	monthly ave hr
15.6	-21.3	-1.1
3/24/08	3/7/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
degC
50mT

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
3/1/08	-0.9	-0.4	-0.8	-0.7	-1.2	-1.8	-2.8	-3.1	-2.2	-0.6	1.5	3.8	6.1	7.8	9.3	9.7	9.7	7.4	4.9	2.9	1.2	0.5	0.5	0.2
3/2/08	0.2	0.7	-0.4	-0.3	0.4	0.9	1.0	0.4	-0.3	-0.1	0.1	0.8	1.1	1.5	2.2	2.2	1.3	-0.3	-1.5	-2.8	-4.1	-5.3	-6.2	-7.8
3/3/08	-9.4	-10.9	-11.8	-12.4	-13.1	-13.8	-14.3	-14.6	-13.9	-12.5	-10.7	-8.7	-6.9	-4.5	-2.3	-1.3	0.0	0.2	-0.7	-0.7	-2.0	-2.8	-2.5	-2.2
3/4/08	-1.8	-1.2	-1.1	-1.1	-0.8	-0.5	-0.4	-0.6	-0.6	0.9	3.1	5.8	7.6	7.8	7.5	7.3	5.9	4.8	1.8	-0.4	-2.9	-6.0	-6.5	-7.4
3/5/08	-8.7	-9.4	-9.4	-10.0	-11.6	-13.8	-15.1	-15.5	-15.3	-14.1	-12.7	-10.9	-8.6	-6.8	-5.1	-3.8	-3.1	-2.3	-1.9	-1.6	-2.6	-4.9	-8.4	-10.0
3/6/08	-10.4	-10.1	-9.8	-9.7	-10.4	-9.6	-9.7	-9.7	-8.8	-8.7	-9.3	-11.2	-12.0	-11.7	-11.5	-11.8	-13.1	-14.2	-15.3	-16.3	-17.3	-17.9	-17.9	-18.6
3/7/08	-18.9	-19.0	-19.1	-19.3	-19.1	-18.4	-18.1	-18.2	-18.2	-15.6	-13.8	-12.4	-10.8	-9.3	-8.1	-7.2	-6.8	-6.6	-7.0	-7.6	-8.4	-8.8	-8.8	-8.4
3/8/08	-8.0	-7.8	-7.5	-7.3	-6.1	-4.6	-3.6	-2.7	-1.6	-0.3	-0.5	-1.1	-1.8	-3.3	-4.1	-3.5	-3.0	-2.3	-2.6	-3.0	-3.9	-5.2	-5.5	-5.9
3/9/08	-6.1	-6.3	-6.6	-7.3	-8.4	-8.9	-9.4	-9.9	-10.0	-9.6	-9.1	-8.1	-7.1	-6.0	-5.0	-4.2	-3.6	-3.4	-3.4	-3.8	-4.2	-4.3	-4.4	-6.4
3/10/08	-5.7	-4.7	-4.0	-3.6	-3.3	-0.8	0.8	0.7	1.1	1.8	4.9	7.6	8.9	10.0	11.1	12.1	12.8	12.9	12.5	12.0	11.5	10.6	10.5	9.6
3/11/08	10.4	10.7	9.0	7.1	6.3	5.1	4.5	4.6	5.1	6.6	9.3	10.7	11.8	12.7	14.3	14.6	15.0	14.8	14.9	13.6	11.8	12.9	11.3	10.9
3/12/08	10.5	13.7	14.9	14.8	13.2	8.1	5.0	4.5	5.0	4.6	5.2	6.2	8.6	9.4	9.0	9.6	10.9	10.5	9.7	9.0	8.9	7.4	6.8	5.0
3/13/08	4.3	4.0	4.6	3.5	2.8	2.9	2.8	3.3	2.9			6.7	7.7	8.5	9.1	9.4	8.5	7.8	7.1	6.2	5.7	3.4	0.2	-1.7
3/14/08	-1.8	-2.2	-3.5	-3.2	-4.2	-5.5	-6.2	-6.7	-5.9	-5.4	-4.7	-4.3	-4.0	-3.6	-2.9	-2.3	-1.9	-1.7	-2.1	-2.4	-2.5	-2.9	-3.0	-3.2
3/15/08	-5.9	-7.0	-7.4	-8.0	-8.6	-8.9	-9.7	-10.6	-9.1	-7.7	-6.3	-4.6	-3.4	-2.5	-1.7	-1.1	-1.1	-1.3	-2.1	-2.9	-3.6	-4.1	-4.6	-5.7
3/16/08	-6.6	-6.8	-7.2	-7.4	-5.1	-5.7	-5.7	-5.1	-3.7	-1.6	0.5	2.5	3.6	4.5	4.5	3.2	1.1	1.4	1.2	0.6	0.0	-0.2	-0.3	0.1
3/17/08	-0.6	-1.2	-1.6	-2.0	-2.2	-2.3	-2.4	-2.3	-1.9	-1.1	-0.1	1.8	3.7	5.0	5.8	6.4	6.7	6.7	5.6	4.3	3.6	2.7	1.5	0.8
3/18/08	1.6	0.7	1.7	1.2	1.5	1.5	1.7	0.5	0.2	2.6	5.1	6.9	7.8	8.7	9.3	9.6	9.0	8.1	6.9	5.8	5.3	4.9	4.7	5.0
3/19/08	4.9	4.8	4.9	5.0	4.9	6.4	5.1	3.0	3.3	4.4	6.3	7.0	6.6	6.6	7.8	8.3	7.7	6.2	3.1	0.8	0.3	0.0	0.0	-0.1
3/20/08	-0.6	-1.1	-1.8	-2.2	-2.8	-3.2	-3.5	-3.6	-3.4	-2.9	-2.3	-1.6	-0.6	0.1	0.7	1.2	0.5	0.0	-0.1	-0.2	-0.5	-1.1	-1.4	-1.8
3/21/08	-2.3	-2.7	-2.8	-2.6	-2.8	-4.3	-3.4	-3.2	-2.5	-2.2	-2.0	-1.5	-1.2	-0.5	-0.1	0.3	0.0	-0.1	-0.1	-0.1	-0.4	-0.4	-0.5	-0.7
3/22/08	-1.1	-1.7	-0.9	-1.0	-1.6	-2.0	-2.9	-3.0	-3.0	-2.8	-2.8	-2.3	-1.2	-0.6	-0.1	0.3	0.3	0.3	-0.8	-1.4	-1.9	-2.0	-2.5	-3.9
3/23/08	-4.3	-5.3	-6.4	-6.9	-7.7	-7.4	-8.0	-8.9	-7.9	-7.1	-6.3	-5.3	-4.2	-2.8	-1.5	-0.4	-0.4	-0.9	-2.2	-3.0	-3.6	-4.7	-5.2	-5.6
3/24/08	-5.9	-5.7	-5.2	-5.1	-4.9	-4.7	-4.2	-4.0	-3.0	-1.7	0.9	3.9	6.8	9.2	11.6	13.7	15.1	14.7	12.3	11.3	11.2	9.7	7.9	6.2
3/25/08	4.6	3.9	2.7	2.2	1.5	1.0	0.5	0.6	1.0	1.1	0.7	0.7	1.6	2.7	4.0	5.0	5.7	6.1	5.9	5.6	5.5	3.0	3.2	3.0
3/26/08	3.9	3.6	2.5	1.7	1.1	0.5	0.4	0.9	1.0	2.3	3.3	4.2	4.7	4.7	4.6	4.1	2.9	0.6	-0.9	-1.1	-1.2	-1.4	-1.6	-2.3
3/27/08	-2.8	-2.9	-3.1	-3.3	-3.5	-3.7	-4.1	-4.4	-4.6	-4.1	-3.8	-2.8	-2.6	-2.7	-2.6	-2.3	-1.9	-1.7	-2.1	-2.5	-2.8	-2.8	-3.2	-2.5
3/28/08	-2.3	-2.2	-2.3	-3.3	-3.8	-4.6	-4.8	-4.8	-4.3	-3.7	-3.2	-2.2	-1.2	-0.5	-0.1	0.2	0.3	0.6	0.8	1.0	1.0	0.4	-0.1	-0.5
3/29/08	-0.3	-0.7	0.5	0.5	0.7	1.3	1.7	1.3	1.9	2.8	3.2	3.9	6.1	7.5	9.8	11.0	12.6	11.7	11.0	9.4	7.1	6.3	5.1	3.4
3/30/08	3.0	1.3	-0.3	-1.1	-1.4	-0.8	-0.9	-1.4	-1.8	-2.1	-2.0	-1.6	-0.7	0.6	1.6	2.1	2.2	2.3	1.9	1.5	1.3	0.9	0.6	0.3
3/31/08	-1.2	-2.1	-2.1	-2.1	-2.1	-2.4	-2.8	-2.8	-2.6	-2.5	-2.4	-2.2	-2.1	-2.3	-2.4	-2.0	-2.0	-2.1	-2.4	-2.6	-2.6	-2.4	-2.7	-2.9
hr max	10.5	13.7	14.9	14.8	13.2	8.1	5.1	4.6	5.1	6.6	9.3	10.7	11.8	12.7	14.3	14.6	15.1	14.8	14.9	13.6	11.8	12.9	11.3	10.9
hr min	-18.9	-19.0	-19.1	-19.3	-19.1	-18.4	-18.1	-18.2	-18.2	-15.6	-13.8	-12.4	-12.0	-11.7	-11.5	-11.8	-13.1	-14.2	-15.3	-16.3	-17.3	-17.9	-17.9	-18.6
average	-2.0	-2.2	-2.4	-2.7	-3.0	-3.2	-3.5	-3.7	-3.3	-2.6	-1.6	-0.3	0.8	1.6	2.4	2.9	2.9	2.6	1.8	1.0	0.3	-0.5	-1.1	-1.7

valid hr count	daily max hr	daily min hr	daily ave hr
24	9.7	-3.1	2.1
24	2.2	-7.8	-0.7
24	0.2	-14.6	-7.2
24	7.8	-7.4	0.9
24	-1.6	-15.5	-8.6
24	-8.7	-18.6	-12.3
24	-6.6	-19.3	-12.8
24	-0.3	-8.0	-4.0
24	-3.4	-10.0	-6.5
24	12.9	-5.7	5.4
24	15.0	4.5	10.3
24	14.9	4.5	8.8
22	9.4	-1.7	5.0
24	-1.7	-6.7	-3.6
24	-1.1	-10.6	-5.3
24	4.5	-7.4	-1.3
24	6.7	-2.4	1.5
24	9.6	0.2	4.6
24	8.3	-0.1	4.5
24	1.2	-3.6	-1.3
24	0.3	-4.3	-1.5
24	0.3	-3.9	-1.6
24	-0.4	-8.9	-4.8
24	15.1	-5.9	3.8
24	6.1	0.5	3.0
24	4.7	-2.3	1.6
24	-1.7	-4.6	-3.0
24	1.0	-4.8	-1.7
24	12.6	-0.7	4.9
24	3.0	-2.1	0.2
24	-1.2	-2.9	-2.3

monthly max hr	monthly min hr	monthly ave hr
15.1	-19.3	-0.7
3/24/08	3/7/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
degC
100mT

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
3/1/08	0.2	1.0	0.5	0.3	-0.4	0.3	-1.9	-2.3	-2.5	-1.1	1.0	3.3	5.6	7.3	8.8	9.2	9.2	7.1	4.9	2.7	1.1	0.6	0.8	0.5	24	9.2	-2.5	2.3
3/2/08	0.1	1.1	0.2	-0.1	0.1	0.5	0.6	0.0	-0.7	-0.6	-0.4	0.3	0.6	0.9	1.7	1.7	0.8	-0.8	-1.9	-3.1	-4.4	-5.6	-6.6	-8.2	24	1.7	-8.2	-1.0
3/3/08	-9.8	-11.4	-12.2	-12.8	-13.6	-14.2	-14.7	-15.0	-14.5	-13.0	-11.2	-9.3	-7.5	-5.0	-2.9	-1.9	-0.5	-0.2	-0.8	-0.7	-0.3	-0.4	-1.1	-1.9	24	-0.2	-15.0	-7.3
3/4/08	-1.4	-1.2	-1.1	-0.8	-0.6	-0.1	0.5	1.5	1.6	1.8	2.7	5.2	7.0	7.2	7.0	6.8	5.4	4.3	1.4	-0.8	-3.4	-6.5	-7.0	-8.0	24	7.2	-8.0	0.9
3/5/08	-9.1	-9.8	-9.9	-10.5	-12.1	-14.2	-15.5	-16.0	-15.8	-14.6	-13.3	-11.5	-9.2	-7.4	-5.6	-4.5	-3.7	-2.8	-2.1	-1.6	-3.0	-5.3	-8.6	-10.1	24	-1.6	-16.0	-9.0
3/6/08	-10.4	-9.8	-9.5	-8.9	-9.0	-7.8	-8.5	-9.2	-9.0	-9.1	-9.8	-11.7	-12.5	-12.3	-12.1	-12.4	-13.6	-14.7	-15.7	-16.7	-17.3	-17.9	-18.2	-18.7	24	-7.8	-18.7	-12.3
3/7/08	-18.8	-18.9	-18.9	-19.0	-18.6	-18.2	-17.7	-17.4	-17.5	-16.2	-14.4	-13.0	-11.4	-9.9	-8.7	-7.8	-7.4	-7.2	-7.4	-7.8	-8.5	-9.0	-9.0	-8.6	24	-7.2	-19.0	-13.0
3/8/08	-8.2	-7.8	-6.7	-5.6	-4.2	-2.6	-1.9	-2.1	-1.6	-0.7	-1.0	-1.6	-2.3	-3.8	-4.7	-4.0	-3.5	-2.8	-3.0	-3.3	-4.2	-5.4	-5.7	-6.2	24	-0.7	-8.2	-3.9
3/9/08	-6.4	-6.7	-6.9	-7.8	-8.7	-9.4	-9.9	-10.4	-10.5	-10.1	-9.6	-8.7	-7.6	-6.5	-5.6	-4.8	-4.1	-3.9	-3.9	-4.1	-4.5	-4.5	-4.6	-5.4	24	-3.9	-10.5	-6.9
3/10/08	-4.7	-4.3	-3.7	-1.6	0.2	1.5	3.0	3.6	4.1	4.1	4.7	7.0	8.3	9.4	10.5	11.5	12.2	12.5	12.3	12.0	11.8	11.9	13.0	12.1	24	13.0	-4.7	6.3
3/11/08	11.4	10.9	9.2	8.2	7.9	6.4	5.9	7.6	8.7	8.1	8.9	10.2	11.2	12.1	13.8	14.1	14.5	14.7	15.0	13.9	13.2	14.0	14.0	14.2	24	15.0	5.9	11.2
3/12/08	13.8	15.0	14.9	14.7	13.8	9.2	5.3	4.8	4.9	4.6	4.9	5.7	8.0	8.8	8.4	9.0	10.4	10.2	9.8	9.2	9.2	8.1	7.3	5.3	24	15.0	4.6	9.0
3/13/08	5.3	5.1	4.7	4.3	3.7	3.8	4.1	4.8	4.2			6.0	7.0	7.9	8.5	8.8	7.9	7.3	6.8	6.4	5.5	3.9	0.8	-1.4	22	8.8	-1.4	5.2
3/14/08	-1.6	-2.1	-3.2	-3.2	-4.0	-4.8	-6.1	-6.4	-6.1	-5.9	-5.2	-4.9	-4.5	-4.1	-3.4	-2.8	-2.4	-2.2	-2.5	-2.7	-2.6	-2.8	-2.9	-3.0	24	-1.6	-6.4	-3.7
3/15/08	-4.7	-5.9	-6.2	-6.9	-7.5	-8.1	-9.0	-9.4	-9.3	-8.2	-6.9	-5.3	-4.1	-3.0	-2.2	-1.7	-1.6	-1.8	-2.5	-3.1	-3.6	-3.8	-3.9	-4.7	24	-1.6	-9.4	-5.1
3/16/08	-4.5	-4.3	-4.0	-3.9	-3.6	-3.8	-3.3	-2.9	-3.2	-2.1	0.0	1.9	3.0	4.0	4.0	2.7	0.6	1.0	0.9	0.2	-0.4	-0.6	-0.7	-0.3	24	4.0	-4.5	-0.8
3/17/08	-1.0	-1.7	-2.0	-2.4	-2.6	-2.6	-2.7	-2.6	-2.4	-1.7	-0.7	1.3	3.2	4.4	5.2	5.8	6.2	6.2	5.2	4.1	3.5	3.2	2.6	2.4	24	6.2	-2.7	1.3
3/18/08	2.7	2.0	2.7	2.0	2.1	2.4	2.5	1.9	0.5	2.3	4.6	6.3	7.3	8.1	8.7	9.0	8.5	7.6	6.7	5.8	5.4	5.1	5.2	5.4	24	9.0	0.5	4.8
3/19/08	5.0	5.2	5.7	5.7	6.0	6.6	6.2	5.6	6.0	4.3	5.7	6.5	6.1	6.1	7.2	7.6	7.1	5.7	2.6	0.4	-0.2	-0.4	-0.3	-0.4	24	7.6	-0.4	4.6
3/20/08	-0.9	-1.7	-2.3	-2.6	-3.2	-3.6	-3.8	-3.9	-3.7	-3.2	-2.6	-1.9	-1.0	-0.2	0.3	0.7	0.1	-0.2	-0.4	-0.4	-0.8	-1.3	-1.7	-2.1	24	0.7	-3.9	-1.7
3/21/08	-2.7	-3.0	-2.9	-2.4	-2.6	-3.9	-3.7	-3.4	-2.8	-2.5	-2.3	-1.9	-1.6	-0.9	-0.4	-0.3	-0.6	-0.9	-0.9	-1.0	-1.0	-0.8	-0.7	-0.5	24	-0.3	-3.9	-1.8
3/22/08	-0.7	-1.5	-1.2	-1.4	-2.0	-2.4	-3.3	-3.4	-3.5	-3.3	-3.4	-2.8	-1.7	-1.1	-0.6	-0.2	-0.3	-0.2	-1.2	-1.6	-2.2	-2.3	-2.7	-3.9	24	-0.2	-3.9	-2.0
3/23/08	-4.5	-5.4	-6.1	-6.5	-6.9	-6.8	-8.0	-8.3	-8.2	-7.6	-6.9	-5.9	-4.8	-3.4	-2.1	-1.0	-0.9	-1.4	-2.3	-2.5	-2.8	-3.0	-2.6	-3.8	24	-0.9	-8.3	-4.7
3/24/08	-5.1	-5.3	-5.0	-4.9	-4.5	-4.4	-4.3	-4.4	-3.5	-2.2	0.3	3.2	6.2	8.7	11.0	13.1	14.5	14.3	12.1	11.6	11.2	9.4	7.7	6.1	24	14.5	-5.3	3.6
3/25/08	4.5	3.8	3.1	2.4	1.7	1.0	0.6	0.3	0.5	0.5	0.1	0.1	0.9	2.1	3.4	4.5	5.2	5.5	5.5	5.3	5.4	4.2	4.1	3.6	24	5.5	0.1	2.8
3/26/08	4.0	3.4	2.2	1.4	1.1	0.5	0.4	0.8	1.0	1.8	2.8	3.6	4.0	4.1	4.0	3.6	2.4	0.2	-1.2	-1.4	-1.5	-1.7	-1.9	-2.7	24	4.1	-2.7	1.3
3/27/08	-3.1	-3.3	-3.5	-3.7	-3.8	-4.0	-4.4	-4.6	-4.4	-4.5	-4.3	-3.4	-3.2	-3.3	-3.1	-2.7	-2.4	-2.1	-2.0	-2.5	-2.8	-2.7	-3.0	-2.4	24	-2.0	-4.6	-3.3
3/28/08	-2.2	-2.1	-2.3	-3.1	-3.5	-3.5	-3.9	-3.8	-4.3	-4.1	-3.7	-2.7	-1.7	-1.0	-0.6	-0.3	-0.2	0.2	0.7	1.2	1.9	2.6	2.4	1.1	24	2.6	-4.3	-1.4
3/29/08	1.2	1.2	1.5	0.7	0.8	1.2	1.5	1.1	1.7	2.5	2.9	3.6	5.8	7.4	9.6	10.8	12.3	11.8	11.2	9.5	7.1	6.2	5.1	3.8	24	12.3	0.7	5.0
3/30/08	4.0	1.2	-0.4	-1.1	-1.6	-1.1	-1.2	-1.8	-2.3	-2.7	-2.5	-2.1	-1.2	0.1	1.0	1.5	1.7	1.8	1.5	1.1	0.9	0.5	0.3	0.1	24	4.0	-2.7	-0.1
3/31/08	-1.5	-2.4	-2.4	-2.4	-2.4	-2.8	-3.1	-3.2	-3.1	-3.1	-3.0	-2.7	-2.6	-2.9	-2.9	-2.6	-2.5	-2.6	-2.8	-3.0	-2.9	-2.6	-3.0	-3.1	24	-1.5	-3.2	-2.7
hr max	13.8	15.0	14.9	14.7	13.8	9.2	6.2	7.6	8.7	8.1	8.9	10.2	11.2	12.1	13.8	14.1	14.5	14.7	15.0	13.9	13.2	14.0	14.0	14.2				
hr min	-18.8	-18.9	-18.9	-19.0	-18.6	-18.2	-17.7	-17.4	-17.5	-16.2	-14.4	-13.0	-12.5	-12.3	-12.1	-12.4	-13.6	-14.7	-15.7	-16.7	-17.3	-17.9	-18.2	-18.7				
average	-1.6	-1.9	-2.1	-2.3	-2.5	-2.7	-3.1	-3.2	-3.1	-2.9	-2.1	-0.8	0.2	1.1	1.9	2.4	2.4	2.1	1.5	0.9	0.3	-0.2	-0.7	-1.3				

monthly max hr	monthly min hr	monthly ave hr
15.0	-19.0	-0.7
3/11/08	3/7/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
degC
10-2

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
3/1/08	0.23	0.19	0.30	0.30	0.32	0.28	0.47	0.28	-0.27	-0.61	-0.89	-1.05	-1.05	-0.90	-0.90	-0.70	-0.70	0.19	0.30	0.13	0.06	0.03	0.06	0.12
3/2/08	0.17	0.19	0.07	0.12	0.07	0.07	0.09	0.05	0.00	-0.03	-0.08	-0.10	-0.18	-0.33	-0.37	-0.27	-0.12	0.00	0.15	0.30	0.33	0.31	0.25	0.21
3/3/08	0.16	0.14	0.17	0.16	0.11	0.20	0.27	0.05	-0.63	-1.04	-1.12	-1.08	-1.12	-1.12	-0.99	-0.96	-0.62	0.08	0.50	0.43	0.24	0.18	0.05	0.01
3/4/08	0.02	0.04	0.05	0.12	0.13	0.25	0.16	0.17	-0.18	-0.35	-0.49	-0.79	-1.20	-1.00	-0.71	-0.21	0.02	0.06	0.01	-0.06	-0.08	-0.13	-0.11	-0.11
3/5/08	-0.07	-0.11	-0.11	-0.15	-0.16	0.00	0.12	-0.05	-0.46	-0.94	-1.30	-1.50	-1.56	-1.60	-1.43	-1.14	-0.77	-0.17	0.32	0.28	0.05	0.17	0.34	0.69
3/6/08	1.94	1.76	1.76	0.41	0.28	0.30	0.20	0.06	-0.28	-0.56	-0.75	-1.04	-1.01	-1.14	-1.25	-1.00	-0.68	-0.25	0.43	1.18	0.79	1.42	1.27	1.60
3/7/08	0.93	1.26	1.06	0.71	0.90	1.05	0.91	0.28	-0.73	-1.12	-1.29	-1.41	-1.42	-1.41	-1.17	-0.92	-0.49	-0.25	0.08	0.13	0.12	0.04	-0.03	-0.02
3/8/08	0.02	0.03	0.06	-0.02	0.00	0.46	0.25	0.06	-0.05	-0.14	-0.25	-0.24	-0.31	-0.26	-0.37	-0.36	-0.43	-0.14	0.38	0.17	0.31	1.58	1.99	0.25
3/9/08	0.06	0.05	0.03	-0.03	-0.07	-0.06	-0.04	-0.12	-0.38	-0.64	-0.80	-1.05	-1.11	-1.20	-1.33	-1.07	-0.81	-0.27	0.68	2.16	4.70	4.46	4.07	1.28
3/10/08	0.70	0.69	0.68	0.53	0.47	0.64	1.01	0.74	-0.31	-0.75	-0.94	-1.03	-1.09	-1.09	-0.94	-0.76	-0.43	0.16	2.93	2.80	2.01	1.75	3.30	2.85
3/11/08	2.15	3.14	2.34	1.53	1.67	1.99	1.35	0.75	-0.06	-0.53	-0.43	-0.51	-0.90	-0.95	-0.71	-0.31	-0.04	0.51	2.08	1.15	0.79	0.58	0.57	1.48
3/12/08	1.87	1.35	3.11	3.90	3.49	0.95	0.43	0.21	0.26	0.11	0.00	-0.42	-1.07	-1.18	-0.92	-0.78	-0.29	0.23	1.07	0.91	1.00	0.62	1.08	1.24
3/13/08	1.32	1.21	1.20	0.94	0.68	0.63	0.68	0.25	-0.40			-1.36	-1.46	-1.32	-1.09	-1.06	-0.66	-0.22	0.51	2.32	3.24	2.39	1.31	1.59
3/14/08	2.41	3.00	3.03	1.63	1.13	1.29	0.96	0.01	-0.32	-0.49	-0.70	-0.80	-0.88	-0.88	-0.85	-1.09	-0.53	-0.32	0.93	1.89	1.39	2.95	1.87	3.21
3/15/08	1.73	0.78	1.25	1.88	1.71	2.04	1.53	0.35	-0.47	-0.86	-1.05	-1.09	-1.18	-0.94	-1.05	-0.92	-0.59	-0.22	0.55	1.99	1.04	0.64	0.59	0.63
3/16/08	0.53	0.88	1.06	0.94	0.53	0.62	0.16	0.01	-0.33	-0.70	-0.95	-1.15	-0.99	-0.92	-0.51	-0.37	-0.28	-0.17	0.04	0.03	0.00	-0.02	-0.01	0.01
3/17/08	-0.05	-0.06	-0.03	-0.07	-0.06	0.15	0.05	-0.09	-0.24	-0.47	-0.70	-0.86	-0.85	-0.98	-0.89	-0.90	-0.53	-0.19	1.83	2.84	2.17	2.10	0.71	1.03
3/18/08	1.76	0.81	0.36	0.85	1.23	1.48	0.91	0.18	-0.45	-1.02	-1.18	-1.37	-1.35	-1.34	-1.13	-0.72	-0.51	-0.34	0.91	3.01	2.21	2.67	3.11	2.19
3/19/08	2.28	1.99	1.80	1.87	1.89	2.56	1.80	0.31	-0.21	-0.51	-0.70	-0.63	-0.69	-0.94	-1.02	-0.90	-0.77	-0.29	0.03	-0.08	-0.07	-0.06	-0.06	-0.07
3/20/08	-0.06	-0.01	-0.05	-0.07	-0.11	-0.11	-0.10	-0.13	-0.21	-0.27	-0.21	-0.28	-0.23	-0.13	-0.16	-0.11	-0.07	-0.03	-0.01	-0.01	-0.04	-0.07	-0.07	-0.09
3/21/08	-0.08	-0.07	-0.05	-0.02	1.29	0.28	-0.08	-0.15	-0.27	-0.31	-0.41	-0.50	-0.56	-0.70	-0.68	-0.60	-0.46	-0.17	0.12	1.07	1.47	1.91	0.32	0.23
3/22/08	0.21	0.38	0.11	0.03	0.02	0.02	0.03	-0.02	-0.09	-0.24	-0.36	-0.45	-0.84	-0.89	-1.01	-0.87	-0.63	-0.25	0.01	0.24	-0.06	1.18	0.87	0.70
3/23/08	1.01	0.96	0.71	0.68	0.57	0.22	0.41	-0.03	-0.61	-0.94	-0.99	-0.92	-0.83	-0.84	-0.78	-0.84	-0.78	-0.33	0.26	0.55	0.41	0.32	0.31	0.24
3/24/08	0.19	0.12	0.14	0.15	0.15	0.15	0.14	-0.11	-0.27	-0.55	-1.05	-1.26	-1.33	-1.29	-1.14	-0.86	-0.50	0.09	0.43	0.69	0.78	0.48	0.43	0.46
3/25/08	0.31	0.43	0.63	0.53	0.42	0.42	0.38	0.02	-0.35	-0.77	-0.97	-1.30	-1.56	-1.73	-1.55	-1.21	-0.85	-0.38	0.49	2.92	3.97	1.81	2.38	3.82
3/26/08	4.97	4.96	4.49	4.71	4.64	3.88	4.06	1.54	-0.41	-0.72	-1.03	-1.08	-1.25	-1.05	-0.63	-0.30	-0.14	-0.07	-0.05	-0.04	-0.04	-0.04	-0.04	-0.04
3/27/08	-0.03	-0.03	-0.03	-0.03	0.00	0.11	0.36	0.04	-0.25	-0.36	-0.53	-0.51	-0.63	-0.65	-0.66	-0.62	-0.51	-0.29	0.60	1.39	2.37	3.33	3.32	3.54
3/28/08	3.27	2.08	1.92	1.83	0.23	0.03	-0.01	-0.14	-0.32	-0.44	-0.60	-0.52	-0.54	-0.65	-0.60	-0.59	-0.41	-0.14	0.19	0.47	0.24	0.26	0.45	0.50
3/29/08	0.44	0.34	0.20	0.10	0.10	0.13	0.15	0.04	-0.11	-0.19	-0.20	-0.31	-0.52	-0.73	-0.25	-0.21	-0.14	0.59	1.08	0.82	0.69	0.72	0.77	0.63
3/30/08	0.57	0.44	0.33	0.32	0.24	0.14	0.19	0.04	-0.17	-0.41	-0.61	-0.92	-1.24	-1.23	-0.84	-0.74	-0.47	-0.28	0.06	0.44	0.34	0.39	0.66	0.76
3/31/08	0.01	-0.01	-0.05	-0.04	-0.04	-0.04	-0.05	-0.12	-0.22	-0.35	-0.53	-0.59	-0.59	-0.68	-0.70	-0.55	-0.33	-0.24	-0.12	-0.04	0.08	0.16	0.11	0.25
hr max	4.97	4.96	4.49	4.71	4.64	3.88	4.06	1.54	0.26	0.11	0.00	-0.10	-0.18	-0.13	-0.16	-0.11	0.02	0.59	2.93	3.01	4.70	4.46	4.07	3.82
hr min	-0.08	-0.11	-0.11	-0.15	-0.16	-0.11	-0.10	-0.15	-0.73	-1.12	-1.30	-1.50	-1.56	-1.73	-1.55	-1.21	-0.85	-0.38	-0.12	-0.08	-0.08	-0.13	-0.11	-0.11
average	0.93	0.87	0.86	0.77	0.70	0.65	0.54	0.14	-0.28	-0.54	-0.70	-0.84	-0.95	-0.97	-0.86	-0.71	-0.47	-0.10	0.54	0.97	0.98	1.04	0.96	0.94

valid hr count	daily max hr	daily min hr	daily ave hr
24	0.47	-1.05	-0.16
24	0.33	-0.37	0.04
24	0.50	-1.12	-0.25
24	0.25	-1.20	-0.18
24	0.69	-1.60	-0.40
24	1.94	-1.25	0.23
24	1.26	-1.42	-0.12
24	1.99	-0.43	0.12
24	4.70	-1.33	0.35
24	3.30	-1.09	0.58
24	3.14	-0.95	0.74
24	3.90	-1.18	0.72
22	3.24	-1.46	0.49
24	3.21	-1.09	0.79
24	2.04	-1.18	0.35
24	1.06	-1.15	-0.07
24	2.84	-0.98	0.16
24	3.11	-1.37	0.51
24	2.56	-1.02	0.31
24	-0.01	-0.28	-0.11
24	1.91	-0.70	0.07
24	1.18	-1.01	-0.08
24	1.01	-0.99	-0.05
24	0.78	-1.33	-0.17
24	3.97	-1.73	0.33
24	4.97	-1.25	1.10
24	3.54	-0.66	0.41
24	3.27	-0.65	0.27
24	1.08	-0.73	0.17
24	0.76	-1.24	-0.08
24	0.25	-0.70	-0.20

monthly max hr	monthly min hr	monthly ave hr
4.97	-1.73	0.19
3/26/08	3/25/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
degC
50-10

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
3/1/08	0.17	0.15	0.28	0.24	0.19	0.14	0.24	0.14	-0.48	-0.70	-0.69	-0.72	-0.79	-0.78	-0.83	-0.72	-0.72	-0.15	0.11	-0.14	-0.24	-0.21	-0.14	-0.12	24	0.28	-0.83	-0.24
3/2/08	-0.03	0.73	-0.05	-0.16	-0.27	-0.30	-0.30	-0.34	-0.39	-0.40	-0.44	-0.46	-0.52	-0.61	-0.66	-0.61	-0.50	-0.41	-0.30	-0.18	-0.16	-0.17	-0.25	-0.31	24	0.73	-0.66	-0.30
3/3/08	-0.35	-0.39	-0.35	-0.37	-0.39	-0.35	-0.29	-0.38	-0.65	-0.68	-0.73	-0.81	-0.79	-0.79	-0.74	-0.81	-0.68	-0.33	1.01	1.79	0.82	0.60	0.18	-0.15	24	1.79	-0.81	-0.23
3/4/08	-0.02	-0.18	-0.16	0.07	0.25	0.89	0.79	0.78	-0.19	-0.49	-0.56	-0.62	-0.77	-0.71	-0.69	-0.50	-0.32	-0.29	-0.37	-0.37	-0.44	-0.49	-0.49	-0.50	24	0.89	-0.77	-0.22
3/5/08	-0.47	-0.50	-0.50	-0.52	-0.53	-0.46	-0.39	-0.48	-0.66	-0.80	-0.89	-0.99	-1.00	-0.96	-0.90	-0.80	-0.69	-0.47	0.75	1.11	-0.32	-0.27	-0.08	0.50	24	1.11	-1.00	-0.43
3/6/08	1.14	1.41	2.69	3.60	2.17	2.67	0.66	0.37	-0.32	-0.59	-0.81	-0.96	-0.88	-0.92	-0.90	-0.91	-0.79	-0.57	0.03	0.78	0.94	0.62	1.27	0.92	24	3.60	-0.96	0.48
3/7/08	1.47	1.20	1.43	1.90	2.20	2.52	3.05	2.56	-0.21	-0.56	-0.85	-0.93	-0.93	-0.98	-0.91	-0.91	-0.73	-0.61	-0.28	-0.18	-0.17	-0.25	-0.32	-0.32	24	3.05	-0.98	0.30
3/8/08	-0.26	-0.23	0.08	0.34	0.57	0.85	0.75	0.15	-0.20	-0.43	-0.51	-0.51	-0.58	-0.55	-0.59	-0.62	-0.63	-0.48	0.04	-0.12	-0.12	1.38	0.90	0.07	24	1.38	-0.63	-0.03
3/9/08	-0.05	-0.22	-0.31	-0.40	-0.42	-0.43	-0.40	-0.45	-0.57	-0.67	-0.67	-0.76	-0.84	-0.90	-0.84	-0.76	-0.68	-0.53	-0.04	0.39	0.35	0.81	2.32	2.54	24	2.54	-0.90	-0.15
3/10/08	3.43	4.67	4.83	4.92	5.51	7.95	9.06	7.61	3.45	-0.41	-0.61	-0.80	-0.82	-0.84	-0.79	-0.70	-0.57	-0.10	2.09	4.53	5.95	5.96	6.30	6.88	24	9.06	-0.84	3.23
3/11/08	5.80	3.43	3.92	2.62	3.40	3.46	2.99	3.26	1.88	-0.32	-0.46	-0.54	-0.68	-0.73	-0.58	-0.47	-0.33	0.00	1.92	3.26	4.02	5.69	4.44	3.68	24	5.80	-0.73	2.07
3/12/08	3.35	4.67	4.46	5.52	5.46	2.58	0.38	0.18	-0.12	-0.15	-0.30	-0.55	-0.82	-0.93	-0.90	-0.80	-0.56	-0.12	1.17	0.98	2.72	1.43	2.40	2.18	24	5.52	-0.93	1.34
3/13/08	2.37	3.24	3.69	3.27	5.15	4.87	4.63	4.38	0.43			-0.81	-0.93	-0.87	-0.84	-0.79	-0.70	-0.50	0.23	1.11	3.41	2.43	1.19	1.16	22	5.15	-0.93	1.64
3/14/08	1.46	1.38	0.36	1.94	1.79	1.40	0.73	0.06	-0.54	-0.70	-0.70	-0.76	-0.79	-0.76	-0.73	-0.82	-0.65	-0.52	0.01	0.32	0.92	0.69	0.80	1.52	24	1.94	-0.82	0.27
3/15/08	2.18	1.93	1.01	0.70	1.39	1.80	1.90	0.94	-0.50	-0.68	-0.86	-0.84	-0.87	-0.80	-0.82	-0.77	-0.59	-0.49	0.08	1.68	2.17	1.79	1.31	0.62	24	2.18	-0.87	0.51
3/16/08	0.69	1.22	1.33	1.93	3.59	2.67	0.74	0.23	-0.48	-0.77	-0.92	-0.99	-0.94	-0.89	-0.73	-0.65	-0.57	-0.48	-0.27	-0.31	-0.33	-0.35	-0.34	-0.33	24	3.59	-0.99	0.13
3/17/08	-0.41	-0.41	-0.38	-0.41	-0.40	-0.15	-0.10	-0.41	-0.52	-0.61	-0.65	-0.69	-0.69	-0.73	-0.82	-0.72	-0.58	-0.45	0.67	3.00	3.68	4.19	3.81	3.78	24	4.19	-0.82	0.42
3/18/08	3.81	3.07	4.39	1.34	2.50	3.14	4.09	1.22	-0.42	-0.66	-0.82	-0.94	-0.90	-0.86	-0.83	-0.62	-0.65	-0.55	0.30	0.30	0.90	1.78	2.50	4.31	24	4.39	-0.94	1.10
3/19/08	4.88	4.59	5.25	5.16	5.26	6.33	4.82	1.27	0.10	-0.57	-0.67	-0.64	-0.65	-0.72	-0.70	-0.76	-0.78	-0.58	-0.34	-0.44	-0.43	-0.41	-0.41	-0.36	24	6.33	-0.78	1.22
3/20/08	-0.39	-0.39	-0.40	-0.42	-0.46	-0.47	-0.43	-0.43	-0.44	-0.47	-0.56	-0.57	-0.54	-0.32	-0.46	-0.44	-0.35	-0.25	-0.22	-0.25	-0.32	-0.36	-0.35	-0.35	24	-0.22	-0.57	-0.40
3/21/08	-0.35	-0.37	-0.40	-0.36	0.69	0.18	-0.28	-0.32	-0.34	-0.39	-0.44	-0.50	-0.61	-0.76	-0.96	-0.73	-0.68	-0.50	-0.36	0.06	0.19	0.74	0.94	1.30	24	1.30	-0.96	-0.18
3/22/08	1.52	0.12	-0.26	-0.37	-0.37	-0.38	-0.37	-0.40	-0.45	-0.55	-0.64	-0.67	-0.80	-0.81	-0.86	-0.77	-0.63	-0.50	-0.34	0.16	-0.30	-0.02	1.06	0.58	24	1.52	-0.86	-0.25
3/23/08	1.33	0.77	0.91	1.28	0.83	0.68	0.15	-0.08	-0.61	-0.73	-0.82	-0.79	-0.71	-0.73	-0.68	-0.67	-0.70	-0.61	-0.18	1.45	0.94	0.38	0.62	0.45	24	1.45	-0.82	0.10
3/24/08	0.21	0.04	0.06	-0.05	0.04	-0.02	-0.08	-0.42	-0.56	-0.77	-0.98	-1.01	-1.02	-0.96	-0.96	-0.82	-0.56	-0.25	0.23	1.02	1.13	0.24	0.20	0.26	24	1.13	-1.02	-0.21
3/25/08	0.08	0.16	0.62	0.32	0.26	0.14	0.17	-0.25	-0.56	-0.79	-0.87	-0.95	-0.99	-1.07	-0.96	-0.79	-0.72	-0.51	-0.26	0.72	1.49	2.79	4.34	1.83	24	4.34	-1.07	0.18
3/26/08	2.14	1.15	0.86	0.58	1.25	2.30	2.24	1.85	0.15	-0.70	-0.73	-0.78	-0.91	-0.87	-0.78	-0.56	-0.48	-0.38	-0.32	-0.31	-0.31	-0.31	-0.32	-0.34	24	2.30	-0.91	0.18
3/27/08	-0.32	-0.31	-0.32	-0.30	-0.22	-0.19	0.12	0.08	-0.32	-0.49	-0.52	-0.53	-0.55	-0.58	-0.56	-0.56	-0.50	-0.39	0.49	1.44	1.45	1.43	1.06	1.91	24	1.91	-0.58	0.06
3/28/08	2.45	2.50	3.49	3.03	2.23	0.79	-0.20	-0.30	-0.51	-0.63	-0.67	-0.67	-0.70	-0.66	-0.75	-0.71	-0.61	-0.43	0.06	1.21	1.53	1.38	1.87	2.10	24	3.49	-0.75	0.66
3/29/08	1.76	1.14	0.48	0.02	-0.01	-0.01	-0.04	-0.13	-0.29	-0.38	-0.37	-0.41	-0.53	-0.64	-0.36	-0.36	-0.35	0.58	1.22	0.64	0.47	0.37	0.39	0.41	24	1.76	-0.64	0.15
3/30/08	0.89	0.16	-0.08	0.01	-0.14	-0.26	-0.23	-0.34	-0.49	-0.60	-0.62	-0.65	-0.83	-0.87	-0.70	-0.73	-0.56	-0.49	-0.33	0.31	0.72	0.67	0.62	0.33	24	0.89	-0.87	-0.18
3/31/08	-0.28	-0.30	-0.25	-0.28	-0.30	-0.37	-0.44	-0.48	-0.51	-0.58	-0.67	-0.69	-0.74	-0.78	-0.84	-0.76	-0.60	-0.52	-0.44	-0.38	-0.13	-0.10	-0.18	0.10	24	0.10	-0.84	-0.44
hr max	5.80	4.67	5.25	5.52	5.51	7.95	9.06	7.61	3.45	-0.15	-0.30	-0.41	-0.52	-0.32	-0.36	-0.36	-0.32	0.58	2.09	4.53	5.95	5.96	6.30	6.88				
hr min	-0.47	-0.50	-0.50	-0.52	-0.53	-0.47	-0.44	-0.48	-0.66	-0.80	-0.98	-1.01	-1.02	-1.07	-0.96	-0.91	-0.79	-0.61	-0.44	-0.44	-0.44	-0.49	-0.49	-0.50				
average	1.23	1.11	1.18	1.13	1.33	1.35	1.10	0.64	-0.17	-0.58	-0.67	-0.73	-0.78	-0.79	-0.76	-0.70	-0.60	-0.38	0.21	0.76	0.98	1.05	1.15	1.12				

monthly	monthly	monthly
max hr	min hr	ave hr
9.06	-1.07	0.34
3/10/08	3/25/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
degC
100-50

data
channel
degC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
3/1/08	1.07	1.45	1.26	1.00	0.75	2.12	0.92	0.83	-0.23	-0.51	-0.50	-0.50	-0.52	-0.54	-0.52	-0.55	-0.55	-0.34	0.01	-0.17	-0.12	0.10	0.31	0.38
3/2/08	-0.09	0.32	0.60	0.12	-0.32	-0.39	-0.42	-0.43	-0.45	-0.46	-0.47	-0.48	-0.51	-0.54	-0.56	-0.53	-0.51	-0.47	-0.42	-0.33	-0.29	-0.30	-0.37	-0.41
3/3/08	-0.43	-0.44	-0.41	-0.41	-0.43	-0.42	-0.38	-0.36	-0.53	-0.53	-0.55	-0.59	-0.60	-0.55	-0.52	-0.55	-0.54	-0.44	-0.11	0.02	1.64	2.40	1.39	0.33
3/4/08	0.41	0.02	0.08	0.23	0.28	0.42	0.93	2.09	2.17	0.85	-0.43	-0.59	-0.64	-0.57	-0.53	-0.51	-0.46	-0.45	-0.46	-0.41	-0.46	-0.48	-0.49	-0.50
3/5/08	-0.48	-0.49	-0.48	-0.49	-0.50	-0.47	-0.45	-0.47	-0.52	-0.55	-0.59	-0.62	-0.64	-0.61	-0.58	-0.60	-0.56	-0.49	-0.23	0.05	-0.36	-0.42	-0.27	-0.15
3/6/08	0.04	0.34	0.24	0.81	1.48	1.74	1.14	0.53	-0.22	-0.49	-0.50	-0.56	-0.57	-0.61	-0.58	-0.58	-0.56	-0.51	-0.41	-0.31	-0.04	0.02	-0.26	-0.09
3/7/08	0.06	0.11	0.22	0.26	0.51	0.22	0.39	0.82	0.67	-0.55	-0.63	-0.62	-0.64	-0.60	-0.61	-0.59	-0.56	-0.53	-0.37	-0.22	-0.13	-0.21	-0.20	-0.25
3/8/08	-0.20	-0.04	0.74	1.75	1.93	1.92	1.77	0.61	-0.06	-0.46	-0.50	-0.51	-0.51	-0.50	-0.53	-0.53	-0.53	-0.50	-0.34	-0.30	-0.36	-0.22	-0.24	-0.24
3/9/08	-0.38	-0.37	-0.36	-0.42	-0.32	-0.45	-0.44	-0.44	-0.49	-0.51	-0.54	-0.57	-0.55	-0.56	-0.57	-0.55	-0.54	-0.51	-0.41	-0.30	-0.27	-0.26	-0.12	0.99
3/10/08	0.99	0.36	0.33	2.07	3.51	2.31	2.17	2.86	2.98	2.31	-0.23	-0.58	-0.61	-0.60	-0.63	-0.61	-0.58	-0.48	-0.25	0.08	0.30	1.30	2.52	2.56
3/11/08	1.01	0.12	0.24	1.10	1.69	1.30	1.43	2.94	3.53	1.47	-0.35	-0.48	-0.56	-0.61	-0.55	-0.52	-0.47	-0.12	0.12	0.34	1.44	1.01	2.68	3.29
3/12/08	3.25	1.32	-0.07	-0.04	0.64	1.11	0.34	0.33	-0.18	-0.02	-0.34	-0.52	-0.62	-0.66	-0.65	-0.60	-0.52	-0.34	0.04	0.15	0.25	0.68	0.49	0.35
3/13/08	1.03	1.11	0.11	0.79	0.89	0.87	1.25	1.41	1.36			-0.64	-0.66	-0.64	-0.60	-0.62	-0.58	-0.48	-0.24	0.17	-0.25	0.48	0.56	0.29
3/14/08	0.25	0.08	0.21	-0.05	0.23	0.74	0.08	0.35	-0.23	-0.53	-0.55	-0.55	-0.56	-0.53	-0.53	-0.55	-0.53	-0.51	-0.43	-0.26	-0.12	0.12	0.11	0.26
3/15/08	1.16	1.11	1.23	1.15	1.17	0.78	0.75	1.23	-0.27	-0.56	-0.59	-0.64	-0.65	-0.53	-0.60	-0.56	-0.53	-0.49	-0.37	-0.22	0.03	0.33	0.70	1.01
3/16/08	2.06	2.52	3.20	3.44	1.50	1.89	2.35	2.17	0.52	-0.50	-0.56	-0.60	-0.59	-0.55	-0.55	-0.55	-0.50	-0.46	-0.31	-0.42	-0.40	-0.40	-0.39	-0.40
3/17/08	-0.47	-0.46	-0.44	-0.44	-0.43	-0.30	-0.27	-0.27	-0.43	-0.59	-0.55	-0.56	-0.57	-0.56	-0.56	-0.59	-0.54	-0.50	-0.35	-0.21	-0.08	0.47	1.15	1.53
3/18/08	1.09	1.28	0.92	0.75	0.60	0.94	0.80	1.40	0.39	-0.35	-0.55	-0.59	-0.59	-0.59	-0.58	-0.59	-0.56	-0.50	-0.25	0.01	0.16	0.23	0.52	0.41
3/19/08	0.09	0.35	0.80	0.70	1.08	0.21	1.07	2.62	2.66	-0.06	-0.53	-0.54	-0.53	-0.55	-0.58	-0.61	-0.60	-0.51	-0.45	-0.43	-0.43	-0.42	-0.34	-0.29
3/20/08	-0.36	-0.56	-0.51	-0.46	-0.43	-0.43	-0.37	-0.26	-0.28	-0.30	-0.34	-0.34	-0.39	-0.28	-0.36	-0.42	-0.32	-0.22	-0.21	-0.18	-0.24	-0.26	-0.29	-0.33
3/21/08	-0.33	-0.33	-0.10	0.22	0.18	0.41	-0.31	-0.27	-0.29	-0.32	-0.33	-0.34	-0.33	-0.31	-0.34	-0.62	-0.59	-0.80	-0.88	-0.84	-0.60	-0.43	-0.25	0.16
3/22/08	0.33	0.19	-0.32	-0.44	-0.46	-0.45	-0.44	-0.46	-0.48	-0.50	-0.53	-0.54	-0.54	-0.54	-0.54	-0.53	-0.53	-0.48	-0.40	-0.20	-0.32	-0.29	-0.15	0.02
3/23/08	-0.19	-0.15	0.32	0.42	0.80	0.57	0.05	0.57	-0.34	-0.53	-0.57	-0.60	-0.62	-0.54	-0.56	-0.56	-0.52	-0.49	-0.10	0.46	0.84	1.74	2.65	1.82
3/24/08	0.79	0.45	0.27	0.23	0.43	0.32	-0.07	-0.40	-0.51	-0.55	-0.58	-0.63	-0.61	-0.58	-0.59	-0.61	-0.55	-0.45	-0.19	0.22	0.08	-0.21	-0.20	-0.07
3/25/08	-0.10	-0.07	0.41	0.16	0.19	0.00	0.10	-0.31	-0.54	-0.59	-0.60	-0.60	-0.63	-0.64	-0.59	-0.59	-0.55	-0.53	-0.44	-0.27	-0.13	1.15	0.95	0.59
3/26/08	0.07	-0.27	-0.31	-0.25	0.02	0.02	-0.02	-0.13	-0.03	-0.53	-0.54	-0.58	-0.64	-0.62	-0.59	-0.52	-0.48	-0.41	-0.34	-0.30	-0.31	-0.32	-0.34	-0.38
3/27/08	-0.38	-0.37	-0.37	-0.34	-0.32	-0.34	-0.30	-0.22	0.22	-0.35	-0.46	-0.53	-0.60	-0.52	-0.49	-0.47	-0.48	-0.36	0.10	-0.03	-0.05	0.11	0.22	0.08
3/28/08	0.06	0.09	0.03	0.15	0.22	1.07	0.96	0.94	-0.01	-0.39	-0.46	-0.49	-0.55	-0.52	-0.53	-0.53	-0.50	-0.42	-0.13	0.25	0.84	2.21	2.49	1.67
3/29/08	1.50	1.90	0.95	0.22	0.08	-0.06	-0.15	-0.12	-0.22	-0.34	-0.29	-0.28	-0.33	-0.15	-0.18	-0.23	-0.36	0.04	0.24	0.09	-0.01	-0.13	-0.01	0.37
3/30/08	1.02	-0.06	-0.13	0.02	-0.14	-0.36	-0.30	-0.39	-0.49	-0.52	-0.52	-0.51	-0.54	-0.54	-0.55	-0.55	-0.51	-0.51	-0.46	-0.40	-0.40	-0.32	-0.25	-0.22
3/31/08	-0.35	-0.32	-0.24	-0.28	-0.32	-0.34	-0.34	-0.37	-0.49	-0.60	-0.60	-0.53	-0.53	-0.53	-0.55	-0.54	-0.51	-0.48	-0.45	-0.41	-0.20	-0.29	-0.34	-0.22
hr max	3.25	2.52	3.20	3.44	3.51	2.31	2.35	2.94	3.53	2.31	-0.23	-0.28	-0.33	-0.15	-0.18	-0.23	-0.32	0.04	0.24	0.46	1.64	2.40	2.68	3.29
hr min	-0.48	-0.56	-0.51	-0.49	-0.50	-0.47	-0.45	-0.47	-0.54	-0.60	-0.63	-0.64	-0.66	-0.66	-0.65	-0.62	-0.60	-0.80	-0.88	-0.84	-0.60	-0.48	-0.49	-0.50
average	0.40	0.30	0.27	0.39	0.47	0.48	0.39	0.54	0.23	-0.25	-0.49	-0.54	-0.56	-0.54	-0.54	-0.55	-0.52	-0.44	-0.27	-0.14	0.00	0.24	0.39	0.41

valid hr count	daily max hr	daily min hr	daily ave hr
24	2.12	-0.55	0.21
24	0.60	-0.56	-0.32
24	2.40	-0.60	-0.13
24	2.17	-0.64	0.02
24	0.05	-0.64	-0.46
24	1.74	-0.61	0.00
24	0.82	-0.64	-0.14
24	1.93	-0.53	0.09
24	0.99	-0.57	-0.37
24	3.51	-0.63	0.92
24	3.53	-0.61	0.84
24	3.25	-0.66	0.18
22	1.41	-0.66	0.26
24	0.74	-0.56	-0.15
24	1.23	-0.65	0.19
24	3.44	-0.60	0.52
24	1.53	-0.59	-0.25
24	1.40	-0.59	0.18
24	2.66	-0.61	0.11
24	-0.18	-0.56	-0.34
24	0.41	-0.88	-0.32
24	0.33	-0.54	-0.36
24	2.65	-0.62	0.19
24	0.79	-0.63	-0.17
24	1.15	-0.64	-0.15
24	0.07	-0.64	-0.33
24	0.22	-0.60	-0.26
24	2.49	-0.55	0.27
24	1.90	-0.36	0.11
24	1.02	-0.55	-0.32
24	-0.20	-0.60	-0.41

monthly max hr	monthly min hr	monthly ave hr
3.53	-0.88	-0.01
3/11/08	3/21/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	742
possible hours	744
data capture	99.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
ppb
NOx

data
channel
ppb

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
3/1/08	1.8	1.8	1.8	1.8	2.0	1.8	2.1	2.4	2.5	2.4	2.6	2.7	2.8	2.6	2.6	2.7	2.7	3.2	3.2	3.2	3.2	3.2	3.2	
3/2/08	3.8	4.1	4.5	4.7	4.8	5.0	4.2	3.3	4.0	3.8	4.1	3.7	3.8	3.5	3.1	2.6	2.7	3.1	3.1	3.1	3.2	3.1	3.0	
3/3/08	2.6	2.2	2.1	1.9	1.2	1.3	1.4	1.6	1.5	1.4	1.3	1.1	1.1	1.1	1.2	1.3	1.3	1.4	1.7	1.5		1.8	1.8	
3/4/08	1.6	1.5	1.5	1.6	1.7	1.7	1.9	2.1				1.1	0.9	0.3	0.3	1.1	2.4	1.4						
3/5/08	2.1			3.6	3.8	3.0	2.6	3.0						1.0	1.2	0.9	0.9	0.7	0.8	1.1	1.4	2.4	2.4	
3/6/08	1.6	1.4	1.5	1.7	2.1	2.3	2.1	1.6	1.4	1.7	2.8	2.4	1.9	1.5	1.2	1.3	1.3	1.0	0.9	1.5	2.1	1.6	0.8	
3/7/08	0.8	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.2	1.2	1.2	1.3	1.2	1.2	1.1	1.1	1.0	1.0	1.2	1.1	1.1	1.1	1.1	
3/8/08	0.8	0.9	0.8	1.0	1.2	1.3	1.3	1.5	1.7	1.8	2.0	2.2	2.5	2.3	1.8	1.6	1.6	1.7	1.3	1.3	1.2	1.2	1.2	
3/9/08	0.9	1.0	1.0	1.1	1.2	1.1	0.9	0.8	0.8	0.9	0.8	0.9	0.7	0.8	1.0	1.2	1.2	1.3	1.5	1.6	1.5	1.3	1.3	
3/10/08	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.6	1.5	1.4	1.2	1.0	0.9	0.9	1.1	1.5	2.3	2.8	3.0	2.3	1.8	1.8	
3/11/08	1.5	1.2	1.2	1.1	1.1	1.2	1.6	1.7	2.0	3.1	2.6	1.8	1.5	2.1	3.0	4.4	5.4	6.5	7.3	7.1	6.0	5.0	4.6	
3/12/08	4.1			3.9	3.3	2.5	1.6	1.6	1.3	1.5	1.3	1.1	0.9	0.8	1.1	1.3	1.8	2.2	2.6	1.8	1.6	1.0	0.7	
3/13/08	0.7	0.8	0.9	0.8	1.2	1.0	1.5	2.3	2.5	1.3	1.1	0.7	0.7		1.8	1.8	1.7	1.6	1.5	1.5	1.6	1.6	1.6	
3/14/08	1.2	1.1	1.1	1.3	1.2	1.2	2.0	2.5	2.6	1.7	1.4	1.3	1.0	0.9	0.8	0.8	0.8	0.7	1.0	1.1	0.8	1.2	0.9	
3/15/08	1.6	1.6	1.4	1.4	1.0	0.9	1.2	1.1	0.9	0.7	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.6	2.0	1.7	1.1	1.0	0.8	
3/16/08	1.0	1.0	1.1	1.2	1.2	1.1	1.2	1.1	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.2	1.5	1.6	1.7	1.7	1.5	1.4	1.6	
3/17/08	1.9	2.3	2.2	2.2	2.2	2.3	2.3	2.4	2.7	2.7	2.6	2.5	2.3	2.2	2.0	1.9	1.8	1.9	2.1	2.2	2.2	2.2	2.4	
3/18/08	2.2	2.3	2.4	2.3	2.2	2.3	2.3	2.0	2.1	2.3	1.7	1.3	1.4	1.3	1.4	1.2	1.2	1.4	1.7	2.3	1.7	1.6	1.7	
3/19/08	1.6			1.2	1.2	1.2	1.2	1.6	1.5	1.5	1.4	1.4	1.6	1.6	1.3	2.3	1.3	1.5	1.6	1.7	2.1	2.5	1.9	
3/20/08	1.7	1.8	1.7	1.6	1.6	1.8	1.8	1.8	1.8	2.0	2.1	2.1	2.1	2.2	2.1	2.4	3.0	3.3	3.3	3.4	3.3	3.9	4.3	
3/21/08	3.5	2.7	2.4	2.7	3.0	2.6	2.4	2.6	2.7	2.2	2.1	1.9	1.8	1.8	1.7	1.7	1.7	1.8	1.6	1.8	1.9	2.2	1.5	
3/22/08	1.5	1.7	2.2	2.0	1.7	1.6	1.4	1.3	1.4	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.5	1.3	1.4	
3/23/08	1.1	0.8	0.9	0.8	0.8	0.7	0.8	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.8	1.0	0.8	0.8	0.9	
3/24/08	0.7	0.7	0.8	0.8	0.7	0.7	0.7	1.0	1.2	1.3	1.6	1.8	1.7	1.7	1.8	1.6	1.4	1.4	1.3	1.3	1.3	0.8	0.7	
3/25/08	0.7	0.7	0.7	0.7	0.7	0.8	1.1	1.2	1.2	1.2	1.3	1.6	1.6	1.3	1.2	1.2	1.3	1.2	1.3	1.4	1.5	1.4	1.6	
3/26/08	1.5			1.3	1.3	1.2	1.8	1.9	1.9	1.3	1.1	0.8	0.8	1.0	1.1	0.9	0.9	1.1	1.2	1.3	1.3	1.1	1.1	
3/27/08	0.8	1.2	1.2	1.2	1.1	1.0	1.2	1.2	1.2	1.4	1.6	1.5	1.6	1.4	1.3	1.2	1.2	1.4	1.6	1.7	1.9	1.6	1.5	
3/28/08	1.4	1.6	1.6	1.4	1.6	1.7	1.8	1.9	2.0	2.2	2.5	2.7	2.6	2.3	2.2	2.2	2.3	2.3	2.3	2.2	2.2	2.1	2.0	
3/29/08	1.7	1.8	2.1	2.2	2.4	2.3	2.5	2.7	2.8	3.0	3.2	3.3	3.4	2.9	2.8	2.8	2.5	2.6	2.6	2.4	2.0	1.7	1.3	
3/30/08	0.9	1.0	1.5	1.3	1.2	1.3	1.2	1.2	1.4	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.5	1.6	1.6	1.6	
3/31/08	1.4	1.7	1.7	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.5	1.4	8.0	10.8	4.0	1.4	1.4	1.4	1.4	1.2	
hr max	4.1	4.1	4.5	4.7	4.8	5.0	4.2	3.3	4.0	3.8	4.1	3.7	3.8	3.5	3.1	8.0	10.8	6.5	7.3	7.1	6.0	5.0	4.6	0.0
hr min	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.7	0.7	0.7	0.6	0.3	0.3	0.7	0.7	0.6	0.8	1.0	0.8	0.8	0.7	0.0
average	1.6	1.5	1.6	1.7	1.7	1.6	1.7	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.8	2.0	1.8	1.9	2.0	1.9	1.8	1.7	#DIV/0!

valid hr count	daily max hr	daily min hr	daily ave hr
23	3.2	1.8	2.5
23	5.0	2.6	3.7
22	2.6	1.1	1.5
15	2.4	0.3	1.4
16	3.8	0.7	1.9
23	2.8	0.8	1.6
23	1.3	0.7	1.0
23	2.5	0.8	1.5
23	1.6	0.7	1.1
23	3.0	0.9	1.5
23	7.3	1.1	3.2
21	4.1	0.7	1.8
22	2.5	0.7	1.4
23	2.6	0.7	1.2
23	2.0	0.6	1.0
23	1.7	1.0	1.3
23	2.7	1.8	2.2
23	2.4	1.2	1.8
21	2.5	1.2	1.6
23	4.3	1.6	2.4
23	3.5	1.5	2.2
23	2.2	1.1	1.4
23	1.1	0.7	0.8
23	1.8	0.7	1.2
23	1.6	0.7	1.2
21	1.9	0.8	1.2
23	1.9	0.8	1.3
23	2.7	1.4	2.0
23	3.4	1.3	2.5
23	1.6	0.9	1.3
23	10.8	1.2	2.4

monthly max hr	monthly min hr	monthly ave hr
10.80	0.30	1.72
3/31/08	3/4/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	690
possible hours	744
data capture	92.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
ppb
NO

data
channel
ppb

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
3/1/08	0.3	0.3	0.5	0.6	0.5	0.4	0.6	0.8	0.8	0.7	0.7	0.8	0.7	0.6	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2		23	0.8	0.2	0.5
3/2/08	0.9	1.4	1.7	2.0	2.1	1.8	1.2	0.6	0.6	0.7	0.9	0.9	0.9	0.7	0.6	0.7	0.7	0.7	0.7	0.9	1.1	1.2	1.0		23	2.1	0.6	1.0
3/3/08	0.7	0.7	0.6	0.5	0.4	0.3	0.6	0.6	0.7	0.7	0.6	0.4	0.3	0.3	0.4	0.3	0.4	0.4	0.2	0.4		0.2	0.2		22	0.7	0.2	0.4
3/4/08	0.2	0.2	0.2	0.2	0.3	0.5	0.6	0.6				0.5	1.1	0.5	0.4	0.6	0.7	0.5							15	1.1	0.2	0.5
3/5/08	0.6			0.4	0.5	0.4	0.4	0.5						0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	16	0.6	0.2	0.3
3/6/08	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.4	0.4	0.6	1.1	0.7	0.6	0.5	0.3	0.4	0.4	0.2	0.2	0.2	0.3	0.2	0.3		23	1.1	0.2	0.4
3/7/08	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2		23	0.6	0.2	0.3
3/8/08	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.4	0.3	0.4	0.4	0.2	0.3	0.3	0.3	0.3		23	0.5	0.2	0.3
3/9/08	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.2	0.2	0.2	0.3	0.3		23	0.4	0.2	0.3
3/10/08	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.6	0.6	0.5	0.4	0.3	0.2	0.2	0.3	0.6	1.3	1.6	1.6	0.9	0.6	0.5		23	1.6	0.2	0.6
3/11/08	0.3	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.6	0.8	0.7	0.4	0.4	1.0	2.0	3.1	4.1	4.9	5.4	5.2	4.4	3.5	3.0		23	5.4	0.1	1.8
3/12/08	2.6			2.6	1.9	1.0	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.1	1.4	1.6	1.1	0.8	0.2	0.2		21	2.6	0.1	0.8
3/13/08	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.5	1.2	0.7	0.7	0.3	0.1		0.7	0.7	0.7	0.6	0.5	0.4	0.5	0.4	0.3		22	1.2	0.1	0.4
3/14/08	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.3	0.2	0.2	0.2		23	0.5	0.1	0.3
3/15/08	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2		23	0.4	0.1	0.2
3/16/08	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.5	0.5	0.5	0.5	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.2		23	0.5	0.2	0.3
3/17/08	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.4	0.5	0.5	0.6	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2		23	0.6	0.2	0.3
3/18/08	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.5	0.7	0.4	0.3	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		23	0.7	0.2	0.3
3/19/08	0.2			0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.4	0.4	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2		21	0.4	0.1	0.2
3/20/08	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2		23	0.6	0.2	0.3
3/21/08	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.6	0.4	0.6	0.4	0.4	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2		23	0.6	0.2	0.3
3/22/08	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.2		23	0.3	0.2	0.2
3/23/08	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3		23	0.4	0.2	0.2
3/24/08	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.6	0.7	0.7	0.6	0.5	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2		23	0.7	0.2	0.3
3/25/08	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.6	0.5	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.2		23	0.6	0.2	0.3
3/26/08	0.2			0.2	0.2	0.2	0.2	0.5	0.6	0.4	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		21	0.6	0.2	0.3
3/27/08	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2		23	0.6	0.2	0.3
3/28/08	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.5	0.6	0.6	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2		23	0.6	0.1	0.3
3/29/08	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		23	0.6	0.2	0.3
3/30/08	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		23	0.3	0.2	0.2
3/31/08	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.9	1.1	0.6	0.3	0.3	0.3	0.2	0.3		23	1.1	0.2	0.4
hr max	2.6	1.4	1.7	2.6	2.1	1.8	1.2	0.8	1.2	0.8	1.1	0.9	1.1	1.0	2.0	3.1	4.1	4.9	5.4	5.2	4.4	3.5	3.0	0.0				
hr min	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.0				
average	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	#DIV/0!				

monthly max hr	monthly min hr	monthly ave hr
5.4	0.1	0.4
3/11/08	3/11/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	690
possible hours	744
data capture	92.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
ppb
NO2

data
channel
ppb

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid hr count	daily max hr	daily min hr	daily ave hr
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
3/1/08	1.7	1.6	1.7	1.6	1.7	1.8	1.8	1.8	2.0	1.9	2.0	2.1	2.2	2.2	2.2	2.5	2.5	2.9	3.1	3.1	3.2	3.0	2.9		23	3.2	1.6	2.2
3/2/08	3.1	2.9	2.9	2.9	3.0	3.5	3.2	3.0	3.6	3.3	3.4	3.0	3.0	2.9	2.6	2.2	2.2	2.4	2.5	2.4	2.4	2.2	2.2		23	3.6	2.2	2.8
3/3/08	2.1	1.8	1.8	1.5	1.1	1.0	1.1	1.2	1.2	1.1	1.0	0.8	0.9	0.9	1.1	1.1	1.2	1.2	1.5	1.2		1.8	1.8		22	2.1	0.8	1.3
3/4/08	1.6	1.4	1.4	1.4	1.5	1.6	1.7	1.7				0.8	0.0	0.0	0.1	0.8	1.8	0.9							15	1.8	0.0	1.1
3/5/08	1.6			3.3	3.6	2.6	2.4	2.7						0.7	0.8	0.8	0.8	0.6	0.8	1.0	1.2	2.2	2.3		16	3.6	0.6	1.7
3/6/08	1.3	1.3	1.3	1.5	1.8	2.1	1.9	1.4	1.2	1.3	1.9	1.8	1.6	1.2	1.0	1.0	1.0	0.8	0.8	1.4	2.0	1.5	0.7		23	2.1	0.7	1.4
3/7/08	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.7	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.7	1.0	0.9	0.9	0.9	0.8		23	1.0	0.6	0.8
3/8/08	0.7	0.8	0.7	0.8	1.0	1.1	1.1	1.3	1.5	1.6	1.8	1.9	2.2	2.0	1.5	1.4	1.4	1.5	1.2	1.2	1.0	0.9	1.0		23	2.2	0.7	1.3
3/9/08	0.8	0.8	0.8	0.8	1.0	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.1	1.3	1.4	1.3	1.1	1.1		23	1.4	0.7	0.9
3/10/08	1.0	0.9	0.9	0.9	0.9	1.0	1.1	1.1	1.2	1.2	1.1	0.9	0.8	0.8	0.8	1.0	1.1	1.1	1.3	1.6	1.5	1.3	1.3		23	1.6	0.8	1.1
3/11/08	1.3	1.1	1.0	1.0	1.0	1.1	1.4	1.5	1.6	2.4	2.2	1.5	1.3	1.3	1.3	1.4	1.5	1.6	2.0	1.9	1.6	1.7	1.7		23	2.4	1.0	1.5
3/12/08	1.8			1.5	1.5	1.6	1.6	1.5	1.2	1.4	1.3	1.1	0.8	0.8	1.0	0.8	0.8	0.9	1.1	0.8	1.0	0.9	0.8		21	1.8	0.8	1.2
3/13/08	0.7	0.7	0.9	0.8	1.1	0.9	1.4	2.0	1.5	0.8	0.7	0.6	0.6		1.2	1.2	1.2	1.3	1.2	1.1	1.3	1.3	1.3		22	2.0	0.6	1.1
3/14/08	1.1	1.0	0.9	1.2	1.0	1.2	1.8	2.3	2.3	1.3	1.2	1.2	0.9	0.8	0.8	0.7	0.7	0.7	0.9	0.9	0.8	1.0	0.8		23	2.3	0.7	1.1
3/15/08	1.5	1.4	1.3	1.3	0.9	0.8	1.1	0.8	0.7	0.7	0.6	0.6	0.4	0.5	0.5	0.4	0.4	0.5	1.8	1.7	0.9	0.8	0.7		23	1.8	0.4	0.9
3/16/08	0.8	0.7	0.8	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.0	1.1	1.1	1.1	1.0	1.0	1.3	1.3	1.5	1.5	1.3	1.3	1.4		23	1.5	0.7	1.1
3/17/08	1.8	2.1	2.1	2.0	2.1	2.2	2.3	2.2	2.4	2.4	2.3	2.2	2.2	2.0	1.8	1.8	1.8	1.8	2.0	2.2	2.1	2.1	2.3		23	2.4	1.8	2.1
3/18/08	2.1	2.2	2.3	2.2	2.2	2.2	2.2	1.8	1.8	1.9	1.5	1.2	1.2	1.3	1.2	0.9	1.0	1.3	1.5	2.3	1.5	1.5	1.6		23	2.3	0.9	1.7
3/19/08	1.5			1.2	1.2	1.2	1.3	1.4	1.3	1.2	1.2	1.3	1.4	1.3	1.2	2.0	1.2	1.3	1.4	1.6	2.0	2.3	1.8		21	2.3	1.2	1.4
3/20/08	1.7	1.7	1.7	1.4	1.4	1.7	1.7	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.9	2.2	2.8	3.2	3.2	3.3	3.2	3.7	4.2		23	4.2	1.4	2.2
3/21/08	3.3	2.7	2.3	2.6	3.0	2.4	2.3	2.3	2.2	1.8	1.7	1.6	1.6	1.5	1.5	1.5	1.5	1.7	1.5	1.6	1.8	2.1	1.3		23	3.3	1.3	2.0
3/22/08	1.4	1.5	2.0	1.9	1.7	1.5	1.3	1.1	1.2	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.3	1.2	1.2		23	2.0	1.0	1.3
3/23/08	1.0	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.7	0.7	0.8	0.7	0.8	0.7		23	1.0	0.6	0.7
3/24/08	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.8	0.9	1.1	1.2	1.3	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.3	1.2	0.8	0.7		23	1.4	0.7	1.0
3/25/08	0.5	0.6	0.6	0.7	0.7	0.8	0.9	1.1	0.9	1.0	1.1	1.3	1.3	1.2	1.1	1.2	1.1	1.0	1.3	1.4	1.4	1.3	1.4		23	1.4	0.5	1.0
3/26/08	1.4			1.2	1.2	1.1	1.7	1.7	1.6	1.1	0.8	0.7	0.7	0.9	0.9	0.8	0.9	1.0	1.2	1.2	1.2	1.0	1.0		21	1.7	0.7	1.1
3/27/08	0.8	1.2	1.2	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.3	1.2	1.2	1.2	1.2	1.1	1.2	1.3	1.4	1.6	1.8	1.5	1.3		23	1.8	0.8	1.2
3/28/08	1.3	1.4	1.4	1.3	1.4	1.6	1.7	1.8	1.8	1.9	2.2	2.3	2.2	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.0	1.9	1.9		23	2.3	1.3	1.9
3/29/08	1.6	1.7	1.9	2.2	2.3	2.3	2.3	2.4	2.4	2.6	2.8	2.9	3.0	2.7	2.7	2.7	2.3	2.4	2.5	2.3	1.9	1.6	1.3		23	3.0	1.3	2.3
3/30/08	0.9	0.9	1.4	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.3	1.2	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.4		23	1.4	0.9	1.2
3/31/08	1.3	1.5	1.6	1.7	1.7	1.7	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	7.3	9.9	3.6	1.3	1.3	1.3	1.3	1.1		23	9.9	1.1	2.1
hr max	3.3	2.9	2.9	3.3	3.6	3.5	3.2	3.0	3.6	3.3	3.4	3.0	3.0	2.9	2.7	7.3	9.9	3.6	3.2	3.3	3.2	3.7	4.2	0.0				
hr min	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.0	0.0	0.1	0.4	0.4	0.5	0.7	0.8	0.7	0.8	0.7	0.0				
average	1.4	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.4	1.3	1.3	1.2	1.5	1.6	1.4	1.5	1.6	1.6	1.5	1.5	#DIV/0!				

monthly max hr	monthly min hr	monthly ave hr
9.9	0.0	1.4
3/31/08	3/4/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	690
possible hours	744
data capture	92.7%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
ppb
SO2

data
channel
ppb

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
3/1/08	1.1	0.1	0.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2	0.1	0.1	0.1	0.1	0.1	0.1	1.2	0.1		23	1.2	0.1	0.3
3/2/08	0.1	0.1	0.1	1.1	0.1	1.0	0.1	0.1	0.1	1.1	1.3	1.3	1.6	1.3	1.6	1.3	1.3	1.2	1.1	1.1	1.3	1.0	1.1		23	1.6	0.1	0.9
3/3/08	1.1	0.1	0.1	1.1	0.1	1.0	1.2	0.1	0.1	1.0	1.0	1.1	0.1	1.0	1.2	1.0	1.2	1.1	1.0	1.0		1.1	1.0		22	1.2	0.1	0.8
3/4/08	1.0	0.1	0.1	1.0	0.1	0.1	0.1	1.0				1.2	1.1	1.4	1.2	1.4	1.8	1.4							15	1.8	0.1	0.9
3/5/08	1.4			2.1	1.6	1.6	1.6	1.9						1.3	1.1	1.1	1.2	1.1	0.1	1.2	1.1	1.7	1.5		16	2.1	0.1	1.3
3/6/08	1.2	1.0	1.3	1.0	1.3	1.7	1.2	0.1	1.1	1.5	2.0	2.5	2.1	1.1	1.4	1.3	1.2	1.2	1.3	1.3	1.2	1.2	1.3		23	2.5	0.1	1.3
3/7/08	1.1	1.1	1.1	1.4	1.2	1.1	1.1	1.0	1.3	1.5	1.6	1.9	1.6	1.5	1.4	1.6	1.5	1.6	1.2	1.1	1.3	1.2	1.3		23	1.9	1.0	1.3
3/8/08	1.1	1.3	1.2	1.1	1.3	1.3	1.5	1.2	1.4	1.2	1.6	1.4	1.8	1.5	1.6	1.8	1.8	2.0	1.5	1.5	0.1	1.3	0.1		23	2.0	0.1	1.3
3/9/08	1.1	1.1	1.4	1.3	1.2	1.4	1.5	1.6	1.3	1.8	1.6	1.7	1.7	1.6	1.8	1.5	1.4	1.7	1.5	1.4	1.5	1.4	1.3		23	1.8	1.1	1.5
3/10/08	1.2	1.4	1.3	1.3	1.4	1.2	1.4	1.6	1.1	0.1	1.3	1.5	1.3	1.1	1.0	0.1	1.1	1.2	1.3	1.3	1.2	1.1	1.3		23	1.6	0.1	1.2
3/11/08	1.4	1.5	1.4	1.1	1.1	1.1	1.4	1.2	1.6	3.3	2.5	1.7	1.5	1.2	1.1										15	3.3	1.1	1.5
3/12/08	1.1			1.1	1.2	1.2	0.1	1.0	1.2	1.2	0.1	1.0	1.1	0.1	1.1	0.1	1.0	1.2	1.2	0.1	0.1	1.0	0.1		21	1.2	0.1	0.8
3/13/08	1.0	1.0	0.1	1.2	1.0	1.1	1.3	1.2	1.4	1.2	1.1	1.2	1.2	1.1	1.1	1.2	1.1	1.1	1.3	1.5	1.1	1.3	1.3		23	1.5	0.1	1.1
3/14/08	1.2	1.1	1.4	1.3	1.4	1.6	1.7	2.0	2.1	1.8	1.1	1.0	1.0	1.1	1.0	1.2	1.0	1.4	1.2	1.1	1.1	1.1	1.2		23	2.1	1.0	1.3
3/15/08	1.3	1.2	1.4	1.1	1.1	1.1	1.3	1.2	1.1	1.0	1.0	1.1	1.4	0.1	1.0	1.2	1.4	1.0	1.4	1.1	1.3	1.3	1.2		23	1.4	0.1	1.1
3/16/08	1.3	1.6	1.3	1.2	1.1	1.2	1.3	1.2	1.3	1.2	1.2	1.2	1.2	1.4	1.3	1.4	1.4	1.3	1.3	1.5	1.5	1.3	1.5		23	1.6	1.1	1.3
3/17/08	1.4	1.3	1.1	1.1	1.2	1.0	1.2	1.3	1.1	1.1	1.0	1.4	1.1	1.0	1.3	1.3	0.1	1.1	1.1	1.3	0.1	1.2	1.3		23	1.4	0.1	1.1
3/18/08	1.0	1.4	1.1	1.2	1.3	1.1	1.0	1.1	1.2	1.9	1.7	1.6	1.8	1.2	1.6	1.2	1.4	1.1	1.2	1.0	1.2	1.1	1.2		23	1.9	1.0	1.3
3/19/08	1.3			1.4	1.1	1.4	0.1	1.4	1.2	1.3	1.6	1.1	1.0	1.4	1.2	1.5	1.2	1.3	1.1	1.4	1.4	1.4	1.3		21	1.6	0.1	1.2
3/20/08	0.1	1.3	1.1	1.2	1.5	1.0	1.1	0.1	1.3	1.1	1.2	1.0	0.1	1.0	1.0	1.1	1.0	0.1	1.2	1.2	1.1	1.2	1.2		23	1.5	0.1	1.0
3/21/08	1.2	1.0	1.3	1.2	0.1	1.5	1.1	1.0	1.3	1.5	1.0	1.3	0.1	0.1	1.2	1.2	1.3	1.0	1.1	1.2	1.0	1.3	1.5		23	1.5	0.1	1.1
3/22/08	1.0	1.2	1.0	0.1	1.2	1.1	1.2	1.3	1.2	1.1	0.1	1.2	1.1	1.3	1.0	1.1	1.0	1.1	1.0	1.2	1.1	1.1	1.4		23	1.4	0.1	1.0
3/23/08	1.1	1.3	0.1	1.4	1.3	0.1	1.2	1.2	1.1	1.1	1.2	1.1	1.0	1.0	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.2	1.3		23	1.4	0.1	1.1
3/24/08	1.0	1.0	1.0	1.2	1.3	1.2	1.3	0.1	1.0	1.0	0.1	1.1	1.3	1.4	1.0	1.0	1.2	1.3	1.1	1.1	1.4	0.1	0.1		23	1.4	0.1	1.0
3/25/08	1.1	1.0	1.1	1.0	1.1	1.3	1.5	1.3	1.4	1.0	1.1	1.2	1.6	1.5	1.0	1.1	1.2	1.2	0.1	1.2	1.3	1.2	0.1		23	1.6	0.1	1.1
3/26/08	1.3			1.3	1.3	1.3	1.3	1.1	1.0	1.8	2.1	1.8	1.6	1.6	1.8	1.5	1.1	1.0	1.1	1.4	1.2	1.2	0.1		21	2.1	0.1	1.3
3/27/08	1.4	1.1	1.2	1.3	1.1	1.2	1.1	1.5	1.5	1.4	1.5	1.2	1.4	1.6	1.5	1.5	1.7	1.6	1.0	1.2	1.0	1.1	1.3		23	1.7	1.0	1.3
3/28/08	1.5	1.1	1.3	1.1	1.5	1.4	1.3	1.4	1.2	1.3	1.1	1.1	1.2	1.1	0.1	1.2	1.3	1.0	1.6	1.3	1.3	1.0	1.3		23	1.6	0.1	1.2
3/29/08	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.2	1.3	1.8	1.3	1.7	1.6	1.9	1.4	1.4	1.3	1.2	1.4	1.3	1.0	1.4	1.0		23	1.9	1.0	1.3
3/30/08	0.1	1.2	1.1	1.1	1.0	1.3	1.0	0.1	1.3	0.1	1.3	1.3	1.3	1.1	1.2	1.1	1.1	1.1	1.3	1.0	0.1	1.0	1.1		23	1.3	0.1	1.0
3/31/08	1.2	1.2	1.3	1.3	1.2	1.4	1.3	1.2	1.1	1.4	1.2	1.1	1.4	1.0	1.1	1.4	1.4	1.1	1.2	1.0	1.2	1.3	1.3		23	1.4	1.0	1.2
hr max	1.5	1.6	1.4	2.1	1.6	1.7	1.7	2.0	2.1	3.3	2.5	2.5	2.1	1.9	1.8	1.8	1.8	2.0	1.6	1.5	1.5	1.7	1.5	0.0				
hr min	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0				
average	1.1	1.0	1.0	1.2	1.1	1.1	1.1	1.0	1.2	1.3	1.2	1.3	1.2	1.1	1.2	1.2	1.2	1.2	1.1	1.1	1.0	1.2	1.0	#DIV/0!				

monthly max hr	monthly min hr	monthly ave hr
3.3	0.1	1.1
3/11/08	3/1/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	683
possible hours	744
data capture	91.8%

Max 3 hr ave.	2.5	3/11/08 10:00
Max 24 hr ave.	1.5	3/9/08 6:00

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
ppb
O3

data
channel
ppb

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	max 8hr	ave hr
3/1/08	28.3	28.6	26.9	27.3	25.8	24.4	21.5	21.3	24.2	25.9	26.5	27.6	30.8	32.4	33.1	33.9	33.9	33.3	32.0	31.8	31.1	28.9	27.5		23	33.9	32.8	28.6
3/2/08	19.5	16.9	17.8	17.8	21.9	25.9	32.5	32.6	29.9	31.9	32.9	36.3	37.0	38.2	39.3	39.1	37.4	34.7	33.8	32.2	30.6	30.6	31.4		23	39.3	37.0	30.4
3/3/08	32.7	34.5	32.9	32.0	32.8	32.2	31.1	30.9	33.4	34.2	34.4	34.7	34.1	34.3	35.0	35.6	36.9	36.1	32.4	32.6	31.2	29.9	30.5		23	36.9	35.1	33.2
3/4/08	31.1	32.1	31.3	30.0	28.6	27.1	26.6	25.5	25.5	14.5	22.2						42.2	39.0	33.1	28.3	26.1	30.1	25.3		18	42.2	33.1	28.8
3/5/08	35.7		47.5	31.2	30.8	32.1	31.1	30.5	32.2	34.8	35.6			42.2	40.6	41.2	43.0	43.1	37.1	35.1	38.6	35.3	33.2		20	47.5	41.2	36.5
3/6/08	30.4	31.2	28.0	26.8	25.9	25.3	29.4	29.2	32.0	34.1	33.1	36.5	40.0	40.9	41.5	40.8	39.5	39.4	37.2	32.5	28.8	29.1	30.0		23	41.5	39.5	33.1
3/7/08	29.9	27.0	25.7	24.7	25.2	23.9	23.4	24.7	29.9	34.0	36.8	37.6	38.4	39.3	39.7	40.2	40.7	39.9	38.2	36.7	34.9	34.3	33.5		23	40.7	39.3	33.0
3/8/08	32.5	31.5	30.4	27.9	27.2	28.2	28.0	28.3	32.2	40.4	41.4	40.0	38.1	36.4	37.9	41.4	41.9	41.3	39.5	38.7	38.4	33.2	30.7		23	41.9	39.8	35.0
3/9/08	31.2	32.0	33.7	32.6	34.5	36.4	37.4	38.1	38.4	38.3	39.2	40.7	41.1	41.7	42.4	43.0	43.9	43.5	40.2	37.6	32.1	32.2	29.7		23	43.9	42.1	37.4
3/10/08	31.5	28.6	29.3	28.8	26.6	24.4	23.0	23.6	30.1	33.8	35.7	40.6	43.8	45.1	46.4	47.0	47.6	45.8	37.4	36.3	35.5	35.9	31.5		23	47.6	44.2	35.1
3/11/08	34.3	39.1	37.3	37.9	35.2	31.3	31.6	30.2	31.7	37.1	44.0	46.0	44.7	44.9	46.8										15	46.8	43.9	38.1
3/12/08	31.9			31.1	31.2	28.3	29.4	30.0	38.1	35.4	34.7	37.3	42.5	43.4	42.3	41.9	42.6	41.1	37.1	39.6	36.7	35.9	35.3		21	43.4	41.3	36.5
3/13/08	32.6	31.1	31.6	30.4	23.8	25.1	25.3	25.7	31.8	34.0	36.7	37.9	39.5	40.6	44.3	45.0	45.1	44.8	42.8	38.5	32.4	33.1	33.3		23	45.1	42.6	35.0
3/14/08	30.6	31.0	32.5	29.6	29.9	27.9	26.6	26.8	30.3	36.7	36.5	35.9	36.8	37.1	37.4	37.6	36.7	35.9	31.8	30.0	31.6	30.9	32.7		23	37.6	36.8	32.7
3/15/08	18.4	17.9	20.9	21.6	20.1	19.8	18.4	18.4	29.0	34.2	36.9	39.1	40.3	40.8	41.0	41.6	41.8	41.2	40.2	34.2	33.8	33.5	34.2		23	41.8	40.8	31.2
3/16/08	31.8	28.7	26.1	22.3	24.1	25.3	28.3	27.5	26.4	27.4	29.5	33.7	35.2	37.6	38.3	38.6	38.5	36.0	33.4	32.4	32.2	34.4	33.9		23	38.6	36.4	31.4
3/17/08	34.4	32.8	33.8	31.3	30.2	27.2	25.6	24.9	24.4	25.4	26.7	28.8	32.6	37.5	39.0	40.3	40.1	39.6	32.6	26.1	27.3	24.4	22.3		23	40.3	36.3	30.8
3/18/08	20.1	20.6	17.9	23.2	23.2	22.9	21.9	27.8	28.9	35.0	43.7	47.4	48.5	49.1	49.4	49.0	46.3	44.3	39.1	40.8	42.2	40.7	37.6		23	49.4	47.2	35.6
3/19/08	34.0		47.9	35.1	34.5	32.9	33.1	34.9	35.6	37.0	37.8	37.8	37.3	37.2	40.0	41.3	41.9	40.8	41.6	40.8	37.7	34.5	37.2		22	47.9	40.2	37.8
3/20/08	33.7	31.9	31.7	32.0	30.6	28.6	27.0	26.0	25.6	26.0	25.7	25.6	24.9	24.3	27.5	28.4	24.8	23.4	22.8	22.5	23.1	22.6	22.3		23	33.7	30.2	26.6
3/21/08	25.2	27.5	29.7	28.2	25.8	26.5	28.3	28.0	29.1	36.0	37.2	36.9	38.2	38.0	36.9	36.1	36.0	37.5	37.1	34.2	30.2	24.9	29.8		23	38.2	37.1	32.1
3/22/08	26.2	23.2	19.1	28.9	37.5	37.1	40.6	41.1	42.4	41.6	43.5	44.1	43.8	43.0	43.0	43.5	42.5	41.5	39.6	35.3	32.7	32.2	25.2		23	44.1	43.1	36.9
3/23/08	27.5	31.1	29.8	28.2	27.5	27.9	26.3	27.3	33.8	36.9	36.8	37.4	38.5	39.2	39.8	40.2	40.8	38.5	35.1	30.8	32.5	31.1	28.2		23	40.8	38.9	33.3
3/24/08	29.1	29.4	29.4	29.9	30.1	30.2	30.5	30.1	30.5	30.5	31.2	32.5	34.6	36.2	39.4	41.9	44.4	41.8	40.9	39.7	43.0	45.4	43.1		23	45.4	42.6	35.4
3/25/08	42.5	43.4	42.0	41.9	41.0	39.7	38.4	38.6	38.6	37.9	35.1	37.0	39.4	41.2	42.3	43.0	44.3	44.4	42.6	42.0	39.7	32.9	29.5		23	44.4	42.4	39.9
3/26/08	32.1		48.7	33.5	32.5	29.4	26.0	26.7	32.9	40.8	43.5	44.4	45.1	45.2	45.5	46.7	46.0	45.6	41.5	40.0	41.8	45.1	44.6		22	48.7	45.3	39.9
3/27/08	46.7	45.4	44.7	45.4	44.8	45.1	44.9	44.7	45.1	46.0	46.4	43.6	39.6	43.5	45.4	48.5	49.2	49.9	45.7	40.4	39.1	40.3	41.9		23	49.9	45.8	44.6
3/28/08	43.6	41.3	42.3	42.9	45.9	46.9	44.5	40.9	40.9	40.9	39.5	39.7	39.2	40.4	40.5	41.0	41.5	40.1	38.3	35.6	33.8	31.4	29.6		23	46.9	43.5	40.0
3/29/08	28.0	29.4	32.7	32.7	33.0	34.7	36.6	35.8	37.1	39.5	41.0	40.9	44.6	45.5	49.0	49.3	49.8	46.2	41.1	39.0	38.4	41.5	42.7		23	49.8	45.8	39.5
3/30/08	39.1	36.2	30.1	30.0	35.0	37.5	36.0	36.6	35.5	36.5	37.7	38.6	39.4	40.4	41.8	42.5	42.5	41.1	38.8	33.6	33.3	31.3	28.8		23	42.5	40.6	36.6
3/31/08	38.0	31.7	31.6	33.0	33.4	31.2	35.4	36.4	38.7	39.8	40.3	40.8	41.0	44.4	45.7	31.7	37.2	41.0	41.5	41.6	39.7	38.7	38.8		23	45.7	40.9	37.9
hr max	46.7	45.4	48.7	45.4	45.9	46.9	44.9	44.7	45.1	46.0	46.4	47.4	48.5	49.1	49.4	49.3	49.8	49.9	45.7	42.0	43.0	45.4	44.6	0.0				
hr min	18.4	16.9	17.8	17.8	20.1	19.8	18.4	18.4	24.2	14.5	22.2	25.6	24.9	24.3	27.5	28.4	24.8	23.4	22.8	22.5	23.1	22.6	22.3	0.0				
average	31.7	30.9	32.1	30.6	30.6	30.2	30.3	30.4	32.7	34.7	36.2	37.9	38.9	40.0	41.0	41.0	41.3	40.4	37.5	35.3	34.3	33.5	32.5	#DIV/0!				

	monthly max hr	daily max 8hr	monthly ave hr
	49.9	47.2	34.9
	3/27/08	3/18/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	693
possible hours	744
data capture	93.1%

monthly rolling max 8 hr aver. 47.2 3/18/08 11:00

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
DegC
StnT

data
channel
DegC

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid hr count	daily max hr	daily min hr	daily ave hr
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
3/1/08	27	26	26	26	26	26	26	26	26	26	27	27	27	28	28	29	29	30	29	28	28	27	27	28	24	29.7	26.1	27.3
3/2/08	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	24	27.4	26.4	26.9
3/3/08	26	26	26	26	25	25	25	25	25	26	26	26	26	26	26	26	26	24	25	22	25	26	26	27	24	26.6	21.9	25.4
3/4/08	27	27	27	26	26	26	26	26	26	26	27	27	27	27	26	29	26	26	27	27	27	27	27	27	24	28.6	25.5	26.6
3/5/08	24	24	24	23	23	22	22	22	22	23	24	25	24	24	23	23	23	23	23	23	23	22	22	23	24	24.8	21.6	23.2
3/6/08	22	22	22	22	21	21	21	21	22	22	22	22	22	22	22	22	22	22	22	21	21	21	21	21	24	22.2	20.9	21.6
3/7/08	21	21	20	20	20	20	20	20	20	21	21	21	21	21	22	22	22	22	22	22	22	22	22	22	24	21.9	19.7	21.0
3/8/08	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	22	23	24	22.8	21.6	22.2
3/9/08	23	23	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	23	23	23	23	23	22	23	24	23.1	22.2	22.6
3/10/08	22	22	22	22	22	22	22	22	22	23	23	23	24	24	25	27	28	30	30	30	30	29	28	27	24	30.4	21.8	24.9
3/11/08	26	25	25	24	24	24	24	23	24	24	25	26	27	29	30	31	32	33	33	33	33	32	31	31	24	33.3	23.4	27.8
3/12/08	31	31	31	31	30	29	28	27	27	26	26	26	26	27	28	28	29	29	29	29	29	28	28	27	24	31.3	25.7	28.2
3/13/08	26	25	25	24	24	23	23	23	23	23	23	23	24	24	23	23	23	23	23	23	22	22	23	23	24	26.4	22.3	23.4
3/14/08	23	23	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	23	23	23	23	22	22	23	24	22.8	22.0	22.4
3/15/08	22	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	22	22	23	23	22	22	22	23	24	22.9	21.6	22.3
3/16/08	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	24	23.1	21.8	22.5
3/17/08	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	24	23	23	23	23	24	23.7	22.8	23.1
3/18/08	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	24	24	23	23	23	24	23.9	22.6	23.1
3/19/08	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	24	23	23	23	23	23	23	23	24	23.5	22.5	22.9
3/20/08	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	24	23.0	22.7	22.9
3/21/08	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	24	23.0	22.6	22.8
3/22/08	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	24	23.1	22.6	22.8
3/23/08	23	23	22	22	22	22	22	22	22	23	23	23	23	23	23	24	24	24	23	23	23	23	22	23	24	23.9	22.0	22.7
3/24/08	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	23	23	23	24	24	23	23	23	24	23.6	21.9	22.7
3/25/08	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	24	24	24	24	23	23	23	23	23	24	23.6	22.7	23.0
3/26/08	23	23	23	23	23	23	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	24	23.2	22.4	22.8
3/27/08	23	23	23	23	23	23	23	23	23	23	23	23	22	23	22	22	22	23	23	23	23	23	23	23	24	22.9	22.4	22.6
3/28/08	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	24	23.0	22.1	22.6
3/29/08	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	24	23	23	22	23	23	24	23.6	22.4	22.8
3/30/08	23	23	23	23	23	23	23	23	23	23	23	23	23	23	24	24	24	24	24	24	24	24	24	24	24	24.4	22.7	23.3
3/31/08	24	24	24	23	23	23	23	23	23	23	23	23	24	24	23	23	22	22	23	23	23	23	23	23	24	23.7	22.1	23.1
hr max	30.7	30.7	31.3	30.6	29.8	28.8	27.8	27.1	26.7	26.7	26.9	27.3	27.1	28.6	30.1	31.4	32.3	33.0	33.3	33.2	32.7	32.0	31.2	31.2				
hr min	20.8	20.5	20.3	20.1	20.0	19.9	19.8	19.7	20.0	20.5	20.9	21.1	21.3	21.4	21.6	21.7	21.9	21.9	21.6	21.3	21.1	21.0	20.9	21.1				
average	23.7	23.5	23.4	23.3	23.2	23.1	23.0	22.9	23.0	23.2	23.3	23.5	23.6	23.7	23.9	24.1	24.1	24.2	24.3	24.0	24.0	23.8	23.7	23.9				

monthly max hr	monthly min hr	monthly ave hr
33.3	19.7	23.6
3/11/08	3/7/08	

note: 10 hours of SO2 and O3 were pulled when station temps got over 32.

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
w/m2
solar

data
channel
w/m2

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	24 hr	total
3/1/08	0	0	0	0	0	0	0	35	168	310	464	581	602	545	557	453	453	102	5	0	0	0	0	0	24	602	4273	4273
3/2/08	0	0	0	0	0	0	0	5	41	50	79	112	166	271	298	223	138	69	10	0	0	0	0	0	24	298	1462	1462
3/3/08	0	0	0	0	0	0	0	36	191	367	508	603	648	644	584	473	324	112	7	0	0	0	0	0	24	648	4498	4498
3/4/08	0	0	0	0	0	0	0	23	72	145	260	424	616	450	314	137	51	0	0	0	0	0	0	0	24	616	2492	2492
3/5/08	0	0	0	0	0	0	0	33	186	388	537	636	679	668	604	488	339	153	10	0	0	0	0	0	24	679	4718	4718
3/6/08	0	0	0	0	0	0	0	24	96	198	343	506	439	571	594	468	306	160	20	0	0	0	0	0	24	594	3724	3724
3/7/08	0	0	0	0	0	0	0	93	257	374	537	674	690	679	531	436	262	154	10	0	0	0	0	0	24	690	4697	4697
3/8/08	0	0	0	0	0	0	0	10	43	82	112	98	108	76	125	135	178	151	15	0	0	0	0	0	24	178	1131	1131
3/9/08	0	0	0	0	0	0	0	23	113	318	389	558	543	637	594	506	354	173	23	0	0	0	0	0	24	637	4230	4230
3/10/08	0	0	0	0	0	0	0	55	224	400	542	636	679	676	619	508	361	177	24	0	0	0	0	0	24	679	4900	4900
3/11/08	0	0	0	0	0	0	0	36	145	305	282	328	422	498	400	203	124	65	5	0	0	0	0	0	24	498	2811	2811
3/12/08	0	0	0	0	0	0	0	24	25	68	168	383	648	674	552	459	288	110	16	0	0	0	0	0	24	674	3415	3415
3/13/08	0	0	0	0	0	0	0	71	245	413	564	658	705	621	513	483	364	190	15	0	0	0	0	0	24	705	4840	4840
3/14/08	0	0	0	0	0	0	0	31	110	183	232	256	293	291	281	491	246	176	23	0	0	0	0	0	24	491	2614	2614
3/15/08	0	0	0	0	0	0	0	129	251	432	586	690	722	722	660	540	296	171	41	0	0	0	0	0	24	722	5241	5241
3/16/08	0	0	0	0	0	0	0	77	209	386	539	642	555	502	280	181	145	74	16	0	0	0	0	0	24	642	3606	3606
3/17/08	0	0	0	0	0	0	0	20	77	161	252	572	693	699	672	618	382	200	33	0	0	0	0	0	24	699	4379	4379
3/18/08	0	0	0	0	0	0	6	144	332	459	597	683	722	719	644	428	225	195	18	0	0	0	0	0	24	722	5169	5169
3/19/08	0	0	0	0	0	0	0	47	137	249	300	272	286	529	535	419	399	210	33	0	0	0	0	0	24	535	3415	3415
3/20/08	0	0	0	0	0	0	0	18	51	67	56	167	130	114	92	65	33	10	0	0	0	0	0	0	24	167	803	803
3/21/08	0	0	0	0	0	0	0	32	95	158	259	305	289	288	239	204	129	49	16	0	0	0	0	0	24	305	2063	2063
3/22/08	0	0	0	0	0	0	0	15	43	117	188	227	400	394	514	357	229	97	39	0	0	0	0	0	24	514	2618	2618
3/23/08	0	0	0	0	0	0	14	164	314	469	517	709	763	754	678	576	419	227	49	0	0	0	0	0	24	763	5654	5654
3/24/08	0	0	0	0	0	0	8	111	203	362	620	713	747	687	677	561	397	156	31	0	0	0	0	0	24	747	5272	5272
3/25/08	0	0	0	0	0	0	9	98	220	348	394	553	689	744	661	508	414	230	54	0	0	0	0	0	24	744	4923	4923
3/26/08	0	0	0	0	0	0	12	115	238	395	457	529	586	480	297	132	55	21	6	0	0	0	0	0	24	586	3322	3322
3/27/08	0	0	0	0	0	0	8	79	248	420	539	721	865	757	713	630	461	246	39	0	0	0	0	0	24	865	5725	5725
3/28/08	0	0	0	0	0	0	8	52	170	277	501	403	461	501	614	530	342	204	68	0	0	0	0	0	24	614	4131	4131
3/29/08	0	0	0	0	0	0	11	110	280	459	449	458	673	657	356	305	312	20	9	0	0	0	0	0	24	673	4099	4099
3/30/08	0	0	0	0	0	0	6	47	101	207	270	397	653	685	460	447	206	105	28	0	0	0	0	0	24	685	3613	3613
3/31/08	0	0	0	0	0	0	9	56	122	233	366	462	425	545	550	391	171	108	26	0	0	0	0	0	24	550	3462	3462
hr max	0	0	0	0	0	0	14	164	332	469	620	721	865	757	713	630	461	246	68	0	0	0	0	0	monthly	monthly	monthly	
hr min	0	0	0	0	0	0	0	5	25	50	56	98	108	76	92	65	33	0	0	0	0	0	0	0	max hr	Max24hr	Total	
average	0	0	0	0	0	0	3	58	161	284	384	482	545	551	491	399	271	133	22	0	0	0	0	0	865	5725	117296	
																									3/27/08	3/27/08		

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
mmhg
BP

data
channel
mmhg

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily	daily	daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr	min hr	ave hr
3/1/08	706	705	704	703	703	703	702	702	702	702	702	701	700	699	699	698	698	697	696	695	695	694	693	693	24	706	693.3	699.6
3/2/08	694	694	695	695	696	697	698	699	699	700	701	702	702	703	703	704	705	706	707	708	708	709	709	710	24	710	694.2	701.7
3/3/08	710	711	711	710	711	711	712	712	712	711	711	710	710	709	708	707	706	706	705	705	704	703	702	702	24	712	701.8	708.2
3/4/08	701	700	700	699	698	698	698	698	698	698	698	698	697	697	697	697	698	699	700	701	702	703	704	705	24	705	697.0	699.3
3/5/08	705	706	706	707	708	708	709	710	710	710	710	710	709	709	708	708	707	707	707	707	707	708	708	709	24	710	705.3	707.9
3/6/08	709	709	708	708	708	707	707	708	708	709	709	710	710	710	711	711	712	712	713	714	714	715	715	715	24	715	707.3	710.4
3/7/08	715	716	716	715	715	715	715	715	715	715	714	714	713	712	711	710	708	708	707	707	706	705	704	703	24	716	702.8	711.4
3/8/08	702	701	701	700	700	700	700	700	701	701	701	702	702	703	703	703	704	704	704	705	705	706	706	707	24	707	700.0	702.5
3/9/08	707	707	707	708	708	709	709	710	711	711	712	712	712	712	712	712	712	712	713	713	713	713	713	713	24	713	706.8	710.9
3/10/08	713	713	713	713	713	713	713	713	713	712	713	713	712	711	710	710	709	709	709	708	708	708	707	707	24	713	706.9	710.8
3/11/08	707	707	706	706	706	706	706	706	706	705	705	705	704	704	703	702	702	702	701	701	701	700	700	700	24	707	699.9	703.7
3/12/08	700	699	699	698	698	698	699	699	700	700	700	699	699	698	698	698	698	698	699	699	699	700	700	700	24	700	697.5	698.8
3/13/08	700	700	700	700	700	700	700	700	700	700	699	699	699	699	698	698	698	699	699	699	700	700	701	701	24	701	698.0	699.5
3/14/08	701	701	701	701	701	702	702	703	703	703	703	703	703	703	703	703	704	704	705	705	705	705	705	706	24	706	701.1	703.2
3/15/08	706	706	707	707	707	707	707	707	708	708	708	708	707	707	707	707	707	707	707	707	708	708	708	709	24	709	705.9	707.1
3/16/08	708	708	709	709	709	709	709	709	710	710	710	709	709	709	709	709	709	709	709	709	709	709	709	709	24	710	708.4	708.9
3/17/08	709	709	708	708	708	707	708	707	707	707	706	705	705	704	704	703	703	703	703	703	703	703	703	703	24	709	702.5	705.3
3/18/08	703	703	703	703	703	703	704	704	705	705	706	706	706	705	705	705	705	705	705	705	705	706	706	706	24	706	702.9	704.6
3/19/08	705	705	705	704	704	704	704	704	704	704	704	704	703	703	703	703	704	704	705	706	706	707	707	707	24	707	703.0	704.5
3/20/08	707	707	707	707	707	707	708	708	708	707	707	707	706	706	705	705	705	705	706	706	706	707	707	707	24	708	704.5	706.6
3/21/08	708	708	708	708	708	708	709	709	709	709	709	709	710	709	709	709	709	710	710	711	711	711	712	712	24	712	707.5	709.3
3/22/08	712	712	713	713	714	714	715	716	716	717	718	718	718	718	718	718	718	718	718	718	718	718	719	719	24	719	712.2	716.4
3/23/08	719	719	718	718	718	718	718	718	719	719	718	718	718	717	716	716	715	715	714	713	713	712	711	711	24	719	710.6	716.2
3/24/08	710	709	708	707	706	705	704	703	702	701	701	700	699	699	698	697	697	697	698	698	698	699	700	700	24	710	696.9	701.5
3/25/08	701	701	701	702	702	702	703	703	704	704	705	706	706	706	706	706	705	706	706	706	706	707	707	708	24	708	700.6	704.5
3/26/08	708	708	708	708	708	708	709	709	709	709	709	708	708	707	707	706	706	706	707	706	707	707	707	706	24	709	706.1	707.5
3/27/08	707	707	707	707	707	706	707	707	707	708	708	708	708	708	708	708	708	708	708	708	708	709	709	709	24	709	706.4	707.5
3/28/08	709	709	709	709	709	709	710	710	710	710	710	710	709	709	708	708	708	708	708	708	708	708	707	707	24	710	707.3	708.8
3/29/08	707	706	706	705	704	703	703	702	702	701	700	700	699	698	697	697	696	697	697	698	700	702	703	703	24	707	696.0	701.0
3/30/08	704	705	706	707	708	708	708	709	709	709	710	710	710	709	709	709	709	709	709	708	708	709	709	708	24	710	704.1	708.3
3/31/08	708	708	707	707	707	706	706	707	707	707	707	707	707	707	707	707	707	708	708	709	709	710	710	711	24	711	706.0	707.5
hr max	718.6	718.5	718.3	718.1	718.1	718.1	718.1	718.4	718.6	718.5	718.4	718.1	718.1	718.0	717.8	717.7	717.7	717.8	717.9	718.1	718.4	718.4	718.5	718.7				
hr min	694.2	694.4	694.6	695.2	695.9	696.5	697.8	697.8	697.9	697.8	697.9	697.8	697.4	697.1	697.0	696.5	696.0	696.7	695.9	695.3	694.8	693.9	693.4	693.3				
average	706.5	706.4	706.3	706.1	706.1	706.2	706.4	706.6	706.7	706.8	706.8	706.8	706.5	706.1	705.7	705.5	705.4	705.5	705.7	705.9	706.1	706.3	706.5	706.6				

monthly max hr	monthly min hr	monthly ave hr
719	693.3	706.2
3/22/08	3/1/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
%
RH

data
channel
%

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid hr count	daily max hr	daily min hr	daily ave hr
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
3/1/08	84.5	81.4	84.6	84.1	84.4	87.8	91.7	93.0	86.4	79.4	71.4	63.7	57.3	54.1	49.5	49.5	49.5	62.1	75.1	84.0	90.8	94.2	95.6	96.8	24	96.8	49.5	77.1
3/2/08	97.6	97.8	98.2	98.4	95.2	91.0	88.0	81.5	77.5	70.0	69.3	62.6	58.9	56.8	53.9	53.7	55.6	53.0	52.7	58.0	63.5	66.9	65.9	67.7	24	98.4	52.7	72.2
3/3/08	64.6	61.9	68.5	71.2	69.9	72.3	75.7	74.9	66.0	57.0	48.9	42.8	39.1	35.4	33.6	34.6	37.8	43.5	55.6	58.0	56.1	60.3	57.9	53.6	24	75.7	33.6	55.8
3/4/08	54.3	51.8	53.5	57.0	59.3	62.8	62.9	65.3	63.2	59.0	51.2	45.1	39.6	38.9	39.1	41.7	53.4	60.2	77.2	91.9	91.7	89.8	91.2	87.1	24	91.9	38.9	62.0
3/5/08	83.3	85.0	86.8	85.0	82.4	79.6	82.9	83.3	77.7	73.2	69.5	62.9	52.8	42.7	35.9	33.4	30.0	28.9	39.5	46.7	85.9	87.4	89.5	90.6	24	90.6	28.9	67.3
3/6/08	91.4	91.3	90.4	90.9	91.6	91.2	91.4	88.0	87.4	87.6	83.2	77.2	72.5	66.6	61.1	61.1	65.4	63.2	70.0	79.3	83.0	83.8	81.8	82.4	24	91.6	61.1	80.5
3/7/08	82.3	83.0	84.3	84.7	84.0	84.0	83.6	84.3	82.4	75.7	61.9	53.1	47.2	39.6	36.2	33.6	35.9	41.0	46.3	49.9	59.3	63.7	63.8	63.5	24	84.7	33.6	63.5
3/8/08	63.6	65.5	68.3	71.1	72.2	73.4	75.7	75.8	75.5	71.2	69.2	70.8	72.9	80.9	78.6	66.1	62.2	60.7	66.5	68.6	72.9	84.7	87.6	84.1	24	87.6	60.7	72.4
3/9/08	84.3	86.4	87.9	90.8	92.1	91.8	91.3	90.1	88.1	81.3	75.0	70.3	65.4	58.3	51.8	49.2	47.7	51.1	58.3	67.8	79.7	78.9	82.3	81.4	24	92.1	47.7	75.1
3/10/08	78.7	80.9	82.2	84.0	85.5	87.2	87.1	82.5	65.0	50.9	40.8	32.4	28.9	26.5	24.7	24.1	24.4	26.0	37.2	46.6	50.0	52.2	59.9	65.7	24	87.2	24.1	55.1
3/11/08	59.7	48.7	53.7	51.8	58.7	65.3	64.1	64.7	57.1	42.2	31.0	28.9	27.7	24.8	23.1	25.1	26.3	27.5	35.2	40.9	45.4	48.0	50.8	53.0	24	65.3	23.1	43.9
3/12/08	54.8	50.6	54.4	60.3	62.7	62.7	67.1	72.6	82.6	89.9	80.2	60.2	39.4	36.6	41.1	38.0	31.8	33.9	41.6	45.4	53.6	48.3	49.8	55.5	24	89.9	31.8	54.7
3/13/08	58.6	65.1	72.0	74.5	82.6	81.5	80.8	72.7	57.8	45.7	37.6	33.5	31.0	28.8	26.4	25.2	30.5	33.3	38.6	48.3	59.8	61.1	67.2	79.1	24	82.6	25.2	53.8
3/14/08	82.2	82.6	85.9	84.9	84.3	86.8	89.3	90.4	87.6	80.8	74.4	71.5	68.9	66.5	62.6	57.8	57.8	57.2	66.1	74.1	76.3	83.8	80.9	83.1	24	90.4	57.2	76.5
3/15/08	90.5	91.5	92.3	93.3	94.0	93.8	94.0	90.3	88.3	80.5	67.5	55.7	47.4	41.7	38.6	36.2	38.4	41.4	51.2	67.6	72.8	73.9	74.9	77.5	24	94.0	36.2	70.6
3/16/08	84.2	87.8	91.3	93.4	90.2	88.0	84.6	81.4	76.6	66.4	56.2	45.9	41.7	38.2	39.7	52.6	82.4	69.2	69.2	66.6	68.6	67.6	71.0	68.2	24	93.4	38.2	70.0
3/17/08	77.5	86.0	89.2	92.3	94.6	95.6	97.6	96.7	94.4	89.0	81.6	67.3	56.3	50.3	47.1	43.7	45.1	46.9	60.2	79.0	84.9	90.5	94.4	95.2	24	97.6	43.7	77.3
3/18/08	94.6	95.6	94.6	90.7	92.1	94.2	96.0	91.7	82.1	63.5	42.7	29.1	25.3	23.4	22.5	22.3	30.2	39.5	52.1	65.4	69.9	78.0	80.7	81.4	24	96.0	22.3	64.9
3/19/08	82.3	79.5	76.6	76.4	79.1	80.3	81.2	73.3	62.8	50.9	44.3	41.2	39.8	38.2	36.1	36.8	38.7	59.6	82.9	92.9	94.7	95.2	96.3	97.4	24	97.4	36.1	68.2
3/20/08	97.6	89.1	84.1	81.7	85.7	88.9	92.3	97.0	97.9	97.5	95.3	96.8	96.3	98.2	99.0	98.5	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0	24	100.0	81.7	95.6
3/21/08	99.6	99.2	99.0	99.1	97.5	97.9	98.8	98.9	99.3	99.3	99.0	98.6	98.1	97.9	94.1	91.6	92.0	91.7	91.1	93.9	96.3	97.4	97.6	96.7	24	99.6	91.1	96.9
3/22/08	97.4	93.8	95.1	95.5	95.1	92.8	89.3	88.7	86.4	84.5	81.3	77.4	71.7	68.6	63.2	63.5	70.4	72.2	82.7	92.5	96.1	96.8	98.1	96.1	24	98.1	63.2	85.4
3/23/08	96.0	91.2	91.0	91.9	93.0	92.6	92.0	88.5	83.9	77.2	72.6	67.7	63.5	58.3	53.5	49.9	51.0	60.7	72.8	86.7	83.6	85.3	86.9	86.4	24	96.0	49.9	78.2
3/24/08	87.2	88.0	87.3	85.4	83.4	81.4	77.9	75.8	70.6	63.7	52.6	42.7	34.6	29.5	25.0	22.3	20.9	24.7	36.2	40.6	32.7	22.1	20.9	23.5	24	88.0	20.9	51.2
3/25/08	27.9	31.9	39.0	40.8	44.4	47.9	50.1	47.3	46.2	50.5	56.4	56.5	51.3	45.3	41.3	38.1	34.7	34.1	37.2	51.3	58.1	72.6	80.9	75.5	24	80.9	27.9	48.3
3/26/08	75.1	73.2	73.8	75.2	77.8	81.3	84.2	75.0	63.9	45.3	34.0	31.1	30.5	31.7	33.9	36.6	51.1	77.8	97.6	99.0	99.5	99.7	99.6	99.2	24	99.7	30.5	68.6
3/27/08	98.8	98.6	98.5	98.3	98.1	97.8	97.2	97.0	96.3	97.0	96.4	94.2	87.2	80.7	71.0	58.0	57.8	58.9	73.5	83.3	87.7	87.7	86.3	87.0	24	98.8	57.8	87.0
3/28/08	90.5	90.9	90.1	90.8	90.6	89.8	88.3	89.7	90.1	90.0	88.7	88.1	86.1	81.3	78.3	78.1	80.4	83.0	85.5	92.3	92.9	93.2	95.2	96.8	24	96.8	78.1	88.4
3/29/08	94.8	93.0	86.9	84.6	83.4	81.4	79.5	81.1	76.5	72.3	72.5	71.9	62.9	60.3	53.5	49.5	46.0	57.5	70.3	72.3	69.0	58.7	53.3	57.6	24	94.8	46.0	70.4
3/30/08	60.1	65.9	78.0	82.2	80.4	74.9	75.4	70.7	73.1	72.6	70.0	66.0	59.6	51.6	44.7	41.3	43.8	49.1	56.3	68.2	70.2	74.2	78.0	79.1	24	82.2	41.3	66.1
3/31/08	86.2	95.6	97.7	98.4	98.7	98.7	98.1	97.1	95.2	92.3	90.2	88.7	86.7	84.3	82.0	78.6	79.0	83.8	89.3	93.3	93.3	82.8	82.5	84.2	24	98.7	78.6	89.9
hr max	99.6	99.2	99.0	99.1	98.7	98.7	98.8	98.9	99.3	99.3	99.0	98.6	98.1	98.2	99.0	98.5	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0				
hr min	27.9	31.9	39.0	40.8	44.4	47.9	50.1	47.3	46.2	42.2	31.0	28.9	25.3	23.4	22.5	22.3	20.9	24.7	35.2	40.6	32.7	22.1	20.9	23.5				
average	80.0	80.1	81.8	82.5	83.3	83.7	84.1	82.6	78.6	72.8	66.6	61.1	56.1	52.8	49.7	48.1	50.6	54.6	63.5	71.1	75.4	76.7	78.1	78.9				

monthly max hr	monthly min hr	monthly ave hr
100.0	20.9	70.5
3/20/08	3/24/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	744
possible hours	744
data capture	100.0%

Basin Electric - Gettysburg S.D. Monitoring Program
March-08
in
Prcp

data
channel
in

hr beg	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	valid	daily		daily
hr end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	hr count	max hr		total
3/1/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/2/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/3/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/4/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/5/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/6/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/7/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/8/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/9/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/10/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/11/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/12/08	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	24	0.01		0.02
3/13/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/14/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/15/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/16/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/17/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/18/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/19/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/20/08	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0	0	24	0.01		0.07
3/21/08	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	24	0.01		0.01
3/22/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/23/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/24/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/25/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/26/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0.01	0	0	24	0.01		0.03
3/27/08	0	0	0	0	0	0	0	0	0.01	0.02	0.05	0.01	0	0	0	0	0	0	0	0	0	0	0	0	24	0.05		0.09
3/28/08	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.01		0.01
3/29/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0.03	0	0	0	0	24	0.03		0.04
3/30/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.00		0.00
3/31/08	0	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0.01		0.04
hr max	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.03	0.01	0.01	0.00	0.00				
hr min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
total	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.02	0.07	0.02	0.01	0.02	0.00	0.00	0.01	0.01	0.01	0.05	0.02	0.02	0.00	0.00				

monthly max hr	monthly 24h max	monthly TOTAL
0.05	0.09	0.31
3/27/08	3/27/08	

Validated by: Roger L Thompson Date: 4/3/08
Analyst: Denise Hazelman Date: 4/3/08

valid hours	744
possible hours	744
data capture	100.0%

Appendix E

ARS Audit Report

Air Resource Specialists, Inc.

1901 Sharp Point Drive
Suite E
Fort Collins, Colorado 80525
970-484-7941
FAX: 970-484-3423

April 21, 2008

Vince Scheetz
ENSR
1601 Prospect Parkway
Fort Collins, CO 80525

RE: Air Quality and Meteorology Audit Report Entitled:
Audit Report for Basin NextGen Project
Gettysburg, South Dakota, First Quarter 2008

Dear Vince:

Enclosed for your use are two bound copies and one unbound copy of the above referenced report.

Air Resource Specialists, Inc. appreciates this opportunity to assist ENSR with independent quality assurance audit services. Please contact me if you have any questions or need any additional information.

Sincerely,

Martin H. Valvur
Project Manager

MHV/jg
Enclosures

AUDIT REPORT

FOR

BASIN NEXTGEN PROJECT
GETTYSBURG, SOUTH DAKOTA
FIRST QUARTER 2008

Prepared for

ENSR
1601 Prospect Parkway
Fort Collins, Colorado 80525

Prepared by

AIR RESOURCE SPECIALISTS, INC.
1901 Sharp Point Drive, Suite E
Fort Collins, Colorado 80525
Telephone: 970-484-7941
Fax: 970-484-3423

April 21, 2008

TABLE OF CONTENTS

Section		Page
1.0	AUDIT SUMMARY	1-1
2.0	AUDIT METHODS	2-1
2.1	Gaseous Analyzers (O_3, SO_2, NO_x, and CO)	2-1
2.1.1	In-Station Standards Comparisons	2-2
2.2	Particulate Samplers	2-2
3.0	AUDIT EQUIPMENT	3-1
4.0	AUDIT RESULTS	4-1
4.1	Audit Findings	4-1
APPENDIX A	Audit Data Forms	A-1
APPENDIX B	Relevant Formulae for Computing NO_2 Input Concentration	B-1
APPENDIX C	Audit Standards Certifications	C-1

LIST OF TABLES

Table		Page
1-1	Summary of Ambient Air Quality Audit Results	1-2
2-1	Gaseous Analyzers, Audit Challenge Ranges and Acceptance Criteria	2-1
2-2	Particulate Samplers, Audit Methods and Acceptance Criteria	2-2
3-1	Audit Equipment	3-1
4-1	Summary of Audit Findings, Continuous Gaseous Analyzers Basin NextGen Project, Gettysburg, South Dakota, March 5, 2008	4-2
4-2	Summary of Audit Findings, Particulate Samplers Basin NextGen Project, Gettysburg, South Dakota, March 5, 2008	4-3
4-3	Summary of Audit Findings, Standards Comparisons Basin NextGen Project, Gettysburg, South Dakota, March 5, 2008	4-3

1.0 AUDIT SUMMARY

ENSR is operating an ambient air quality and meteorological monitoring station for the Basin NextGen Project, approximately five (5) miles east of Gettysburg, South Dakota. The monitoring program has been designed to fulfill specific regulatory requirements that relate to the Environmental Protection Agency's (EPA) Prevention of Significant Deterioration (PSD) Program. Specific objectives of the ambient air quality and meteorological monitoring program are to:

- Fulfill pre-construction air monitoring required under PSD permitting rules,
- Obtain baseline data on the present ambient air conditions, and
- Provide a comprehensive on-site database for use in dispersion modeling using ISCST3, AERMOD, and CALPUFF.

To meet these objectives, ENSR has installed an ambient air quality monitoring station and an instrumented 100-meter meteorological tower.

Air Resources Specialists, Inc. (ARS) conducted a performance audit of the monitoring systems on March 5, 2008. Guidance from the following EPA documents was used to establish the audit procedures:

- 40 CFR 58, Appendix A. *Quality Assurance Requirements for SLAMS, SPMs, and PSD Air Monitoring*
- EPA *Quality Assurance Handbook for Air Pollution Measurement Systems:*
  - *Volume I. Principles*
  - *Volume II. Ambient Air Specific Methods*
  - *Volume IV. Meteorological Measurements*
- EPA *Meteorological Monitoring Guidance for Regulatory Modeling Applications*
- EPA *Transfer Standards for Calibration of Air Monitoring Analyzers for Ozone*
- NDEP *Bureau of Air Pollution Control, Ambient Air Quality Monitoring Standards*

At the time of the audit, all of gaseous analyzers and PM_{10} samplers were operating within EPA and project accuracy goals. Meteorological parameters were not audited during this audit.

Ambient air quality audit results are summarized by parameter in Table 1-1.

The monitoring site specifications, as measured by ARS' global positioning system (GPS) and parameters audited are:

- Elevation: 2,050 feet MSL
- Latitude: 45° 02' 37" N
- Longitude: 99° 50' 13" W
- UTM 4988136 N
- UTM 565914 E

Ambient air quality instruments audited were:

- Ozone (O_3) Analyzer
- Sulfur Dioxide (SO_2) Analyzer
- Oxides of Nitrogen (NO, NO_2, and NO_X) Analyzer
- In-Station Calibrator
- Inhalable Particulate (PM_{10}) Sampler (2)

Table 1-1

Summary of Ambient Air Quality Audit Results

Parameter	Instrument/Analyzer	Within Accuracy Goal
Gaseous Samplers		
O_3	TEI* 49i Analyzer	Yes
SO_2	TEI 43i Analyzer	Yes
NO, NO_2, NO_x	TEI 42i Analyzer	Yes
Particulate Samplers		
PM_{10}	Tisch (PM_{10} #1)	Yes
PM_{10}	Tisch (PM_{10} #2)	Yes

*Thermo Environmental Instruments, Inc.

Details of the audit are presented in the following sections:

Section 2.0	Audit Methods
Section 3.0	Audit Equipment
Section 4.0	Audit Results
Appendix A	Audit Data Forms
Appendix B	Relevant Formulae for Computing NO_2 Input Concentration
Appendix C	Audit Standards Certifications

Any questions related to this audit or audit report should be addressed to:

Martin H. Valvur
Air Resource Specialists, Inc.
1901 Sharp Point Drive, Suite E
Fort Collins, Colorado 80525
Telephone: 970-484-7941
Fax: 970-484-3423
E-mail: mvalvur@air-resource.com

2.0 AUDIT METHODS

Audit procedures, audit challenge ranges, and acceptance criteria are described below. These ranges and limits conform to EPA's PSD guidelines. Audit results were verbally communicated to the site operator and the ENSR Project Manager prior to departure from the site. Audit data forms are provided in Appendix A.

2.1 GASEOUS ANALYZERS (O_3, SO_2, AND NO_x)

Audit challenge ranges and acceptance criteria for the ambient gas analyzers are presented in Table 2-1. Audits were conducted by using an ozone primary standard and a gas dilution/gas phase titration system. These systems introduced a reference zero and three (3) test atmospheres to the individual gas analyzers through the normal sampling system, including the sample intake manifold, filters, and scrubbers.

The percent difference between the actual concentration of the audit test gas and the concentration indicated by the analyzer was used to determine if the analyzer was operating within specified limits. Analyzers whose readings at any point differed from the test atmosphere by more than ±15% were considered out of tolerance.

Test atmospheres for the ozone analyzer and the on-site ozone transfer standard were generated using an ozone primary standard (TEI 49C). Test atmospheres for the gaseous SO_2 and NO_x analyzers were generated using the ARS gas dilution/gas phase titration system, zero air supply, and EPA protocol reference gases. The formulae for completing NO_2 input concentrations are provided in Appendix B.

Table 2-1

Gaseous Analyzers
Audit Challenge Ranges and Acceptance Criteria

Parameter	Audit Concentration Ranges (ppm)					Acceptance Criteria
	Level 1	Level 2	Level 3	Level 4	Level 5	
O_3	0.02-0.05	0.06-0.08	0.15-0.20	0.36-0.45	n/a	±15% or ±15 ppb for any point
SO_2	0.003-0.005	0.006-0.01	0.03-0.08	0.15-0.20	0.36-0.40	±15% or ±15 ppb for any point
$NO/NO_2/NO_X$	0.003-0.005	0.03-0.08	0.15-0.20	0.35-0.45	n/a	±15% or ±15 ppb for any point

2.1.1 In-Station Standards Comparisons

In addition to conducting audits of the gaseous analyzers, ARS also conducted a comparison of the in-station calibration standards. The in-station calibration standards consisted of a TEI 146 gas dilution system and a TEI 49C ozone transfer standard. Standards comparisons are not required in the regulatory guidelines; however, ARS has found this to be a useful evaluation tool in cases where analyzers are operating outside of project accuracy goals.

2.2 PARTICULATE SAMPLERS

The volumetric flow controlled PM_{10} particulate samplers were audited in their normal operating mode with a particulate filter installed. ARS audited the samplers with a fixed flow audit orifice. The observed flow of the sampler, based on its most recent calibration, was compared to the observed flow of the ARS audit orifice. The audit value is represented by the percent difference between the two flows. Differences between the sampler and audit flows greater than ±10% are considered out of tolerance. To ensure that the addition of the audit orifice to the sampler did not adversely affect the sampler flow, an additional sampler flow rate, with the particulate filter in place and the audit orifice removed, was performed. This design flow rate of the PM_{10} samplers was compared to the actual flow rate and reported as the percent difference. Values greater than ±10% are considered out of tolerance. Audit methods and acceptable criteria for the particulate samplers are summarized in Table 2-2.

Table 2-2

Particulate Samplers
Audit Methods and Acceptance Criteria

Parameter	Audit Method	Acceptance Criteria
PM_{10} filter sampler	Audit orifice flow to actual sampler flow.	±10%
(EPA Reference Method)	Design criteria flow to actual sampler flow.	±10%

3.0 AUDIT EQUIPMENT

Audits of all criteria pollutant gaseous analyzers were conducted using EPA protocol reference gases. All audit equipment and reference standards were in current calibration and traceable to the NIST or other authoritative references. The nitric oxide (NO) and sulfur dioxide (SO_2) reference gases were traceable to EPA standard reference materials. Table 3-1 lists the specific audit equipment used and certification dates. Copies of standards certifications for the equipment used in the audit are provided in Appendix C.

Table 3-1

Audit Equipment

References	Manufacturer	Model Number	Serial Number	Recertification Date
O_3	TEI	49C	401504-581	05/06/2008
Gas Dilution*	ERT	Gas Cal 82	1229G	05/07/2008
SO_2 (29.35 ppm)	Scott Marrin	--	JJ686	11/16/2008
NO (30.8 ppm)	--	--	JJ686	11/16/2008
Zero Air Source	ARS	Portable	002	N/A
High Vol Cal Orifice	Graseby	G28	C368	12/31/2008
Digital Voltmeter	Fluke	8060A	4735610	01/10/2009

*The Gas Dilution system contains various components that have their own individual serial numbers. The serial number referenced here is for the system as a whole.

4.0 AUDIT RESULTS

Detailed Basin NextGen Project monitoring system audit results of continuous gaseous analyzers and particulate samplers are provided in Tables 4-1 and 4-2, respectively. The standards comparison is shown on Table 4-3. Audit findings and recommendations are discussed below.

4.1 AUDIT FINDINGS

Performance Audit Results

- None.

System Audit Results

- None.

Table 4-1
Summary of Audit Findings
Continuous Gaseous Parameters
Basin NextGen Project
Gettysburg, South Dakota
March 5, 2008

Parameter	Manufacturer	Instrument Serial No.	Designated Audit Value	DAS Observed	ppm Difference	Accuracy Goal (±) * (± ppm)	Percent Difference (± 15%)	Within Accuracy Goal
Ozone - Parts Per Million								
Analyzer	TEI	0517812012	0.000	-0.001	-0.001	0.007	NA	NA
			0.452	0.434	-0.018	0.032	-3.9	Y
Slope = 0.972413	Correlation = 0.999918		0.200	0.186	-0.014	0.014	-7.0	Y
Intercept = -0.005873	Mean % = -6.05		0.090	0.083	-0.007	0.007	-7.3	Y
			0.000	0.000	0.000	0.007	NA	NA
Sulfur Dioxide - Parts Per Million								
SO_2	TEI	29727-236	0.000	0.000	0.000	0.015	NA	NA
			0.438	0.445	0.007	0.066	1.6	Y
Slope =1.009471	Correlation =1		0.195	0.200	0.005	0.029	2.5	Y
Intercept =0.002877	Mean % =2.7		0.088	0.092	0.004	0.015	4.1	Y
			0.000	0.000	0.000	0.015	NA	NA
			0.000	0.000	0.000	0.015	NA	NA
Oxides of Nitrogen - Parts Per Million								
NO	TEI	70181-365	0.000	0.000	0.000	0.015	NA	NA
			0.450	0.469	0.019	0.068	4.1	Y
Slope =1.043141	Correlation =0.999979		0.200	0.206	0.006	0.030	3.1	Y
Intercept = -0.001501	Mean =2.8		0.090	0.091	0.001	0.015	1.3	Y
			0.000	0.000	0.000	0.015	NA	NA
NO_x	TEI	70181-365	0.000	0.000	0.000	0.015	NA	NA
			0.450	0.465	0.015	0.068	3.3	Y
Slope =1.034688	Correlation =0.999983		0.200	0.205	0.005	0.030	2.7	Y
Intercept = -0.001315	Mean =2.1		0.090	0.090	0.000	0.015	0.4	Y
			0.000	0.000	0.000	0.015	NA	NA
NO_2	TEI	70181-365	0.000	-0.001	-0.001	0.015	NA	NA
			0.372	0.384	0.012	0.056	3.3	Y
Slope =1.036596	Correlation =0.999992		0.181	0.185	0.004	0.027	2.4	Y
Intercept = -0.001742	Mean =0.9		0.086	0.087	0.001	0.015	0.9	Y
Converter Efficiency =	101.7%		0.000	0.000	0.000	0.015	NA	NA

* Continuous analyzer accuracy goals are +/- 10.0% of observed. Accuracy goals were taken from 40 CFR, Part 58, Appendix B, Quality Assurance Requirements for Prevention of Significant Deteriorations (PSD) Air Monitoring. All units are in parts per million (ppm).

Table 4-2
Summary of Audit Findings
Particulate Parameters
Basin NextGen Project
Gettysburg, South Dakota
March 5, 2008

Parameter	Manufacturer	Instrument Serial No.	Designated Audit Value	Observed		Accuracy Goal (±) * (+ 10%)	Percent Difference	Within Accuracy Goal
Particulates - Flow ft.^{3}/min.								
PM_{10} Sampler # 1	Graseby	985						
		Audit Flows	39.1	38.3		10.0	-2.0	Y
		Design Flow	40.0	39.6		10.0	-0.8	Y
Particulates - Flow ft.^{3}/min.								
PM_{10} Sampler # 2	Graseby	986						
		Audit Flows	39.7	38.5		10.0	-3.1	Y
		Design Flow	40.0	40.2		10.0	0.8	Y

* PM_{10} sampler accuracy goals are ± 10.0% of observed audit flow, and ± 10.0% of design flow. Accuracy goals were taken from 40 CFR, Part 58, Appendix B, "Quality Assurance Requirements for Prevention of Significant Deterioration (PSD) Air Monitoring."
All units are in cubic feet per minute (CFM).

Table 4-3
Summary of Audit Findings
Standards Comparisons
Bain NextGen Project
Gettysburg, South Dakota
March 5, 2008

Parameter	Manufacturer	Instrument Serial No.	Designated Audit Value	DAS Audit (ppm)		DAS In-Station (ppm)	Percent Difference (+ 15%)	Within Accuracy Goal
NO	TECO	70181-465	0.000	0.000		0.000	NA	N/A
			0.450	0.469		0.457	-2.5	Y
			0.090	0.091		0.091	-0.2	Y
SO_2	TECO	29727-236	0.000	-0.002		0.003	NA	N/A
			0.438	0.445		0.445	0.0	Y
			0.088	0.092		0.088	-4.0	Y

APPENDIX A

AUDIT DATA FORMS

GAS DILUTION AUDIT

$NO/NO_2/GPT$

Date: 3/05/2008 Network: NextGen Site: Basin NextGen Project Auditor: M. H. Valvur

Instrument: TECO Model: 42 S/N: 70181-365 Last Certification Date: 03/04/2008

Dilution System Mfg: ERT S/N: 1229G Recalibration Date: 5/7/2008

Z Air Mod: ARS S/N: N/A Recalibration Date: N/A

Cylinder S/N: JJ686 Concentration (ppm): 30.80 Recalibration Date: 11/16/2008

Dilution System Linear Regression Results

MFC	Corre. (r)	Slope (m)	Intcpt (b)
Zair	0.999915	0.000492	-0.055249
Gas 1	0.999947	0.050092	0.068703
Gas 2			

NO Audit

Audit Point	Input Conc. ppm	Flow Meter Settings Z Air	Flow Meter Settings Gas	Calculated Flows Z Air cc/m	Calculated Flows Gas cc/m	Observed NO DAS	Observed NO Recorder	Observed NO % Diff.	Observed NOX DAS	Observed NOX Recorder	Observed NOX % Diff.	Observed NO_2 DAS	Observed NO_2 Recorder
Zero	0.000	2.405	0.000	5000.00	0.00	0.000	0.0%	NA	0.000	N/A	NA	0.002	N/A
1	0.450	2.405	3.782	5000.00	74.14	0.469	98	4.1	0.465	97	3.3	0.000	0
2	0.200	2.405	1.706	5000.00	32.68	0.206	37	3.1	0.205	38	2.7	-0.001	0
3	0.090	2.405	0.803	5000.00	14.65	0.091	16	1.3	0.090	16	0.4	0.000	0
4		3.881	0.595	8000.00	10.50		8	NA		8	NA		0

Gas Phase Titration

Audit Point	Input Conc. ppm	Flow Meter Settings Z Air	Flow Meter Settings Gas	Calculated Flows Z Air cc/m	Calculated Flows Gas cc/m	Observed NO DAS	Observed NO Recorder	Observed NO_X DAS	Observed NO_X Recorder	Observed NO_2 DAS	Observed NO_2 Recorder	Observed NO_2 % Difference
GPT Zero	0.000	2.405	3.782	5000.00	74.14	0.467	96	0.465	N/A	-0.001	N/A	NA
GPT 1	0.372	2.405	3.782	5000.00	74.14	0.080	24	0.464	96	0.384	N/A	3.3
GPT 2	0.181	2.405	3.782	5000.00	74.14	0.279	66	0.463	96	0.185	N/A	2.4
GPT 3	0.086	2.405	3.782	5000.00	74.14	0.377	78	0.463	96	0.087	N/A	0.9
GPT 4		2.405	3.782	5000.00	74.14		N/A		N/A		N/A	NA

Linear Regression*

	NO	NO_x	NO_2 GPT
Slope	1.043141	1.034688	1.036596
Intercept	-0.001501	-0.00131	-0.00174
Correlation	0.999979	0.999983	0.999992
Ave. % Diff.	2.8	2.1	0.9

Catalytic Converter Efficiency: 101.7%

Station Reference Check: Cyl. SN: JJ8896 Conc. 31.1 Recal Due 3/8/2009

Input Conc. ppm	DAS - NO Audit	DAS - NO In-Station	DAS - NO_X Audit	DAS - NO_X In-Station	DAS - NO_2 Audit	DAS - NO_2 In-Station	NO % difference Audit vs. In-Station
0.000	0.000	0.000	0.000	0.000	0.002	0.000	NA
0.450	0.469	0.457	0.465	0.453	0.000	0.000	-2.5
0.090	0.091	0.091	0.090	0.089	0.000	-0.001	-0.2

Remarks: * Regression results are calculated from audit points zero, 1, 2, and 3.

Signature: [signature]

GAS DILUTION AUDIT

SO_2

Date: 03/05/2008 Network: NextGen Site: Basin Next Gen Project Auditor: M. H. Valvur

Instrument: TECO Model: 43A S/N: 29727-236 Last Certification Date: 03/04/2008

Dilution System Mfg: ERT S/N: 1229G Recalibration Date: 5/7/2008

Z Air Mod: ARS S/N: N/A Recalibration Date: N/A

Cylinder S/N: JJ686 Concentration (ppm): 29.35 Recalibration Date: 11/16/2008

Dilution System Linear Regression Results			
MFC	Corre. (r)	Slope (m)	Intcpt (b)
Zair	0.999915	0.000492	-0.055249
Gas 1	0.999947	0.050092	0.068703
Gas 2			

Audit Point	Input Conc. ppm	Flow Meter Settings Z Air	Flow Meter Settings Gas	Calculated Flows Z Air cc/m	Calculated Flows Gas cc/m	Observed SO2 DAS	Observed SO2 Recorder	% Diff.
Zero	0.000	2.405	0.000	5000.00	0.00	0.000	0.0	NA
1	0.438	2.405	3.863	5000.00	75.75	0.445	94.0	1.6
2	0.195	2.405	1.744	5000.00	33.44	0.200	36.0	2.5
3	0.088	3.389	1.123	7000.00	21.05	0.092	16.0	4.1
4		3.979	0.069	8200.00	0.00		8.0	NA
5								NA

Linear Regression Results*

Slope (m)	1.009471
Intercept (b)	0.002877
Correlation (r)	1.000000
Average % difference	2.7

* Regression results are calculated from audit points zero, 1, 2, and 3.

Station Reference Check

Point	(ppm)	Audit	In-Station	Ref. vs. Analyzer
1	0.000	-0.002	0.003	NA
2	0.438	0.445	0.445	0.0
3	0.088	0.092	0.088	-4.0

Concentration (ppm): 30.3

Recalibration Date: 3/8/2009

Remarks:

Signature:

Air Resource Specialists, Inc.

OZONE AUDIT

Date:	03/05/2008	Network:	NextGen	Site:	Basin NextGen Project	Auditor:	M. H. Valvur
Site Analyzer Mfg:	TEI	Model:	49c	S/N:	0517812012	Last Certification Date:	03/04/2008
Site Reference Mfg:	TEI	Model:	49 TS	S/N:	33799-246	Last Certification Date:	03/04/2008
Audit O3 Mfg:	*TECO*	*Model:*	*49C*	*S/N:*	*401504-581*	*Recalibration Date:*	*5/7/08*
Frequency A:	97532	Frequency B:	94077	A Flow:	0.684	B Flow:	0.658
Zero Air Mfg:	In-Station	Model:	N/A	S/N:	N/A	Maintenance Due Date:	N/A

AUDIT REFERENCE		STATION ANALYZER			STATION REFERENCE		
Audit Point	Input Conc. (ppm)	DAS Reading	Recorder Reading	%Difference Ref.vs.Analyzer	DAS Reading	Recorder Reading	%Difference Ref.vs.SiteRef.
Zero	0.000	-0.001	N/A	**NA**	0.001	N/A	**N/A**
1	0.452	0.434	N/A	**-3.9**	0.433	N/A	**-4.2**
2	0.200	0.186	N/A	**-7.0**	0.187	N/A	**-6.5**
3	0.090	0.083	N/A	**-7.3**	0.084	N/A	**-7.2**
4				**NA**		N/A	**NA**

STATION REFERENCE CHECK					
Station Reference			Station Analyzer		
Cal. Point	Display Reading	Recorder Reading	DAS Reading	Recorder Reading	% Difference Ref. vs Analyzer
1	-0.001		0.000		
2					
3					
4					

LINEAR REGRESSION*			
Station Analyzer		Station Reference	
Slope	**0.972413**	Slope	**0.967326**
Intercept	**-0.005873**	Intercept	**-0.004752**
Correlation	**0.999918**	Correlation	**0.999964**
Average % Difference	**-6.0**	Average % Difference	**-6.0**

REMARKS:

*Regression results are calculated from audit points zero, 1, 2, and 3.

Signature:

A-4

VOLUMETRIC FLOW CONTROLLED SAMPLER AUDIT DATA SHEET
PM_{10}

Station Location: Basin NextGen Project Date: 3/4/08 Time: 15:50

Sampler Model: Tisch S/N: 985

Pa: 698.8 mm Hg. Ta: 5.9 °C 279.07 K

Sampler No. PM_{10} #1

Audit Orifice S/N: C368 Orifice Calibration Date: 1/4/2007

Orifice Calibration Relationship m = 1.1598 b = -0.016980 r = 0.999980

Sampler Calibration Relationship m = 10.7031 b = 0.242000 r = 0.999600

Orifice Pressure Drop (ΔH_2O): 4.03 in. H_2O Qa (audit)[a]: 1.11 m^3 / min, 39.14 ACFM

	With Orifice Installed	Without Orifice Installed
Sampler Pressure Drop (ΔH_2O)	23.32 in. H_2O	20.30 in. H_2O
Qa (Sampler)[b]	1.086 m^3 / min, 38.34 ACFM	1.098 m^3 / min, 38.78 ACFM

Audit Flow Rate Percentage Difference[c]: -2.0 %

Qa (Corrected Sampler)[d]: 1.12 m^3 / min, 39.58 ACFM

Design Flow Rate Percentage Difference[e]: -0.81 %

[a] For calculation of audit orifice standard flow rates:

$Qa\ (audit) = \{[\Delta(H_2O)(Ta / Pa)]^{1/2} - b\}\{1 / m\}$

[b] For calculation of sampler flow rate:

$Qa\ (Sampler) = \{[P1/Pa - b][Ta]^{1/2}\}\{1/m\}$

[c] Audit % Difference = $\frac{[Qa\ (sampler) - Qa\ (orifice)]}{Qa\ (orifice)}$ [100} where Qa is measured with orifice installed.

[d] Qa (corrected sampler) = Qa (sampler) $\frac{[100 - \text{audit \% Difference}]}{100}$ where Qa (sampler) is measured without the orifice installed.

[e] Design Flow Rate % Difference = $\frac{[Qa\ (\text{corrected sampler}) - 1.13]}{1.13}$ [100]

Auditor _____ Observer _____

VOLUMETRIC FLOW CONTROLLED SAMPLER AUDIT DATA SHEET
PM_{10}

Station Location: Basin NextGen Project Date: 3/4/08 Time: 16:00

Sampler Model: Tisch S/N: 986

Pa: 698.8 mm Hg. Ta: 5.9 °C 279.07 K

Sampler No. PM_{10} #2

Audit Orifice S/N: C368 Orifice Calibration Date: 1/4/2007

Orifice Calibration Relationship m = 1.1598 b = -0.016980 r = 0.999980

Sampler Calibration Relationship m = 9.5931 b = 0.314300 r = 0.994900

	With Orifice Installed	Without Orifice Installed
Orifice Pressure Drop (ΔH_2O)	4.15 in. H_2O	
Qa (audit)[a]		1.12 m^3 / min 39.71 ACFM
Sampler Pressure Drop (ΔH_2O)	22.43 in. H_2O	19.29 in. H_2O
Qa (Sampler)[b]	1.090 m^3 / min 38.48 ACFM	1.104 m^3 / min 38.99 ACFM

Audit Flow Rate Percentage Difference[c]: -3.1 %

Qa (Corrected Sampler)[d]: 1.14 m^3 / min, 40.20 ACFM

Design Flow Rate Percentage Difference[e]: 0.76 %

[a] For calculation of audit orifice standard flow rates:

$$Qa\ (audit) = \{[\Delta(H_2O)\ (Ta / Pa)]^{1/2} - b\}\{1 / m\}$$

[b] For calculation of sampler flow rate:

$$Qa\ (Sampler) = \{[P1/Pa-b][Ta]^{1/2}\}\{1/m\}$$

[c] Audit % Difference = $\frac{[Qa\ (sampler) - Qa\ (orifice)]}{Qa\ (orifice)}$ [100} where Qa is measured with orifice installed.

[d] Qa (corrected sampler) = Qa (sampler) $\frac{[100 - audit\ \%\ Difference]}{100}$ where Qa (sampler) is measured without the orifice installed.

[e] Design Flow Rate % Difference = $\frac{[Qa\ (corrected\ sampler) - 1.13]}{1.13}$ [100]

Auditor: [signature] Observer: _____

APPENDIX B

RELEVANT FORMULAE

FOR COMPUTING NO_2 INPUT CONCENTRATION

Equations used to compute $[NO_2]_{OUT}$ and the $NO_2 \rightarrow NO$ converter efficiency are:

Equation 1 $[NO_2]_{OUT}$

If $[NO_2]_{IMP} > 0$

$$[NO_2]_{OUT} = [NO]_{ORIG} - [NO]_{REM} + \frac{F_{NO} \times [NO_2]_{IMP}}{F_{NO} + F_O + F_D}$$

Equation 2 $[NO_2]_{OUT}$

If $[NO_2]_{IMP} = 0$

$$[NO_2]_{OUT} = [NO]_{ORIG} - [NO]_{REM}$$

Equation 3 $[NO_2]_{CONV}$

$$[NO_2]_{CONV} = [NO_2]_{OUT} - ([NO_x]_{ORIG} - [NO_x]_{REM})$$

Equation 4 **Converter Efficiency**

Based on the slope (b) of a linear regression analysis of
$[NO_2]_{CONV}$ (y-axis) versus $[NO_2]_{OUT}$ (x-axis)
Converter efficiency % = $NO_2(_{CONV})$ x slope x 100

Where F_{NO} = flow rate of NO standard
F_O = flow rate of air through O_3 generator
F_D = flow rate of dilution air
$[NO]_{ORIG}$ = concentration of NO before O_3 is added during GPT
$[NO]_{REM}$ = concentration of NO after O_3 is added during GPT
$[NO]_{CONV}$ = quantity of NO_2 converted to NO

$$[NO]_{OUT} = \frac{F_{NO} \times [NO]_{std}}{F_{NO} + F_O + F_D}$$

APPENDIX C

AUDIT STANDARDS CERTIFICATIONS

Air Resource Specialists, Inc.

LAB O_3 CALIBRATION FORM

Date 2/6/2008 **Client** ARS **Tech.** M H Valvur

DVM Manufacturer Fluke **Model** 8060A

Last Certification Date 1/10/2008 **Serial Number** 4735610

Z Air Make ARS **Model** Lab

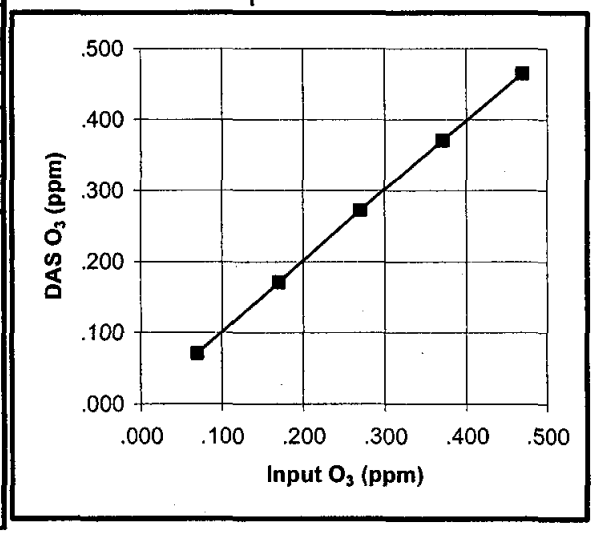
Serial Number N/A **Last Maintenance Date** 11/17/05

PRIMARY	
Last Cal. Date	11/16/2006
Manufacturer	TECO
Model	49C PS
Serial Number	75759-380
BKG / CO EFF	0 / 1.020
A Frequency	106224
B Frequency	101144
Flow	.580 / .538
Cell Temperature	33.0
Inst. Offset (ppm)	0

Instrument to be Calibrated	
Last Cal. Date	5/23/2006
Manufacturer	TECO
Model	49C
Serial Number	401504-581
BKG / CO EFF	-1.2 / 1.036
A Frequency	100791
B Frequency	97852
Flow	.638 / .632
Cell Temperature	35.5
Inst. Offset (ppm)	.000

Input Conc. (ppm)	Display Reading (ppm)	Output Voltage VDC	DAS O3 (ppm)	Error in ppm	Error Delta Percent
.000	.000	.000	**-.001**	-.001	NA
.470	.470	.470	**.465**	-.005	**-01.1 %**
.371	.370	.370	**.371**	.000	**00.0%**
.270	.270	.270	**.272**	.002	**00.7%**
.170	.170	.170	**.171**	.001	**00.6%**
.070	.070	.070	**.071**	.001	**01.4%**
.000	.000	.000	**.001**	.000	NA

SLOPE	**0.993047**
INTERCEPT	**0.001232**
CORRELATION	**0.999926**
AVERAGE DELTA%	**00.3 %**



Remarks

Signature

MFC/MFM Calibration Form

Date: 2/7/2008 Station: ARS Tech: M H Valvur

Mass Flow Device #1

Mfg: Brooks S/N: 90H1248/3 Range: 0 - 10 lpm

Primary Std. Mfg: BIOS Model: DC - 1HC S/N: H - 1809

Primary Standard Type (Bubble=1, Dry=0) 0 Last Calibration Date: 1/16/2008

Calibration Gas: Air Range: 50 ccm - 50 - lpm

Ambient Pressure (mmHg.)	Gas Temp. ° C	Gas Vapor Pressure (mmHg)	Corr. Factor	Flow ACCPM	Display Volts (Y)	Flow SCCPM (X)
631.9	22.0	.000	0.839900	9856.0	4.000	8278.1
631.9	22.2	.000	0.839330	8581.0	3.500	7202.3
631.9	22.2	.000	0.839330	7365.0	3.000	6181.7
631.9	22.3	.000	0.839050	6176.0	2.500	5182.0
631.9	22.4	.000	0.838770	4987.0	2.000	4182.9
631.9	22.4	.000	0.838770	3789.0	1.500	3178.1

Slope (m) = 0.000492 Intcp (b)= -0.055249 Corr (r)= 0.999915

Flow = (Display Voltage - b) / m Display Voltage = (Flow * m) + b

Mass Flow Device #2

Mfg: Brooks S/N: 90H12749/1 Range: 0 - 100 ccm

Primary Std. Mfg: MINI-Buck Model: M-5 S/N: M-3277B

Primary Standard Type (Bubble=1, Dry=0) 1 Last Calibration Date: 12/7/2007

Calibration Gas: Air Range: 1 - 6000 ccm

Ambient Pressure (mmHg.)	Gas Temp. ° C	Gas Vapor Pressure (mmHg)	Corr. Factor	Flow ACCPM	Display Volts (Y)	Flow SCCPM (X)
631.9	22.3	20.193	0.812240	108.40	4.500	88.0
631.9	20.8	18.422	0.818750	84.20	3.500	68.9
631.9	21.5	19.231	0.815720	59.70	2.500	48.7
631.9	22.1	19.949	0.813110	35.30	1.500	28.7
631.9	23.3	21.454	0.807830	22.80	1.000	18.4
631.9	22.3	20.193	0.812240	17.80	.800	14.5

Slope (m) = 0.050092 Intcp (b)= 0.068703 Corr (r)= 0.999947

Flow = (Display Voltage - b) / m Display Voltage = (Flow * m) + b

REMARKS:

Signature

SCOTT-MARRIN, INC.
6531 BOX SPRINGS BLVD. • RIVERSIDE, CA 92507
TELEPHONE (951) 653-6780 • FAX (951) 653-2430

REPORT OF ANALYSIS
EPA PROTOCOL GAS MIXTURES

AIRR01
TO: Air Resource Specialists Inc
Attn: Tara Porter
1901 Sharp Point Dr, Suite E
Fort Collins, CO 80525-4402
(970) 484-7941

DATE: December 1 2006

CUSTOMER ORDER NUMBER: A19425

COMPONENT	CONCENTRATION(v/v) ± EPA UNCERTAINTY	REFERENCE STANDARD	ANALYZER MAKE, MODEL, S/N, DETECTION	EXPIRATION DATE	REPLICATE ANALYSIS DATA
CYLINDER NO:	JJ686				
			CARLE INST MODEL 8000		11/16/06
Carbon monoxide	3030 ± 30 ppm	GMIS	S/N 8249	11/16/08	3030 ppm
		CYLINDER #:	METHANATION/FID		3040 ppm
		1L3312	GAS CHROMATOGRAPHY		3030 ppm
		@ 2528 ppm	LAST CAL DATE: 11/10/06	MEAN:	3030 ppm
			MONITOR LABS MODEL 8440		11/27/06
Nitric oxide	30.8 ± 0.2 ppm	GMIS	S/N 136	11/27/08	30.7 ppm
NOx	30.8 ppm	CYLINDER #:	CONTINUOUS		30.8 ppm
		CC28420	CHEMILUMINESCENCE		30.8 ppm
		@ 50.6 ppm	LAST CAL DATE: 11/22/06	MEAN:	30.8 ppm
			BOVAR MODEL 922M		11/29/06
Sulfur dioxide	29.35 ± 0.3 ppm	GMIS	S/N VD92284844	11/29/08	29.19 ppm
		CYLINDER #:	CONTINUOUS		29.28 ppm
O2-free Nitrogen	Balance	CC50772	UV PHOTOMETRY		29.27 ppm
CYLINDER PRESSURE:	1850 psig	@ 26.34 ppm	LAST CAL DATE: 11/07/06	MEAN:	29.25 ppm

ppm = µmole/mole % = mole-%

The above analyses were performed in accordance with Procedure G1 of the EPA Traceability Protocol, Report Number EPA-600/R97/121, dated September 1997.
This cylinder should not be used if the pressure is less than 150 psig.

ANALYST: M.J. MONSON APPROVED: J.T. MARRIN

The only liability of this company for gas which fails to comply with this analysis shall be replacement or reanalysis thereof by the company without extra cost.
STANDARD CALIBRATION GASES IN ALUMINUM CYLINDERS

TISCH ENVIROMENTAL, INC.
145 SOUTH MIAMI AVE.
VILLAGE OF CLEVES, OH 45002
513.467.9000
877.263.7610 TOLL FREE
513.467.9009 FAX
WWW.TISCH-ENV.COM

AIR POLLUTION MONITORING EQUIPMENT

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - Dec 31, 2007 Rootsmeter S/N 9833620 Ta (K) - 291
Operator Tisch Orifice I.D. - C368 Pa (mm) - 749.3

PLATE OR Run #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER DIFF Hg (mm)	ORFICE DIFF H2O (in.)
1	NA	NA	1.00	1.2850	3.2	2.00
2	NA	NA	1.00	0.9120	6.3	4.00
3	NA	NA	1.00	0.8130	7.8	5.00
4	NA	NA	1.00	0.7750	8.6	5.50
5	NA	NA	1.00	0.6410	12.5	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)		Va	(x axis) Qa	(y axis)
1.0053	0.7823	1.4210		0.9957	0.7749	0.8813
1.0012	1.0978	2.0096		0.9916	1.0873	1.2464
0.9990	1.2288	2.2468		0.9895	1.2171	1.3935
0.9980	1.2878	2.3565		0.9885	1.2755	1.4615
0.9927	1.5487	2.8420		0.9833	1.5340	1.7626

Qstd slope (m) = 1.85224
intercept (b) = -0.02737
coefficient (r) = 0.99998

Qa slope (m) = 1.15984
intercept (b) = -0.01698
coefficient (r) = 0.99998

y axis = SQRT[H2O(Pa/760)(298/Ta)] y axis = SQRT[H2O(Ta/Pa)]

CALCULATIONS

Vstd = Diff. Vol[(Pa-Diff. Hg)/760](298/Ta)
Qstd = Vstd/Time

Va = Diff Vol [(Pa-Diff Hg)/Pa]
Qa = Va/Time

For subsequent flow rate calculations:

Qstd = 1/m{[SQRT(H2O(Pa/760)(298/Ta))]- b}
Qa = 1/m{[SQRT H2O(Ta/Pa)]- b}

HARRIN

SYPRIS®
TEST & MEASUREMENT

CALIBRATION CERTIFICATE

Certificate Number: 5100104632
CUSTOMER # 510773-0000

AIR RESOURCE SPECIALISTS

1901 SHARP POINT DRIVE
STE E
FT. COLLINS, CO 80525
ATTN: Denise Yates

Calibration Date: 01/10/2008
Recommended Due: 01/10/2009
As Received: IN TOLERANCE
As Returned: IN TOLERANCE
Procedure: MANUFACTURER'S MNL
Environment: 23 DEG C 35 % RH
P.O. / Release: A20710
Sypris ID #: 4735610
Barcode ID: 51-2013772
Location:

Manufacturer: FLUKE
Model: 8060A
Description: DIGITAL MULTIMETER
Size / Range:
Serial Number: 4735610
Asset Number:
Department:
Accessories: NO ACCESSORIES RECEIVED

This instrument has been processed and calibrated in accordance with the Sypris Test & Measurement Quality Assurance Manual and is traceable to the National Institute of Standards and Technology (NIST). The Sypris Test & Measurement quality system is registered to ISO 9001:2000 and compliant with ISO 10012-1, ISO/IEC 17025-2005, ANSI/NCSL Z540-1-1994, 10 CFR 50 App. B, 10 CFR 21, NQA-1, and MIL-STD-45662A. This report may not be reproduced, except in full, without written approval of Sypris Test & Measurement. Unless stated otherwise; the expanded measurement uncertainty of the measurement process does not exceed 25% of the tolerance allowed for the individual characteristics measured, uncertainties of measurements for this calibration are based upon 95% (2 sigma) confidence limits, no sampling plan or other process was used for this calibration, the results reported herein apply only to the calibration of the item described above and no limitations of use apply to the calibrated item. Although the item calibrated meets the specifications and performance at the time of calibration, due to any number of factors, the recommended due date of the item calibrated does not imply continuing conformance to specifications during the recommended interval.

Calibration Accuracy MANUFACTURER'S SPECIFICATIONS

Conditions/Analysis

DUE CALIBRATION
CALIBRATED TO MANUFACTURER'S SPECIFICATIONS
PERFORMED PREVENTATIVE MAINTENANCE INSPECTION

STANDARDS USED

ID Number	Model Number	Cal Date	Due Date	Traceability Number
FL943	5520A	02/12/2007	02/12/2008	5100095321

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CERTIFIED BY

Access your Calibration Records Online at http://Calweb.Sypris.com

8020 SOUTHPARK CIRCLE SUITE 300, LITTLETON, CO 80120 303-798-2243

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INSPECTED BY

QA 47-33 (09/07)

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www.ensr.aecom.com

About ENSR

ENSR, an AECOM company, is a leading worldwide environmental services firm. Founded in 1968, ENSR serves industrial companies and government agencies with consulting, engineering, remediation, and environmental health and safety solutions. ENSR is a recipient of the BP HSSE Diamond Award, Textron Environmental Remediation Partner in Excellence Award, and *Environmental Business Journal* awards. As an AECOM company, ENSR is part of a global design and management company with 29,000 employees worldwide serving the transportation, facilities, and environmental markets.

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