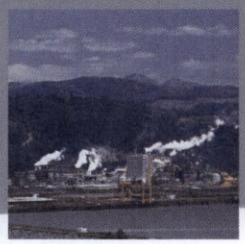
Prepared for:
Mirant Potomac River, LLC
Potomac Generating Station
Alexandria, VA





Mirant Potomac River, LLC
Monthly Model Evaluation Study Report
February 2007

ENSR Corporation
February 2007
Document No.: 10350-003-106-9

ENSR | AECOM

Mirant Potomac River, LLC
1400 North Royal St., Alexandria, VA 22314
T 703 838 8200 **F** 703-838-8272 **U** www.mirant.com

March 20, 2007

Doug Snyder
Assistant Regional Counsel
Office of Regional Counsel
US EPA-Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Michael Dowd
Air Enforcement Manager
Virginia Department of Environmental Quality
629 East Main Street
Richmond, VA 23240-0009

Dear Messrs. Snyder and Dowd:

As you are aware, Mirant Potomac River, L.L.C. (Mirant) is operating per the terms and conditions of the Administrative Compliance Order (ACO) dated June 1, 2006. Under the terms of ACO, Mirant is to deliver a monthly report to include: (1) the modeled input files and results of the daily Predictive Modeling for the preceding month, including the hourly average heat input in the MMBtu for each unit and the exit velocity (or exhaust volume) for each unit; (2) verification that the planned Operating Parameters utilized for Predictive Modeling in the preceding month were not exceeded, or if exceeded, documentation describing that exceedance: (3) the inputs and results of the "follow-up" modeling for the preceding month (or portion thereof during which all Monitors were not in place), including the hourly average heat input in MMBtu for each unit and the exit velocity (or exhaust volume) for each unit; and (4) after installation of the Monitors, the data generated by the Monitors.

As a result, please see the attached submission, "Mirant Potomac River, LLC Monthly Model Evaluation Study Report" for the month of February 2007.

The modeling data enclosed includes:

- Modeled Input Files and Results of Predictive Modeling: 3-hour and 24-hour AERMOD predictive modeling results using day-ahead weather forecast data for February 2007;
- Plant Operating Parameters Summary: 3-hour and 24 hour Rate Compliance Summary.
- Plant Operating Data.
- Follow-up Modeling Results: 3-hour and 24-hour AERMOD follow-up modeling results performed by the third-party consultant, ENSR, using observed weather conditions for February 2007; and 3-hour and 24-hour ambient actual monitor data for SO2 averages from the continuous monitoring sites as prescribed in the ACO, for the period of February 2007.
- Monthly Summary Data Reports: Marina Towers Central, Marina Towers South, Southeast, Southwest, North, and Northeast.

- In addition, we have provided a satellite view of the ambient air quality and meteorological network.

Should you have any questions regarding these modeling results, please contact me at 301-669-8168 or by email: david.cramer@mirant.com.

Regards,

David Cramer
Manager – Air Compliance & Permitting

Copies: Bob Driscoll, CEO Mid-Atlantic L.L.C
Judith Katz, US EPA
Shawn Konary, Director Environmental, Safety and Health, Mirant
File

Prepared for:
Mirant Potomac River, LLC
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Alexandria, VA

Mirant Potomac River, LLC
Monthly Model Evaluation Study Report
February 2007

Frank R. Tringale Jr.

Prepared By

Dave Sh

Reviewed By

ENSR Corporation
February 2007
Document No.: 10350-003-106-9

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DOCUMENT CERTIFICATION

Facility Name: *Potomac River Generating Station*

Identification: ORIS # 3788; Virginia Registration# 70228

Facility Location: 1400 North Royal St., Alexandria VA 22314

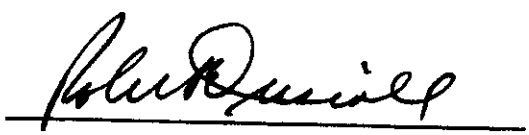
Type of Submittal Attached: February 2007 Monthly ACO Report

This February 2007 Monthly Report is being submitted to demonstrate compliance with the Administrative Compliance Order between Mirant Potomac River, LLC and the U.S. EPA, dated June 2, 2006.

Certification: Except as provided below, I certify that the information contained in or accompanying this report is true, accurate, and complete. As to those portions of this report for which I cannot personally verify their accuracy, I certify under the penalty of law that this report and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of Responsible Official (Print): Robert E. Driscoll

Title: President & Chief Executive Officer, Mirant Potomac River, LLC

Signature:  **Date:** Mar 20, 2007

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1.0 Introduction

Under an Administrative Compliance Order (ACO) signed on June 1, 2006, between Mirant Potomac River, LLC, (Mirant) and the United States Environmental Protection Agency (EPA), Mirant is submitting a monthly modeling, monitoring, and operating data report for February 2007.

2.0 Daily Predictive Modeling

On June 17, 2006, Mirant began performing daily forecast modeling to calculate maximum sulfur dioxide (SO_2) impacts from the Potomac River Power Plant. Mirant uses this modeling to plan electrical generation for the following day. Mirant uses meteorological data forecasted by the National Weather Service's Global Forecast Model (see http://www.arl.noaa.gov/ready/cmet.html) for Reagan National Airport. Modeling is carried out between 8:00 am – 10:00 am each day for the next day. All other model inputs including receptors, land use and building dimensions derived from BPIP-PRIME for downwash simulations were established in the August 2005 modeling report entitled "A Dispersion Modeling Analysis of Downwash from Mirant's Potomac River Power Plant" (ENSR Document 10350-002-410) and were used in the daily forecast modeling.

Beginning on February 19th and continuing through March 6th, PEPCO conducted a scheduled maintenance outage on one of the 230 kV transmission lines that supply electricity to central Washington DC. Any time one or more of these transmission lines is out of service, operations at the plant fall under Ordering Paragraph A of the December 20, 2005 Department of Energy (DOE) Order 202-05-03, which requires Mirant to "operate the Potomac River Generating Plant to produce the amount of power (up to its full capacity) needed to meet the demand in the Central D.C. area as specified by PJM for the duration of the outage". Section IV.C of the ACO, 'Operations During Line Outage Situations' mirrors the DOE Order. During the February 19 – March 6 period, PJM direction took precedence over daily predictive modeling guidelines when determining the number of units to run each day. Nevertheless, Mirant ran daily predictive and follow-up modeling throughout the duration of the line outage.

Table A-1 in (Appendix A) summarizes the daily predictive modeling results for each day. Mirant is required to control SO_2 emissions so that the maximum modeled 3-hour impact is at or below 1,061 g/m^3. The 3-hour National Ambient Air Quality Standard (NAAQS) for SO_2 is 1,300 g/m^3. Mirant assumes that there is an existing background concentration of 239 g/m^3, representing the contribution to ambient air from other sources. For the 24-hour average, Mirant is required to control SO_2 emissions so that its maximum modeled impact is at or below 314 g/m^3, allowing for a 51 g/m^3 background concentration. The 24-hour NAAQS for SO_2 is 365 g/m^3.

Predictive PM_{10} modeling results can also be found in Table A-1. Mirant conducts PM_{10} modeling using an emission rate of 0.055 lb/MMBtu from each stack that is modeled to run, plus fugitive emissions at levels scaled to the number of units in operation. The emission rate used for PM_{10} modeling was set higher than the highest PM stack test result recorded at the plant. With three units in operation at the 0.055 lb/MMBtu PM_{10} emission rate, the plant shows modeled compliance under all meteorological conditions, therefore the ACO only requires predictive PM_{10} modeling be conducted when four or five units are scheduled to run.

In February 2007, modeling resulted in 3-hour SO_2 limits ranging from 0.30 lb/MMBtu to 2.13 lb/MMBtu and 24-hour SO_2 limits ranging from 0.24 lb/MMBtu to 0.60 lb/MMBtu.

3.0 Plant Operating Parameters

Upon completion of daily predictive modeling, operating targets for each unit that is scheduled to run the next day are set. The plant then operates the scheduled units at the SO_2 emission rate and level of operation set by the model. A single 24-hour SO_2 emission rate is assumed for all units that operate on a given day. In addition, a maximum 3-hour SO_2 emission rate is determined during the predictive modeling process which is used as a short term upper limit by operators, should equipment malfunction cause SO_2 emissions to rise above the 24-hour average limit. If a unit is not meeting its target SO_2 emission rate, plant operations will be curtailed to an operating configuration that models NAAQS compliance.

There are three ways in which actual plant operations are compared to predictive modeling results to evaluate the plant's adherence to the scheduled operation prescribed by the predictive model.

24-Hour Average SO_2 Emission Rate

Table B-1 (Appendix B) illustrates the 24-hour average SO_2 emission rate each unit achieved for every day of the month, and the corresponding target SO_2 emission rate to be met for each day. The 24-hour emission rate was met by all units in February 2007 when all transmission lines were in service, with one exception:

- On February 5th, trona flow was interrupted on Unit #4 during the last three hours of the day. Trona feed piping and vent silo filters had become plugged, causing reduced trona flow. Unit load was reduced from 67 MW to minimum load at 9:40 pm and then taken off line at 12:32 am on February 6th. The 24-hour target for the day was 0.40 lb/MBtu and Unit #4 averaged 0.42 lb/MBtu for the day. SO_2 averages for the last three last three hours of the day were 0.50, 0.59, and 0.48 lb/MBtu. Follow-up modeling of actual emissions showed no exceedances and no exceedances were observed by the ambient monitoring network on February 5th.

During the line outage period, some units exceeded the 24-hour SO_2 target due to DOE Order requirements. On February 23rd, the 24-hour average SO_2 concentration at the Southeast monitor site was above the 24-hour SO_2 NAAQS. On that day, no predictive modeling scenario was SO_2 NAAQS compliant at the level of operation PJM required; therefore it was not possible to meet the 24-hour target on February 23rd.

3-Hour Average SO_2 Emission Rate

Table B-2 (Appendix B) illustrates the 3-hour maximum SO_2 emission rate each unit attained for every day of the month, and the corresponding target SO_2 emission rate not to be exceeded for each day. The 3-hour emission rate target was met by all units in February 2007 when all transmission lines were in service. During the line outage period, some units exceeded the 3-hour SO_2 target due to DOE order requirements. No 3-hour SO_2 NAAQS exceedances were observed by the SO_2 monitoring network at any time in February however.

SO_2 Pounds-Per-Day Emissions

AERMOD models stack SO_2 emissions as a mass emission rate in pounds per hour or grams per second. In order to determine if the actual output from each unit complied with the SO_2 mass emissions predicted by the model, an SO_2 pounds-per-day limit based on model results has been established.

Dispatch signals from PJM vary the generation output of each unit continuously, making it impossible to make hourly comparisons between actual unit generation and hourly-based predictive model results. Unit output can be evaluated however, by comparing each unit's total SO_2 pounds-per-day emitted to a daily target established by the predictive model.

Unit specific SO_2 pounds-per-day targets are computed using heat input to each unit, the daily SO_2 target emission rate, and the unit operating scenario selected for the day.

The daily SO_2 target emission rates and unit operating scenarios can be found in the daily predictive model results summary in Table A-1. Heat inputs for each unit are calculated from the daily operating scenarios, which describe the operating profile for each unit, and unit heat rates, which are a measure of how efficiently the units convert fuel heat content into electricity. The procedure below illustrates how the SO_2 pounds-per-day targets are derived.

The first step is to determine hourly heat input values based on the assumed minimum and maximum loads and associated heat rates listed in Table 3-1.

Table 3-1: Unit Heat Rates

Unit	Operating Load	Net Power Output (MWh)	Net Heat Rate (MMBtu/MWh)	Heat Input (MMBtu)
1 & 2	Maximum	88	12.6	1113
	Minimum	32	15.3	491
3, 4, and 5	Maximum	102	10.2	1045
	Minimum	32	12.5	401

Hourly heat inputs are then used to compute daily heat inputs based on the unit operating conditions. Daily heat inputs for all unit operating combinations are presented below in Table 3-2.

Table 3-2: Daily Unit Heat Inputs

Unit	Daily Operating Scenario	Daily Heat Input per Unit (MMBtu/day)
1 & 2	8 Hours Maximum Load / 8 Hours Minimum Load / 8 Hours Off	12,826
	16 Hours Maximum Load / 8 Hours Off	17,801
	24 Hours Maximum	26,701
3, 4, & 5	8 Hours Maximum Load / 16 Hours Minimum Load	14,769
	12 Hours Maximum Load / 12 Hours Minimum Load	17,346
	16 Hours Maximum Load / 8 Hours Minimum Load	19,922
	24 Hours Maximum Load	25,076

Based on the daily forecast operating scenario, multiplying the above heat input (in MMBtu/day) for each unit operating scenario times the daily target emission rate (in lb/MMBtu) produces the daily target SO_2 mass emission rate (lb/day) shown in Table B-3 for each unit.

For example, one configuration calls for Units 1 and 2 to operate at maximum load for 8 hours, minimum load for 8 hours, and off for 8 hours; and for Units 3, 4, and 5 to operate for 12 hours at maximum load and 12 hours at minimum load. Assuming the SO_2 limit for the day is 0.6 lb/MMBtu, the daily SO_2 target (in lb/day) is:

Unit 1 and 2: 12,826 MMBtu/day X 0.6 lb/MMBtu = 7,696 lb/day per unit

Unit 3, 4, and 5: 17,346 MMBtu/day X 0.6 lb/MMBtu = 10,408 lb/day per unit

Table B-3 illustrates the pounds per day of SO_2 emitted by each unit for every day of the month and its corresponding SO_2 lb/day target. The SO_2 lb/day targets were met by all units in February 2007 when all transmission lines were in service, with exceptions on one unit:

- On February 10th, 13th, and 15th, Unit #2 was scheduled to run 8 hours at maximum load, 8 hours at minimum load, and 8 hours offline. The unit was dispatched at mid-load and high load for most of the 16 hours the unit ran, and subsequently ran over the SO_2 pounds-per-day limit for those three days. On February 10th and 15th, other units in operation were modeled to run at maximum load for the whole day, and on February 13th , other units were modeled to run 12 hours at maximum load and 12 hours at minimum load. A miscommunication occurred between the system dispatcher and the plant. Unit #2 was allowed to operate at a level of generation equal to the other units in operation instead of the 8hrs max/8hrs min/8hrs off configuration that it had been modeled to run. This oversight will be corrected.

During the line outage period, there were three days (February 20th, 23rd, and 24th), where some units exceeded the 24-hour pounds-per-day SO_2 target due to DOE Order requirements. On all three days, no predictive modeling scenario was SO_2 NAAQS compliant at the level of operation PJM required; therefore it was not possible to meet the pounds-per-day targets on those days.

It should be noted that occasionally a small number of SO_2 pounds can be found in Table B-3 for units on non-operating days. These emissions are the result of boiler startup or shutdown activities associated with operations from the following or previous day. These insignificant emissions are a normal part of transitioning units on and off line and are acknowledged in Section IV.B.1.a of the ACO.

4.0 Follow-Up Modeling

ENSR performed follow-up modeling for the period February 1 – 31, 2007. The modeling used actual, measured, hourly, in-stack emissions parameters and hourly weather data from the National Weather Service site at Reagan National Airport. All other model inputs including receptors, land use and building dimensions derived from BPIP-PRIME for downwash simulations were established in the August 2005 modeling report entitled "A Dispersion Modeling Analysis of Downwash from Mirant's Potomac River Power Plant" (ENSR Document 10350-002-410) and were used in this follow-up modeling.

Appendix C contains daily operating data for the Potomac River Generating Station. The data are included on the accompanying CD. A "read me" file on the CD explains the file structure.

Table D-1 (Appendix D) summarizes the follow-up modeling results for each day and compares the results to the daily predictive modeling and to maximum observed ambient SO_2 concentrations in the monitoring network. There was one day in February in which follow-up modeling showed a potential 3-hour NAAQS exceedance (Feb. 11). Follow-up modeling showed three potential 24-hour NAAQS exceedances (Feb 1, 22 and 23). The 3-hour modeled exceedance on February 11 was predicted in the SE portion of the roof of Marina Towers for the 3-hour period ending 01500 local time. The exceedance was predicted at a location on the roof that is at the same location as the South SO_2 monitor on the roof. Meteorological conditions during this period consisted of moderate winds (6.3 m/sec) from 160°/170°/170° for the three hour period as measured at Reagan Airport and 4.0 – 4.5 m/sec from 173°/166°/196° as measured by the on site monitors. The maximum observed SO_2 concentrations from the monitors on February 11 was as follows:

Date	3-Hour Max. $\mu g/m^3$	24-Hour Avg. $\mu g/m^3$
February 1	N/A	27.7
February 11	68.5	N/A
February 22	N/A	231.8
February 23	N/A	407.9
NAAQS	***1,300***	***365***

The follow up 3-hour modeling prediction was much higher than the actual monitored SO_2 concentration because the actual plume heights from the units that were operating (Units 2,3,4,5) were higher than calculated by AERMOD. This is because winds from 170° nearly align the stack plumes, causing them to combine and achieve enhanced plume rise. The AERMOD model assumes that the stack gases do not combine.

The follow up 24-hour modeled exceedances were predicted on the roof of Marina Towers on the 1st and near the SE fenceline monitor on the 22nd and 23rd. On the 1st, winds were from the South at speeds between 3–8 m/sec as measured at Marina Towers. As in previous modeled exceedances, actual observed SO_2 concentrations were much lower than modeled. On the 1st, the maximum monitored 24-hour concentration was 27.7 $\mu g/m^3$. The PRGS plumes were much higher than predicted by AERMOD due to plume alignment and plume interaction.

On the 22nd, winds were from the NW at speeds of 9-13 m/sec and on the 23rd winds were from the NW at speeds between 5-14 m/sec, with most of the winds greater than 10 m/sec. The PRGS operated under emergency conditions on the 22nd and 23rd. Maximum observed SO_2 concentrations were 232 $\mu g/m^3$ and 408 $\mu g/m^3$. While still over predicting, AERMOD did reasonably well predicting the maximum impacts on these two days. During periods of NW winds, the stack plumes do not align as they do during south and SSE winds. With no alignment, AERMOD is better able to calculate plume rise and resultant downwash concentrations, although it still over predicts.

A review of Table D-1 (Appendix D) shows that sometimes there is a large discrepancy between the daily predictive modeling results and the follow-up modeling results using actual observed meteorological observations. On some days, follow-up modeling predicted higher concentrations, while on other days predictive modeling had higher concentrations. During southerly wind conditions, when power plant emissions are carried toward Marina Towers, follow-up modeling often predicts higher impacts than daily forecast modeling. ENSR presented a detailed explanation of the likely reasons for the differences between the daily predictive modeling and follow-up modeling for June, 2006 in a separate memo.

Charts D-1 and D-2 graphically display the data contained in Table D-1, with Chart D-1 displaying 3-hour SO_2 concentrations and Chart D-2 displaying 24-hour SO_2 concentrations for each day in February. Under normal operations, when predictive modeling is observed and there is no PEPCO Line Outage, the maximum predicted concentrations are always higher than observed concentrations, and generally by a wide margin. The likely reasons for this were discussed in the June 2006 memorandum cited above and in the Model valuation Study report.

Appendix D presents results of the weekly follow-up modeling. Modeling files are contained on the attached CD. A "read me" file on the CD explains the file structure.

5.0 Ambient Monitoring Data

As of August 2006, all six (6) Mirant Ambient Monitoring Program sites were in operation. The air quality monitoring sites measure ambient concentrations of sulfur dioxide (SO_2) in the vicinity of the Potomac River Power Plant. Three of the sites are at ground level and measure SO_2 at approximately 3-4 meters above ground height. Two sites are at a residential building, Marina Towers, where 2 sample probes measure SO_2 at a rooftop elevation. One probe is located at the center area of the building and one probe is positioned at the corner of the southeast wing of the building. One site is located southwest of the plant on the roof of the Holiday Inn. The six air monitoring sites were selected based on the results of extensive dispersion modeling, and the locations were approved by the U.S. EPA Region III as "preferred" sites in the Administrative Compliance Order dated June 1, 2006 (Docket No. CAA-03-2006-0163DA).

The ambient measurement program includes a meteorological measurement system that is comprised of tower-mounted parameters at the plant site. A separate SODAR system was added in December 2006. The list of air quality and meteorological parameters is provided in Table 5-1.

This report also includes a description of the monitoring equipment and data acquisition system. Section 6 of this report describes the various data validation criteria used for the Mirant ambient monitoring program, while Section 7 presents data results plus data capture statistics along with explanations of significant missing data periods. Appendix E presents monthly summary data reports of air quality and meteorological data. A satellite view of the Air Quality network is presented in Appendix F. The figure shows a view of the land area in the vicinity of the power plant with each measurement site labeled to indicate their location.

5.1 Description of the Ambient Data Report

Ambient air quality and meteorological data are collected and reported on a monthly basis from the Potomac River Generating Station's ambient air quality and meteorological monitoring network. The network was installed between the end of May and the end of July 2006. The Marina Tower probe sites began sampling on June 2, 2006. At the end of June, the network consisted of 4 SO_2 measurement locations, which was increased to 6 probe locations during the later part of July 2006. A separate meteorological monitoring station was installed in July and became operational in August 2006. A separate location has been selected for a SODAR measurement site and will come on line at a later date. The site locations were described in more detail in the monitoring plan document prepared for the project. The air quality data are compared to the National Ambient Air Quality Standards (NAAQS) for SO_2 and summarized on the monthly data report summary pages (MONSUMS) in Appendix E of this report. The parameters that are (and will be) monitored at the sites are listed in Table 5-1. Table 5-2 lists the instrumentation used for the monitoring program.

Configuration, siting, operation, data processing, quality assurance, and quality control practices for this measurement program conforms to the provisions of EPA's Ambient Monitoring Guidelines for the Prevention of Significant Deterioration (PSD), EPA-450/4-87-007, May 1987) and On-Site Meteorological Program Guidance for Regulatory Modeling Applications (EPA-450/4-87-013, June 1, 1987) except for the siting criteria of the monitoring stations. Exceptions to the siting criteria were made to meet the special requirements of the measurement program. A project specific Monitoring and QA Plan document details the network locations and operational procedures.

Each site is equipped with an Odessa 3260 data logger that monitors and records the output signals from the continuous measurement analyzers. The data loggers perform preliminary data processing, including computation of 1-hour averages and provide temporary data storage. Wind variability (sigma theta, sigma W) calculations will also be conducted by the data logger. The ENSR Data Center routinely interrogates the data

loggers via a dial-up phone line to retrieve the stored data. Data are then edited and validated within ENSR's PC-based data processing system.

5.2 Continuous Air Quality Measurements

Sulfur dioxide (SO_2) measurements are conducted using continuous measurement analyzers connected to an air intake manifold. Sulfur dioxide is measured at each site using a Thermo Environmental Instruments (TEI) Model 43A analyzer. The Odessa data logger monitors and records the output from the analyzers and provides hourly averages of pollutant concentrations. The hourly averages are reported in the monthly summary reports, which are presented in Appendix E.

Analyzers go through an automatic calibration check each day using the in-station calibration device controlled by the Odessa data logger. The automatic calibration is reviewed each business day by ENSR technical staff to verify that the analyzer is operating within acceptable performance boundaries. In the event that the automatic calibration check shows that the analyzer is not operating as required, corrective action is taken to investigate and resolve any instrument problem, if needed. On a biweekly schedule, each continuous SO_2 analyzer is checked for precision and, if needed, subsequently calibrated using the network gas dilution system (ENSR GASCAL) device and a certified gas cylinder of a known pollutant concentration.

5.3 Meteorological Measurements

A meteorological measurement system was installed during July-August 2006. Meteorological measurements are made at one tower site using sensors manufactured by Climatronics Corporation. Table 5-2 lists the parameter name and model number for each sensor. The sensors are installed on a 20-meter light tower located south of the power plant along the east fence line near the coal storage area. The wind speed, wind direction, and vertical wind sensors were moved from the 10-meter height to a 20-meter height on December 24, 2006 to improve sensor exposure. The meteorological site measures the parameters listed in Table 5-1.

The meteorological data is reviewed each business day to confirm that the system is operating properly and the hourly averages appear reasonable. The meteorological sensors receive a complete calibration and maintenance service check every 6 months.

Table 5-1: Summary of Monitoring Program Parameters for Mirant Air Quality Network

Site Name	Monitored Parameters	Elevation Above Ground Level (AGL)
Marina Towers Air Monitoring Site	Sulfur Dioxide (SO_2) – Central Rooftop Location, 1 probe	45-meters
	Sulfur Dioxide (SO_2) – Southeast Rooftop Location, 1 probe	40-meters
Southeast Fence Line	Sulfur Dioxide (SO_2) – 1 probe	5 meters
Northeast Fence Line	Sulfur Dioxide (SO_2) – 1 probe	5 meters
North - Daingerfield Park	Sulfur Dioxide (SO_2) – 1 probe	5 meters
Southwest - Holiday Inn Building	Sulfur Dioxide (SO_2) – 1 probe	5 meters
Meteorological Operations		
Met. Tower Site	Wind Speed (scalar & vector)	20 meters
	Wind Direction (scalar & vector)	20 meters
	Vertical Wind Speed	20 meters
	Sigma Theta	20 meters
	Sigma W	20 meters
	Temperature	2 meters
	Temperature Difference (ΔT)	2 to 10 meters
SODAR Plant Rooftop	Wind Speed (vector)	50, 75, 100, 125, 150, 175, 200 meters
	Wind Direction (vector)	50, 75, 100, 125, 150, 175, 200 meters
	Sigma Theta	50, 75, 100, 125, 150, 175, 200 meters
	Vertical Wind Speeds	50, 75, 100, 125, 150, 175, 200 meters
	Sigma W	50, 75, 100, 125, 150, 175, 200 meters

Table 5-2: Monitoring Equipment for the Mirant Ambient Monitoring Program

Parameter	Instrument	EPA Designation No.
SO_2	Thermo Environmental Instruments (TEI) 43A	EQSA-0486-060
Wind Speed	Climatronics Model F460	N/A
Wind Direction	Climatronics Model F460	N/A
Vertical Wind	RM Young	N/A
Temperature/Temperature Difference	Climatronics	
Sigma Theta, Sigma W	Odessa DSM 3260	N/A
Support Equipment		
Function	**Instrument**	
Data Acquisition	Odessa DSM 3260	
Telemetry – modem	Practical Peripheral (or other)	
Calibration Tracking	Metronics, In-station Calibrators with Permeation Tube	
Multipoint Calibrations and bi-weekly Precision and Level 1 Checks	ENSR GASCAL Portable Gas Dilution Calibration System with Scott Marrin Compressed Gas Cylinder of SO_2 in Nitrogen.	
Data Transmitters	Data Linc – Wireless transmitters/Receivers from measurement site into power plant.	

6.0 Ambient Data Validation Criteria

Data validation, an after-the-fact review of in-field collected data, is the process by which data are determined to be of acceptable or unacceptable quality based on a set of predefined criteria. These criteria depend upon the types of data involved and the purpose for which data are collected.

6.1 Continuous Parameter Data Validation

Data validation, which occurs at several steps along the path of data flow, includes visual, mathematical, and graphical evaluations of the data. Checks are performed by ENSR field technicians, data processing personnel and ENSR operation and maintenance staff. Although the data validation process is continuous, final data validation can only occur at the time of a final calibration of each analyzer so that all of the validation criteria can be considered. ENSR staff review all measured data to determine validity during periods between the routine calibration checks.

Validation of continuous air quality data and meteorological is governed by strict standard operating procedures. For data to be considered valid, they must be accurate and precise within prescribed limits, represent factual conditions, be obtained from a calibrated, well-functioning instrument and from air sampled without interference or obstructions, and be thoroughly documented as traceable to recognized primary standards.

The data validation process initially begins in the field with the ENSR field technician's assessment of data during each site visit. Hourly data averages are subsequently scanned at ENSR for anomalous results and any faulty instrument performance. Events affecting validity are thoroughly documented. During the processing, erroneous data values are highlighted. An experienced ENSR data analyst performs checks of the field station log sheets, calibration data and the data report. The data-review also includes checking any values flagged as suspect and usually 2-5% of each data month's hourly values. Periods of data labeled suspect by the ENSR field technician are subsequently deemed valid or invalid by the ENSR validating meteorologist. All instrument calibrations (i.e., audits, multi-point calibrations, precision and Level 1 checks, etc.) are subsequently analyzed to confirm that initial calibration results are within acceptable tolerances.

6.2 Data Validation Standards and Criteria

The following validation criteria are used in the evaluation of the data:

- The instrument must be in its normal sampling configuration.
- Each hourly average must be based on at least 45 minutes of valid data
- Each air quality data point must be bracketed by calibration checks showing instrument responses to be within ± 15% of input concentration.
- Audit, multipoint, precision and Level 1 calibration records of the continuous air quality sensors must indicate analyzer responses to be within ± 15% of input concentrations for the period under review.
- The following validation limits are used for the tower-based meteorological parameters:

Wind Speed	± 5 mph
Wind Direction	± 20 degrees
Vertical Wind	± 5 mph
Temperature	± 3.0° C

- Limits for SODAR-based meteorological data accuracy were presented in Table 1-2 of the QA Plan. Due to the technology associated with SODAR monitoring, it is sometimes difficult to provide definitive data validation limits where a co-located meteorological tower is not present. ENSR provides quantitative reasonability check tolerances upon which a professional meteorologist can base a data validation decision. The following is the validation criteria that will be used to evaluate SODAR data:

Test	Wind Speed (mph)	Wind Direction (degrees)	Vertical Wind Speed (mph)	Sigma W (mph)	Sigma Theta (degrees)
Acceptable Range	0 to 100	1 to 360	-15 to -15	0 to 30	0 to 180
Hourly Difference Between SODAR and Tower	7.0	30	3.0	0.9	10
Mean Difference of a Data Set (Tower vs. SODAR)	1.1	20	0.5	0.7	5
Standard Deviation of Differences for a Data Set (Tower vs. SODAR)	4.5	30	2.0	0.7	10

SODAR data are not judged invalid solely on the basis of the reasonability check acceptance criteria described in this section. Data failing to meet these reasonability check tolerances are ultimately determined valid or invalid by a meteorologist using professional judgment.

7.0 Ambient Data Results and Statistics

The parameter abbreviations used on the Monthly Data Summary Forms for the Mirant Project and their associated definitions are provided in Table 7-1.

Table 7-2 presents the valid data capture statistics for each monitored parameter for the monitoring period. Also included are explanations of all significant missing data periods throughout the report period for air quality parameters not meeting the 80% data capture goal, and meteorological parameters not meeting the 90% data capture goal.

Table 7-1: Parameters, Site Name Codes, and Abbreviations

Air Quality and Meteorological Parameters	
Parameters / Definition	**Monthly Summary Code**
Sulfur Dioxide	SO_2
Wind Speed	WS
Wind Speed – Vector	WS-Vector
Wind Direction	WD
Wind Direction – Vector	WD-Vector
Vertical Wind Speed	VWS
Sigma Theta (wind direction variability)	Sigma T
Temperature	Temp
Temperature Difference 2 to 10-Meters	Delta T
Site Name	**Site Abbreviation**
Marina Towers – Central Probe	Marina Towers - CNTRL
Marina Towers – South Probe	Marina Towers - SOUTH
Southeast Site	SOUTHEAST SO_2
Northeast Site	NORTHEAST SO_2
Southwest Site/Holiday Inn	SOUTHWEST HOLIDAY IN
North Site/Daingerfield Park	NORTH

Table 7-2: Mirant Monthly Data Capture Summary

February 2007

Site Name	Parameter	% Data Capture*	Total % Data Loss	Reason for Significant Periods of Data Loss**	Affected Dates
Marina Towers Central Probe	SO_2	99.0	1.0		
Marina Towers South Probe	SO_2	99.0	1.0		
Southeast Fence Line	SO_2	99.0	1.0		
Northeast Fence Line	SO_2	99.1	0.9		
Southwest Site/Holiday Inn	SO_2	99.3	0.7		
North Site/Daingerfield Park	SO_2	99.7	0.3		
Meteorological Tower Measurements Reported as of December 1, 2006	Wind Speed	100	0		
	Wind Direction	100	0		
	Vertical Wind	97.2	2.8		
	Sigma Theta	100	0		
	Sigma W	97.2	2.8		
	Temperature	100	0		
	Temperature Difference	100	0		

* Data capture target values are:
- 80% data capture for continuous air quality data.
- 90% data capture for continuous meteorological data.
- % data capture is based on the date of the site data start-up.

** Consecutive data loss greater than or equal to 12 hours

Appendix A

Modeled Input Files and Results of Daily Predictive Modeling (on CD)

Predictive Model Results Summary Table A-1

Table A-1: Predictive Model Results Summary

Potomac River

AERMOD Model Results Log

DATE MODELED	SELECTED CONFIGURATION	24 Hr AVG TARGET SO2 RATE lb/MBtu	3 HR MAX SO2 RATE (lb/MBtu)	AERMOD PREDICTED CONCENTRATIONS SO2 3-HOUR	SO2 24-HOUR	PM10 24-HOUR
February 1, 2007	F3 Units 1, 2, 3 & 4 (24 Max)	0.50	0.83	575	169	22
February 2, 2007	F3 Units 1, 2, 3 & 4 (24 Max)	0.60	2.13	267	51	20
February 3, 2007	O1 (Unit 1&2 16-0-8, & Unit 4 12/12)	0.50	0.77	615	198	N/A
February 4, 2007	E3 (1,2,4&5 @ 24 Max)	0.60	1.07	532	202	19
February 5, 2007	H2(# 1@ 8,8,8 / # 4&5 @24Max)	0.40	1.31	289	199	N/A
February 6, 2007	G3 Unit 1, 2, 3, 4 & 5(24Max)	0.55	1.34	391	193	23
February 7, 2007	J2 (Unit 1 @ 8,8,8 / 3&5 @ 24 Max)	0.50	1.01	469	192	N/A
February 8, 2007	A4 (3, 4 & 5 @ 24 Max)	0.50	1.21	393	201	N/A
February 9, 2007	A4 (3, 4 & 5 @ 24 Max)	0.45	1.33	322	179	N/A
February 10, 2007	C2 unit 2 @ (8/8/8) 3,4,5 @ (24max)	0.45	0.85	505	182	24
February 11, 2007	"C" UNIT 2 @8,8,8/ (3,4,5)12/12	0.50	0.75	630	204	30
February 12, 2007	"C" UNIT 2 @8,8,8/ (3,4,5)12/12	0.60	1.21	471	74	32
February 13, 2007	"P" UNITS 1,2 @ 8/8/8, 5 @ 12/12	0.50	1.46	325	203	N/A
February 14, 2007	S2 (UNITS 4 & 5 @ 24 MAX)	0.55	0.86	610	195	N/A
February 15, 2007	Y2 (Unit 2 @ 8/8/8, 5 @24)	0.55	1.76	297	173	N/A
February 16, 2007	C3 (Units 2,3,4&5 @ 24 Max)	0.50	0.88	538	206	24
February 17, 2007	A (Units 3-4-5 @ 12 Min / 12 Max)	0.60	1.06	537	151	N/A
February 18, 2007	"S" (UNITS 4&5) 12/12	0.50	1.47	323	198	N/A
February 19, 2007	G1 (1&2 @ 16,0,8)(3,4,5 @ 12/12)	0.55	0.59	880	182	24
February 20, 2007	G3 Unit 1, 2, 3, 4 & 5(24Max)	0.24	0.34	669	548	128
February 21, 2007	G3 Unit 1, 2, 3, 4 & 5(24Max)	0.60	0.89	643	152	29
February 22, 2007	G3 Unit 1, 2, 3, 4 & 5(24Max)	0.50	0.47	1004	280	37
February 23, 2007	G3 Unit 1, 2, 3, 4 & 5(24Max)	0.24	0.30	766	717	164
February 24, 2007	G3 Unit 1, 2, 3, 4 & 5(24Max)	0.24	0.42	549	324	76
February 25, 2007	G3 Unit 1, 2, 3, 4 & 5(24Max)	0.60	0.92	617	133	37
February 26, 2007	G3 Unit 1, 2, 3, 4 & 5(24Max)	0.60	1.29	442	111	31
February 27, 2007	G3 Unit 1, 2, 3, 4 & 5(24Max)	0.60	1.38	414	135	36
February 28, 2007	G3 Unit 1, 2, 3, 4 & 5(24Max)	0.60	0.68	839	297	34

AMBIENT LIMITS (with background removed)		
3 HR SO2	24 HR SO2	24 HR PM10
1061 ug/m^3	314 ug/m^3	105 ug/m^3

Appendix B

Plant Operating Parameters Summary

24 Hour SO_2 Rate Compliance Summary Table B-1

3 Hour SO_2 Rate Compliance Summary Table B-2

24 Hour SO_2 Lb/Day Compliance Summary Table B-3

Table B-1

24 Hour SO2 Rate Compliance Summary

DATE	Unit 1 SO2 24 Hr Avg lb/MMBtu	Unit 2 SO2 24 Hr Avg lb/MMBtu	Unit 3 SO2 24 Hr Avg lb/MMBtu	Unit 4 SO2 24 Hr Avg lb/MMBtu	Unit 5 SO2 24 Hr Avg lb/MMBtu	Daily SO2 Target lb/MMBtu
February 1, 2007	0.48	0.44	0.48	0.47	0.00	0.50
February 2, 2007	0.46	0.55	0.57	0.57	0.00	0.60
February 3, 2007	0.46	0.45	0.00	0.49	0.00	0.50
February 4, 2007	0.48	0.50	0.00	0.54	0.44	0.60
February 5, 2007	0.32	0.17	0.00	0.42	0.37	0.40
February 6, 2007	0.47	0.50	0.28	0.45	0.51	0.55
February 7, 2007	0.43	0.00	0.46	0.21	0.48	0.50
February 8, 2007	0.00	0.00	0.47	0.43	0.47	0.50
February 9, 2007	0.00	0.00	0.45	0.41	0.42	0.45
February 10, 2007	0.00	0.40	0.40	0.41	0.42	0.45
February 11, 2007	0.00	0.42	0.46	0.45	0.45	0.50
February 12, 2007	0.11	0.50	0.56	0.52	0.54	0.60
February 13, 2007	0.40	0.43	0.00	0.14	0.48	0.50
February 14, 2007	0.00	0.00	0.00	0.44	0.46	0.55
February 15, 2007	0.00	0.45	0.19	0.00	0.52	0.55
February 16, 2007	0.00	0.46	0.45	0.41	0.49	0.50
February 17, 2007	0.00	0.00	0.49	0.55	0.52	0.60
February 18, 2007	0.00	0.00	0.33	0.45	0.44	0.50
February 19, 2007	0.44	0.41	0.50	0.52	0.51	0.55
February 20, 2007	0.57	0.37	0.38	0.31	0.42	0.24
February 21, 2007	0.61	0.55	0.57	0.56	0.54	0.60
February 22, 2007	0.61	0.48	0.50	0.47	0.58	0.50
February 23, 2007	0.50	0.35	0.38	0.40	0.50	0.24
February 24, 2007	0.36	0.27	0.39	0.39	0.47	0.24
February 25, 2007	0.55	0.56	0.56	0.56	0.56	0.60
February 26, 2007	0.44	0.56	0.56	0.56	0.61	0.60
February 27, 2007	0.51	0.56	0.57	0.55	0.54	0.60
February 28, 2007	0.54	0.56	0.56	0.55	0.58	0.60

Table B-2

3-Hour SO2 Rate Compliance Summary

DATE	Unit 1 Maximum 3-Hour SO2 Rate (lb/MMBtu)	Unit 2 Maximum 3-Hour SO2 Rate (lb/MMBtu)	Unit 3 Maximum 3-Hour SO2 Rate (lb/MMBtu)	Unit 4 Maximum 3-Hour SO2 Rate (lb/MMBtu)	Unit 5 Maximum 3-Hour SO2 Rate (lb/MMBtu)	3-Hour SO2 Target (lb/MMBtu)
February 1, 2007	0.61	0.46	0.54	0.54	0.00	0.83
February 2, 2007	0.54	0.57	0.63	0.64	0.00	2.13
February 3, 2007	0.55	0.50	0.00	0.52	0.00	0.77
February 4, 2007	0.59	0.57	0.00	0.58	0.59	1.07
February 5, 2007	0.46	0.17	0.00	0.52	0.41	1.31
February 6, 2007	0.49	0.53	0.51	0.57	0.55	1.34
February 7, 2007	0.49	0.00	0.67	0.07	0.65	1.01
February 8, 2007	0.00	0.00	0.54	0.47	0.53	1.21
February 9, 2007	0.00	0.00	0.48	0.43	0.53	1.33
February 10, 2007	0.00	0.58	0.44	0.42	0.47	0.85
February 11, 2007	0.00	0.49	0.48	0.47	0.48	0.75
February 12, 2007	0.11	0.54	0.78	0.55	0.55	1.21
February 13, 2007	0.56	0.48	0.00	0.16	0.52	1.46
February 14, 2007	0.00	0.00	0.00	0.47	0.49	0.86
February 15, 2007	0.00	0.67	0.23	0.09	0.60	1.76
February 16, 2007	0.00	0.53	0.58	0.46	0.67	0.88
February 17, 2007	0.00	0.00	0.55	0.56	0.59	1.06
February 18, 2007	0.00	0.00	0.17	0.45	0.53	1.47
February 19, 2007	0.69	0.59	0.53	0.52	0.52	0.59
February 20, 2007	0.75	0.54	0.63	0.38	0.54	0.34
February 21, 2007	0.75	0.56	0.58	0.57	0.70	0.89
February 22, 2007	0.91	0.51	0.53	0.48	0.74	0.47
February 23, 2007	0.67	0.40	0.48	0.46	0.55	0.30
February 24, 2007	0.49	0.30	0.48	0.43	0.58	0.42
February 25, 2007	0.72	0.57	0.57	0.58	0.59	0.92
February 26, 2007	0.54	0.57	0.56	0.56	0.73	1.29
February 27, 2007	0.54	0.61	0.61	0.56	0.57	1.38
February 28, 2007	0.84	0.61	0.57	0.57	0.62	0.68

Table B-3

24 Hour SO2 Lb/Day Compliance Summary

DATE	Unit 1 SO2		Unit 2 SO2		Unit 3 SO2		Unit 4 SO2		Unit 5 SO2		Total SO2	
	24 Hr Total lb/day	SO2 Target1 lb/day	24 Hr Total lb/day	SO2 Target lb/day	24 Hr Total lb/day	SO2 Target lb/day	24 Hr Total lb/day	SO2 Target lb/day	24 Hr Total lb/day	SO2 Target lb/day	24 Hr Total lb/day	SO2 Target lb/day
February 1, 2007	6,812	13,351	9,424	13,351	6,600	12,538	7,782	12,538	-	-	30,618	51,777
February 2, 2007	9,025	16,021	12,338	16,021	8,967	15,045	9,599	15,045	-	-	39,929	62,132
February 3, 2007	6,369	8,900	6,760	8,900	96	-	8,118	8,673	3	-	21,346	26,474
February 4, 2007	7,640	16,021	9,855	16,021	-	-	10,076	15,045	7,284	15,045	34,855	62,132
February 5, 2007	4,553	5,130	35	-	-	-	7,131	10,030	4,244	10,030	15,963	25,191
February 6, 2007	6,524	14,686	10,999	14,686	1,005	13,792	4,120	13,792	10,248	13,792	32,896	70,746
February 7, 2007	4,045	6,413	147	-	6,594	12,538	236	-	6,691	12,538	17,713	31,488
February 8, 2007	-	-	-	-	6,795	12,538	8,075	12,538	7,006	12,538	21,876	37,613
February 9, 2007	-	-	-	-	6,639	11,284	8,189	11,284	6,077	11,284	20,905	33,852
February 10, 2007	-	-	6,130	5,771	6,213	11,284	7,696	11,284	6,175	11,284	26,214	39,624
February 11, 2007	-	-	6,348	6,413	6,424	8,673	5,591	8,673	7,380	8,673	25,743	32,432
February 12, 2007	21	-	7,501	7,695	7,965	10,408	7,322	10,408	8,645	10,408	31,454	38,918
February 13, 2007	3,822	6,413	6,431	6,413	-	-	28	-	8,039	8,673	18,320	21,498
February 14, 2007	-	-	-	-	-	-	2,368	13,792	6,922	13,792	9,290	27,583
February 15, 2007	-	-	7,147	7,054	59	-	14	-	7,531	13,792	14,751	20,846
February 16, 2007	-	-	10,982	13,351	5,954	12,538	6,033	12,538	5,892	12,538	28,861	50,964
February 17, 2007	-	-	94	-	8,365	10,408	9,158	10,408	9,410	10,408	27,027	31,223
February 18, 2007	-	-	-	-	85	-	7,475	8,673	7,464	8,673	15,024	17,346
February 19, 2007	5,235	9,790	4,417	9,790	6,789	9,540	8,521	9,540	8,842	9,540	33,804	48,202
February 20, 2007	9,798	6,408	7,779	6,408	6,903	6,018	6,145	6,018	7,630	6,018	38,255	30,871
February 21, 2007	10,065	16,021	11,455	16,021	10,976	15,045	11,805	15,045	9,347	15,045	53,648	77,178
February 22, 2007	11,618	13,351	9,001	13,351	8,888	12,538	8,103	12,538	10,557	12,538	48,167	64,315
February 23, 2007	8,192	6,408	6,270	6,408	6,927	6,018	7,682	6,018	9,501	6,018	38,572	30,871
February 24, 2007	4,523	6,408	3,622	6,408	6,848	6,018	7,412	6,018	8,947	6,018	31,352	30,871
February 25, 2007	6,749	16,021	7,582	16,021	9,369	15,045	9,650	15,045	9,968	15,045	43,318	77,178
February 26, 2007	7,426	16,021	10,766	16,021	10,502	15,045	11,844	15,045	11,215	15,045	51,753	77,178
February 27, 2007	9,668	16,021	10,622	16,021	9,795	15,045	9,223	15,045	10,036	15,045	49,344	77,178
February 28, 2007	10,425	16,021	10,761	16,021	9,623	15,045	9,518	15,045	10,490	15,045	50,817	77,178

Appendix C

Plant Operating Data for February (on CD)

Appendix D

Follow-Up Modeling Results (on CD)

Follow-up Model Summary Table D-1

3 Hour SO_2 Comparison Figure D-1

24 Hour SO_2 Comparison Figure D-2

Table D-1: Follow-Up Model Summary

Mirant Potomac, Alexandria, Virginia

Maximum SO_2 Impacts Predicted by AERMOD Using Actual Stack Emissions/Parameters Along with Historical Meteorological Observations

Maximum Measured SO_2 Concentrations from Ambient Monitoring Network

Predicted Concentrations above the threshold values are in **bold**

3-hr Threshold Value: 1300 (NAAQS) - 238.4 (Background) = 1061.6 $\mu g/m^3$

24-hr Threshold Value: 365 (NAAQS) - 51 (Background) = 314 $\mu g/m^3$

Date	Units Operating	AERMOD Predicted Concentrations with Predicted Met Data		AERMOD Predicted Concentrations with Observed Met Data		Observed MONITOR DATA		
		3-hr ($\mu g/m^3$)	24-hr ($\mu g/m^3$)	3-hr ($\mu g/m^3$)	24-hr ($\mu g/m^3$)	3-hr ($\mu g/m^3$)	24-hr ($\mu g/m^3$)	
February 1, 2007	Units 1, 2, 3, 4	575	169	813	**370**	41.5	27.7	Max Impact Location - Roof of Marina Towers
February 2, 2007	Units 1, 2, 3, 4	267	51	739	117	132.3	33.7	
February 3, 2007	Units 1, 2, 4	615	198	816.8	218.6	76.0	27.1	
February 4, 2007	Units 1, 2, 4, 5	532	202	505.9	213.7	253.7	73.2	
February 5, 2007	Units 1, 4, 5	289	199	270.5	156.1	117.5	72.3	
February 6, 2007	Units 1, 2, 3, 4, 5	391	193	465.4	198.8	79.1	44.4	
February 7, 2007	Units 1, 3, 5	469	192	402.5	148.3	137.6	59.0	
February 8, 2007	Units 3, 4, 5	393	201	407	150	193.4	68.9	
February 9, 2007	Units 3, 4, 5	322	179	314.9	197.9	132.3	71.9	
February 10, 2007	Units 2, 3, 4, 5	505	182	572.5	263.3	209.6	91.2	
February 11, 2007	Units 2, 3, 4, 5	630	204	**1,314.8**	182.7	68.5	46.3	Max Impact Location - Roof of Marina Towers
February 12, 2007	Units 2, 3, 4, 5	471	74	285.1	45.2	102.6	41.1	
February 13, 2007	Units 1, 2, 5	325	203	346.2	140.0	34.1	19.8	
February 14, 2007	Units 4, 5	610	195	111.9	32.8	131.4	85.0	
February 15, 2007	Units 2, 5	297	173	468.3	185.1	119.6	63.9	
February 16, 2007	Units 2, 3, 4, 5	538	206	476.3	165.3	96.5	51.4	
February 17, 2007	Units 3, 4, 5	537	151	577.3	181.8	22.3	19.1	
February 18, 2007	Units 4, 5	323	198	139.9	71.1	126.6	62.5	
February 19, 2007	Units 1, 2, 3, 4, 5	880	182	607.5	204.8	254.6	57.5	
February 20, 2007	Units 1, 2, 3, 4, 5	669	**548**	506.4	192.6	28.4	19.1	
February 21, 2007	Units 1, 2, 3, 4, 5	643	152	445.5	89.0	27.5	16.0	
February 22, 2007	Units 1, 2, 3, 4, 5	1,004	280	1,000.7	**547.7**	805.2	231.8	Max Impact Location - Fenceline, SE of Stack 1
February 23, 2007	Units 1, 2, 3, 4, 5	766	**717**	1,018.0	**576.5**	676.8	407.9	Max Impact Location - Fenceline, SE of Stack 1
February 24, 2007	Units 1, 2, 3, 4, 5	549	**324**	762.9	296.9	171.6	80.6	
February 25, 2007	Units 1, 2, 3, 4, 5	617	133	641.7	142.6	20.5	12.7	
February 26, 2007	Units 1, 2, 3, 4, 5	442	111	361.6	68.8	30.1	15.7	
February 27, 2007	Units 1, 2, 3, 4, 5	414	135	447.1	128.2	33.2	16.7	
February 28, 2007	Units 1, 2, 3, 4, 5	839	297	502.8	133.6	69.4	28.4	

Figure D-1: February 2007 3 Hr SO2 Comparison

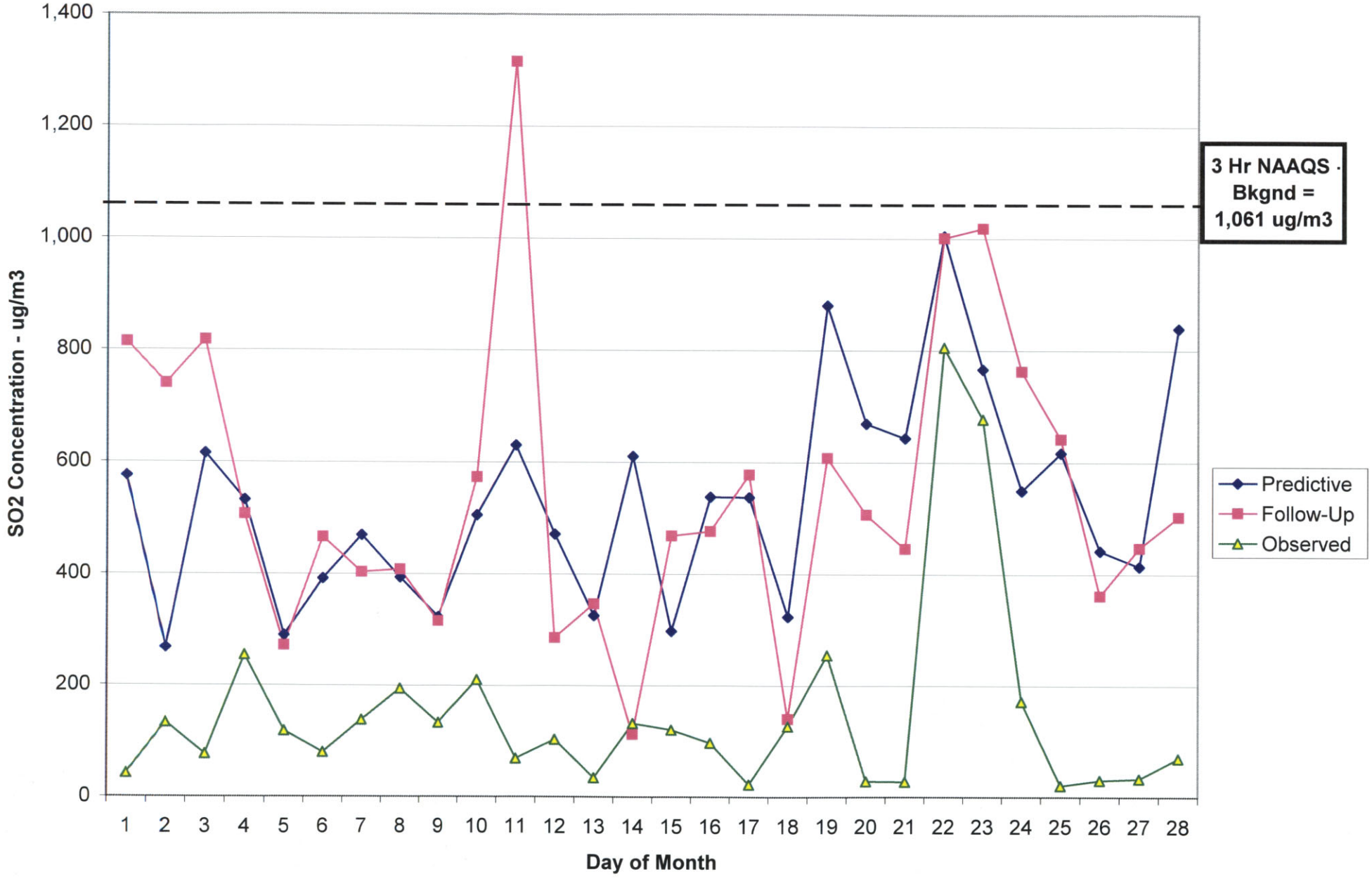
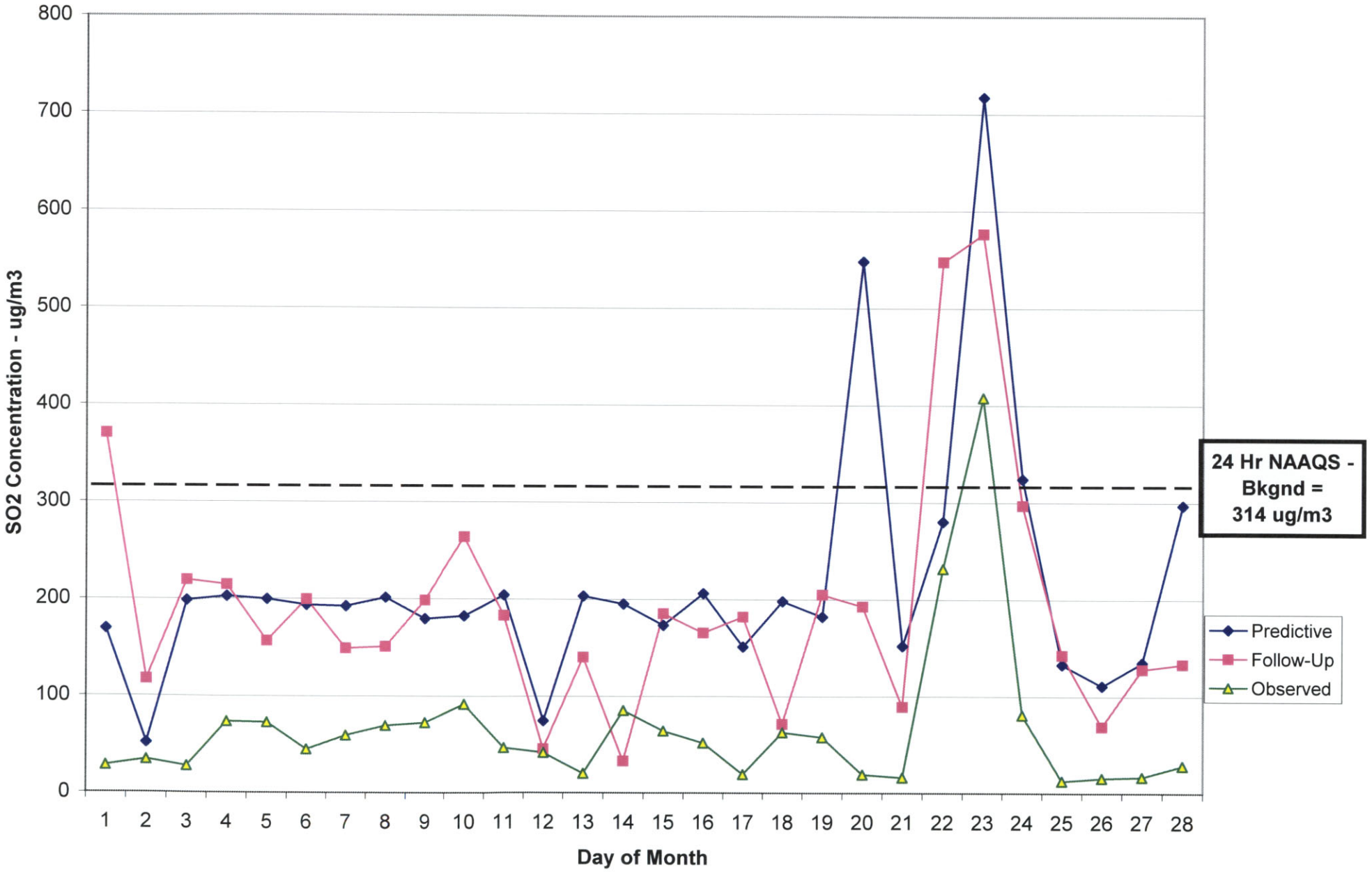


Figure D-2: February 2007 24 Hr SO2 Comparison



March 2007

Appendix E

Monthly Summary Data Reports (on CD)

Monthly SO_2 and Meteorological Summary Reports

ENSR

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

DATA FOR FEB 2007
RUN DATE:03/14/07

LOCATION:MARINA TOWERS SO2 CNTRL (ug/m3)

HR-BEG00 / HR-END01 / DAY	01 02	02 03	03 04	04 05	05 06	06 07	07 08	08 09	09 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	18 19	19 20	20 21	21 22	22 23	23 24	AVG
HOURS(est)																								
1	5	13	9	13	14	16	30	30	16	10	9	9	12	12	16	13	12	10	28	37	18	13	10	15
2	8	13	14	14	18	17	21	22	13	8	8	7	8	12	22	26	16	10	9	7	12	21	20	14
3	16	13	13	17	18	18	18	17	10	8	7	5	5	4	4	4	4	3	3	4	5	5	7	9
4	3	5	13	16	14	13	12	13	10	10	26	79	10	7	8	9	7	7	9	9	5	8	12	13
5	12	8	8	10	10	10	17	17	14	9	12	14	8	4	3	3	3	4	4	4	10	14	10	9
6	5	4	8	12	9	8	8	9	10	12	10	9	7	----	----	7	12	14	14	10	14	12	9	5	10
7	5	9	17	21	24	21	16	13	13	14	24	22	22	18	29	26	17	20	21	20	14	18	14	17	18
8	18	16	16	13	12	13	12	13	9	7	4	7	9	10	13	14	14	13	12	13	14	17	14	12	12
9	12	9	9	9	12	13	17	25	31	29	24	21	22	22	20	17	18	20	21	18	14	12	16	45	19
10	29	38	45	52	52	48	50	46	28	25	12	10	13	14	9	5	7	9	13	24	21	21	21	24	26
11	25	28	33	35	41	42	42	46	45	46	50	110	84	48	39	26	28	18	16	14	18	22	20	17	37
12	14	14	12	12	12	12	13	17	12	14	17	22	28	10	42	103	85	55	28	18	18	17	18	17	25
13	16	13	10	12	17	17	12	9	9	----	----	----	5	7	5	4	4	4	4	3	3	3	3	3	8
14	5	26	13	8	10	16	17	10	10	12	10	13	9	16	29	45	33	10	9	10	8	7	5	8	14
15	8	8	5	5	5	12	12	9	9	12	18	37	28	25	22	18	22	22	18	17	20	20	20	18	16
16	17	17	14	13	14	16	16	17	10	7	7	8	9	9	9	10	10	9	8	8	9	8	8	9	11
17	12	13	12	12	9	10	14	13	13	13	30	13	14	12	13	18	8	7	9	10	14	16	18	12	13
18	7	5	4	7	8	8	16	21	24	18	16	20	14	12	8	9	5	8	13	17	13	8	7	8	11
19	5	4	20	31	30	38	31	29	33	17	20	14	14	83	54	29	4	5	9	13	12	8	9	16	22
20	14	12	13	12	12	14	17	17	16	14	14	16	16	13	14	16	20	21	20	16	12	9	5	3	14
21	3	3	4	5	7	9	10	14	22	22	21	14	9	8	8	10	9	8	7	8	20	25	20	21	12
22	26	22	14	16	14	14	14	12	12	13	29	29	----	----	4	10	5	3	3	3	3	4	5	8	12
23	4	7	7	3	7	7	9	13	18	24	26	28	28	29	16	10	10	4	5	4	5	8	10	13	12
24	12	14	12	12	12	17	33	45	39	38	29	18	21	21	14	9	10	14	14	29	30	22	12	22	21
25	21	20	14	10	10	5	5	4	4	3	3	8	18	12	12	12	8	5	4	3	4	5	13	37	10
26	35	33	21	14	9	8	7	5	14	9	8	8	9	9	9	7	10	12	12	13	13	12	10	12	12
27	10	8	8	10	9	8	10	10	9	12	14	20	29	35	28	9	5	14	20	16	17	21	24	21	15
28	20	21	21	20	16	16	18	24	67	56	38	30	29	24	20	20	13	22	14	13	20	16	16	17	24
AVG	13	14	14	14	15	16	17	19	20	18	17	20	20	18	17	17	15	13	12	13	13	13	13	15	16
HOURS	28	28	28	28	28	28	28	28	28	27	27	27	27	26	27	28	28	28	28	28	28	28	28	28	665

TOTAL HOURS	= 672	TOTAL AVERAGE	= 16	- 3HR RUNNING AVERAGE-		-24HR RUNNING AVERAGE-
NUMBER OF GOOD HOURS	= 665	HIGHEST HOURLY VALUE	= 110	0VALUES EXCEED	1300	0VALUES EXCEED 365
NUMBER OF MISSING HOURS	= 7	2nd HIGH HOURLY VALUE	= 103	HIGHEST AVERAGE	81	HIGHEST AVERAGE 38
DATA CAPTURE (PERCENT)	= 99.0	MINIMUM REPORTED VALUE	= 3	2nd HIGHEST AVG.	81	2nd HIGHEST AVG. 30
STANDARD DEVIATION	= 12					

NOTE: MISSING VALUE INDICATOR IS----

DATA VALIDATED BY
ENSR

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MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:MARINA TOWERS SO2 SOUTH (ug/m3)

DATA FOR FEB 2007
RUN DATE:03/14/07

HOURS(est)

HR-BEG HR-END DAY	00 01	01 02	02 03	03 04	04 05	05 06	06 07	07 08	08 09	09 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	18 19	19 20	20 21	21 22	22 23	23 24	AVG
1	10	10	31	14	18	18	20	37	52	20	16	13	14	16	17	20	18	14	14	34	41	22	16	14	21
2	10	10	14	16	14	18	17	21	24	16	10	10	10	12	17	29	31	18	14	12	10	14	25	22	17
3	18	17	17	18	21	22	21	21	20	14	12	12	9	7	5	4	5	5	4	4	4	7	5	9	12
4	4	4	5	14	17	16	14	14	16	14	14	35	88	14	10	10	13	10	9	10	10	8	9	13	16
5	13	10	10	13	13	13	20	20	16	12	16	20	12	8	5	5	5	7	7	7	7	13	17	13	12
6	8	7	10	16	13	12	10	12	13	16	14	13	10	----	----	12	18	21	20	16	20	17	14	10	14
7	9	16	22	26	26	25	18	16	16	20	30	29	28	24	34	31	20	21	22	20	16	20	17	21	22
8	21	18	18	17	14	17	14	14	12	8	5	9	12	14	17	18	17	17	17	17	18	22	21	17	16
9	16	13	12	10	13	16	20	29	35	35	30	26	25	28	25	22	21	22	24	21	16	16	18	50	23
10	33	42	48	58	58	54	55	52	31	29	14	13	17	18	12	9	9	10	14	26	24	24	25	28	29
11	28	31	38	41	46	47	47	52	52	56	59	84	71	50	52	31	30	22	20	20	24	26	24	21	41
12	18	18	16	16	16	16	18	21	16	20	20	25	30	13	48	117	92	58	30	20	21	20	20	20	29
13	17	16	13	14	20	18	14	10	9	----	----	----	9	8	7	7	5	7	5	5	4	4	4	4	10
14	4	16	12	8	8	13	17	12	10	12	13	12	12	17	29	47	37	13	12	13	10	8	8	9	15
15	9	9	7	8	8	13	13	10	10	13	21	39	30	29	25	21	25	25	21	21	22	21	21	20	18
16	20	20	20	16	17	20	18	20	14	10	9	10	12	12	13	13	13	12	9	8	9	10	10	12	14
17	16	16	14	13	10	12	16	16	16	13	35	17	17	13	17	25	9	10	12	13	17	17	21	16	16
18	9	8	8	12	10	12	16	24	26	21	18	22	17	14	9	10	7	8	13	17	14	9	8	10	13
19	8	7	21	33	33	39	33	30	35	20	24	17	18	88	54	16	8	8	10	14	18	14	12	18	24
20	17	16	16	14	14	17	18	20	18	18	18	20	18	17	17	18	21	24	22	18	14	10	7	4	17
21	4	3	3	4	5	9	9	14	24	25	24	17	13	12	9	10	10	9	8	9	20	24	21	21	13
22	22	20	17	17	16	14	13	13	13	17	38	50	----	----	8	13	8	5	4	4	4	5	8	10	15
23	7	8	8	5	8	8	10	14	21	26	29	30	30	31	18	13	12	7	7	5	7	8	10	13	14
24	12	14	12	12	13	18	35	47	43	41	33	21	21	22	13	8	9	14	13	26	30	24	14	21	22
25	21	21	18	14	12	7	5	5	4	4	3	5	10	8	9	9	8	5	5	4	4	4	7	18	9
26	24	25	18	13	10	8	7	5	12	10	9	10	12	12	9	9	12	13	12	13	14	10	10	12	12
27	12	8	8	9	10	8	9	9	12	16	20	24	33	38	29	10	7	16	20	16	16	20	24	21	16
28	18	21	20	18	16	16	18	25	69	60	43	34	33	28	24	24	16	25	18	16	21	18	18	20	26
AVG	15	15	16	17	17	18	19	21	23	21	21	23	23	21	20	20	17	15	14	15	16	15	15	17	18
HOURS	28	28	28	28	28	28	28	28	28	27	27	27	27	26	27	28	28	28	28	28	28	28	28	28	665

TOTAL HOURS	= 672	TOTAL AVERAGE	= 18	- 3HR RUNNING AVERAGE-		-24HR RUNNING AVERAGE-	
NUMBER OF GOOD HOURS	= 665	HIGHEST HOURLY VALUE	= 117	0VALUES EXCEED	1300	0VALUES EXCEED	365
NUMBER OF MISSING HOURS	= 7	2nd HIGH HOURLY VALUE	= 92	HIGHEST AVERAGE	89	HIGHEST AVERAGE	41
DATA CAPTURE (PERCENT)	= 99.0	MINIMUM REPORTED VALUE	= 3	2nd HIGHEST AVG.	71	2nd HIGHEST AVG.	34
STANDARD DEVIATION	= 13						

NOTE: MISSING VALUE INDICATOR IS----

DATA VALIDATED BY
ENSR

ENSR

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

DATA FOR FEB 2007
RUN DATE:03/14/07

LOCATION:SOUTHEAST SO2 SO2 (ug/m3)

HOURS(est)																							
HR-BEG00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HR-END01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
DAY																							AVG
1	9	8	8	13	18	20	21	21	26	22	18	17	18	20	18	21	17	16	14	35	42	22	17	14	19
2	12	12	17	17	17	26	21	33	31	20	14	13	14	14	18	37	35	21	16	12	10	30	199	168	34
3	31	25	21	22	58	77	67	41	68	80	21	13	10	8	7	5	5	5	5	7	5	5	5	5	25
4	7	8	21	52	30	39	31	28	18	18	18	52	90	16	24	30	16	12	110	227	148	240	326	195	73
5	72	33	52	86	173	69	109	118	126	77	124	141	73	62	42	37	43	21	21	42	56	67	56	34	72
6	38	88	111	118	59	39	24	18	56	111	38	31	52	67	63	18	20	22	20	17	21	18	9	7	44
7	7	9	16	20	20	20	16	21	30	72	170	97	134	113	166	148	98	47	30	26	30	63	31	33	59
8	28	24	24	21	17	20	18	22	144	114	122	236	212	215	153	84	52	26	20	21	21	22	21	18	69
9	16	13	12	14	174	54	73	94	76	46	109	132	----	168	97	59	199	59	39	29	42	26	48	75	72
10	62	48	54	60	55	50	52	51	48	242	187	199	164	164	111	97	73	64	41	89	98	101	45	31	91
11	35	37	43	43	48	47	47	54	54	52	51	46	52	45	38	34	31	24	20	22	25	22	18	18	38
12	14	14	13	14	16	14	17	21	18	24	22	17	14	----	----	----	----	----	21	10	10	9	10	12	15
13	10	9	8	9	12	10	8	7	5	9	12	9	5	4	4	3	3	3	3	3	3	3	3	3	6
14	3	16	8	8	73	81	162	17	94	98	126	119	59	88	80	106	75	199	134	138	123	111	77	45	85
15	31	13	37	67	72	179	83	149	127	135	52	86	90	43	64	47	52	43	50	24	26	24	20	17	64
16	16	13	13	13	13	14	14	13	10	29	34	69	58	26	22	24	39	35	8	12	18	7	7	7	21
17	10	9	9	7	5	8	9	8	8	4	16	5	7	7	7	5	4	5	7	8	9	12	12	10	8
18	7	5	5	5	4	7	17	64	56	90	45	96	123	88	96	63	41	35	98	51	124	153	107	119	62
19	160	338	266	159	127	77	48	33	39	17	18	13	12	9	4	3	3	4	5	7	8	8	9	14	58
20	13	10	12	10	10	13	14	16	14	14	----	16	16	14	13	17	20	20	21	16	13	9	3	3	13
21	3	3	3	4	3	8	7	21	24	26	18	13	10	34	33	33	10	8	7	7	18	18	13	12	14
22	14	13	10	13	12	12	10	10	12	13	17	17	16	29	761	842	692	882	375	398	376	316	254	469	232
23	435	257	464	531	500	588	423	320	631	770	709	552	713	500	320	324	337	334	310	207	182	211	80	93	408
24	111	69	103	177	189	149	107	123	178	156	139	93	89	48	43	21	13	16	10	22	28	22	9	17	81
25	18	14	10	9	8	5	4	4	4	3	3	9	17	12	12	12	8	5	4	3	3	3	8	25	8
26	26	26	20	17	8	10	18	8	16	10	8	8	7	12	7	7	12	10	9	7	8	7	7	4	11
27	7	4	4	4	4	4	5	5	5	8	13	18	28	34	22	13	14	35	48	21	13	22	48	20	17
28	18	28	18	18	16	16	14	24	93	128	48	31	30	26	24	20	17	16	14	13	18	14	14	16	28
AVG	43	41	49	55	62	59	52	48	72	85	80	77	78	69	83	78	71	73	52	53	53	56	52	53	62
HOURS	28	28	28	28	28	28	28	28	28	28	27	28	27	27	27	27	27	27	28	28	28	28	28	28	665

TOTAL HOURS	= 672	TOTAL AVERAGE	= 62	- 3HR RUNNING AVERAGE-		-24HR RUNNING AVERAGE-
NUMBER OF GOOD HOURS	= 665	HIGHEST HOURLY VALUE	= 882	0VALUES EXCEED1300		20VALUES EXCEED 365
NUMBER OF MISSING HOURS=	7	2nd HIGH HOURLY VALUE	= 842	HIGHEST AVERAGE 805		HIGHEST AVERAGE 532
DATA CAPTURE (PERCENT)	= 99.0	MINIMUM REPORTED VALUE	= 3	2nd HIGHEST AVG. 703		2nd HIGHEST AVG. 172
STANDARD DEVIATION	= 112					

NOTE: MISSING VALUE INDICATOR IS----

DATA VALIDATED BY
ENSR

ENSR

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:NORTHEAST SO2 SO2 (ug/m3)

DATA FOR FEB 2007
RUN DATE:03/14/07

HOURS(est)

HR-BEG00 / HR-END01 / DAY	01 / 02	02 / 03	03 / 04	04 / 05	05 / 06	06 / 07	07 / 08	08 / 09	09 / 10	10 / 11	11 / 12	12 / 13	13 / 14	14 / 15	15 / 16	16 / 17	17 / 18	18 / 19	19 / 20	20 / 21	21 / 22	22 / 23	23 / 24	AVG
1	7	5	7	9	14	16	18	16	21	17	9	7	7	7	7	9	8	8	8	17	20	12	8	7	11
2	5	5	5	7	7	8	8	10	12	10	9	8	9	9	9	16	20	13	9	9	8	9	20	21	10
3	17	18	18	16	17	20	21	21	20	14	20	29	73	92	63	80	46	16	5	7	13	12	8	7	27
4	7	4	7	14	17	16	13	14	16	14	16	42	89	14	10	10	13	10	12	21	35	55	71	20	23
5	17	17	10	13	16	13	18	22	17	43	109	41	97	50	83	48	60	24	14	7	8	17	16	16	32
6	7	5	9	17	14	9	13	9	16	16	43	21	12	59	17	59	37	20	16	13	16	13	5	4	19
7	3	4	7	10	12	13	12	10	14	17	26	26	26	30	43	62	21	31	21	17	14	28	20	17	20
8	20	17	17	14	12	13	9	10	10	8	71	39	37	20	35	68	58	34	17	14	14	17	17	13	24
9	8	8	7	8	50	14	35	33	47	50	----	----	34	30	42	34	30	26	28	26	21	20	28	52	29
10	38	48	55	63	62	56	54	54	42	45	22	21	58	37	50	38	38	26	21	34	31	30	31	34	41
11	34	39	45	45	48	48	47	54	55	48	48	43	39	39	37	34	31	30	25	25	26	16	14	14	37
12	14	14	13	14	14	16	14	17	16	18	20	18	17	14	38	96	79	54	22	14	14	13	14	14	24
13	14	14	13	13	14	14	14	13	13	13	14	14	14	13	13	13	13	13	13	13	13	13	13	13	14
14	13	14	14	13	13	14	16	16	16	17	16	----	----	20	24	43	55	34	24	24	21	21	20	18	21
15	20	20	18	25	24	29	22	21	18	21	42	46	51	55	64	50	73	52	45	43	30	28	26	25	35
16	24	22	22	20	21	41	110	38	62	113	55	42	54	89	147	143	62	55	20	18	18	18	21	20	51
17	22	22	22	17	16	16	17	17	20	17	25	18	18	18	18	18	18	18	18	20	21	21	21	20	19
18	18	16	16	16	16	16	18	26	30	29	37	52	45	31	20	67	25	20	20	22	25	24	21	28	26
19	37	21	29	39	39	43	38	37	47	34	47	38	28	24	18	17	17	18	18	21	21	22	24	26	29
20	26	25	26	26	25	28	29	28	29	28	28	----	----	13	13	14	17	17	17	12	7	4	3	4	19
21	3	4	4	3	3	4	4	5	12	18	18	14	12	10	10	9	9	9	8	9	14	16	7	8	9
22	12	8	5	8	8	7	5	7	5	7	8	9	24	10	72	101	135	176	93	123	71	68	123	145	51
23	31	9	42	94	58	34	14	16	21	39	31	29	33	30	18	12	13	7	5	7	7	8	10	10	24
24	12	12	10	10	12	14	29	39	38	37	29	18	18	20	12	8	9	13	12	22	26	21	4	5	18
25	5	5	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3
26	5	5	5	4	4	4	4	4	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
27	5	5	5	4	4	5	5	5	5	7	8	10	14	18	16	13	9	13	17	14	14	17	18	14	10
28	14	16	13	10	9	10	10	16	51	50	37	30	28	25	21	21	17	17	16	16	20	16	14	14	20
AVG	16	14	16	19	20	19	22	20	24	26	29	25	32	28	32	39	33	27	19	21	19	19	21	21	23
HOURS	28	28	28	28	28	28	28	28	28	28	27	25	26	28	28	28	28	28	28	28	28	28	28	28	666

TOTAL HOURS	= 672	TOTAL AVERAGE	= 23	- 3HR RUNNING AVERAGE-		-24HR RUNNING AVERAGE-
NUMBER OF GOOD HOURS	= 666	HIGHEST HOURLY VALUE	= 176	ØVALUES EXCEED1300		ØVALUES EXCEED 365
NUMBER OF MISSING HOURS	= 6	2nd HIGH HOURLY VALUE	= 147	HIGHEST AVERAGE 137		HIGHEST AVERAGE 66
DATA CAPTURE (PERCENT)	= 99.1	MINIMUM REPORTED VALUE	= 3	2nd HIGHEST AVG. 126		2nd HIGHEST AVG. 55
STANDARD DEVIATION	= 22					

NOTE: MISSING VALUE INDICATOR IS----

DATA VALIDATED BY
ENSR

ENSR

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:NORTH-DAINGERFIELD SO2 (ug/m3)

DATA FOR FEB 2007
RUN DATE:03/14/07

DAY	HR-BEG00 HR-END01	01 02	02 03	03 04	04 05	05 06	06 07	07 08	08 09	09 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	18 19	19 20	20 21	21 22	22 23	23 24	AVG
	HOURS(est)																								
1		12	13	13	17	22	29	21	24	58	25	20	18	18	18	18	20	14	13	13	30	39	22	14	13	21
2		8	9	8	9	12	14	12	17	22	17	12	12	12	10	14	25	26	14	9	8	7	10	24	21	14
3		17	16	14	14	20	20	20	20	18	14	12	10	8	7	5	4	4	5	5	5	5	4	4	4	11
4		4	4	7	13	16	14	13	12	16	14	16	43	56	13	10	12	13	10	9	10	10	8	13	13	15
5		13	10	10	13	12	13	18	18	14	12	16	18	12	8	7	5	7	7	7	7	7	12	16	13	11
6		8	7	12	14	12	10	9	10	13	13	14	13	10	9	9	12	17	20	18	16	18	17	17	14	13
7		13	16	24	28	26	24	17	14	14	20	30	28	28	22	33	30	18	20	21	18	14	20	16	17	21
8		17	16	16	14	12	12	12	12	10	8	5	9	12	14	17	17	17	14	14	16	14	16	17	17	14
9		14	13	10	12	13	14	18	26	31	34	28	25	25	26	24	45	20	21	22	18	14	14	22	41	22
10		28	38	41	43	43	41	39	43	30	26	14	13	16	17	10	8	9	12	14	25	21	21	22	24	25
11		25	28	33	35	38	39	33	41	47	46	45	39	43	43	34	30	31	20	17	18	21	18	17	18	32
12		17	17	16	14	13	14	17	22	17	18	21	16	13	10	35	105	81	51	28	20	20	20	17	20	26
13		16	14	13	13	16	17	13	10	9	13	18	13	9	8	8	8	----	----	5	5	5	5	4	4	10
14		7	21	12	8	8	14	17	12	12	16	14	14	12	18	30	47	35	13	12	13	10	8	8	9	15
15		9	9	7	7	8	13	13	10	10	13	20	38	28	28	25	21	24	24	20	18	20	20	20	18	18
16		17	16	14	13	16	17	17	17	13	10	10	12	13	13	13	13	13	12	9	7	8	9	9	10	13
17		12	13	10	13	14	13	14	17	18	9	22	13	24	10	10	10	9	9	9	10	12	16	16	13	13
18		9	8	8	10	9	9	17	22	25	21	18	22	16	13	9	10	9	9	14	17	13	9	8	9	13
19		7	9	25	30	26	34	35	29	37	20	22	17	17	16	20	10	12	9	8	9	33	39	46	28	22
20		20	16	16	14	14	17	18	18	18	18	18	17	17	18	16	17	21	22	21	18	12	9	5	5	16
21		4	4	3	4	3	4	4	5	17	25	25	18	14	12	10	10	12	9	9	9	13	14	9	10	10
22		10	12	10	13	12	12	9	12	12	16	20	21	12	12	8	14	8	5	4	4	5	5	8	10	11
23		7	8	8	7	8	8	10	13	20	26	28	30	31	31	18	14	13	8	8	7	7	8	10	12	14
24		12	12	12	12	13	17	34	42	41	39	33	24	22	24	13	9	10	14	12	29	29	28	14	20	21
25		22	18	9	10	10	7	7	7	7	5	4	8	18	16	12	10	7	5	4	4	4	5	13	22	10
26		22	21	12	9	7	5	5	5	12	12	10	12	10	12	9	8	12	10	13	10	8	8	8	7	10
27		5	5	5	5	5	7	7	7	7	10	16	21	30	33	24	10	8	14	17	14	16	18	21	18	13
28		17	18	20	16	13	13	14	22	67	59	41	35	33	28	26	24	18	17	16	16	18	17	17	17	24
AVG		13	14	14	15	15	16	17	18	22	20	20	20	20	17	17	20	17	14	13	14	14	14	15	15	16
HOURS		28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	27	28	28	28	28	28	28	670

TOTAL HOURS	= 672	TOTAL AVERAGE	= 16	- 3HR RUNNING AVERAGE-		-24HR RUNNING AVERAGE-
NUMBER OF GOOD HOURS	= 670	HIGHEST HOURLY VALUE	= 105	0VALUES EXCEED1300		0VALUES EXCEED 365
NUMBER OF MISSING HOURS=	2	2nd HIGH HOURLY VALUE	= 81	HIGHEST AVERAGE	79	HIGHEST AVERAGE 32
DATA CAPTURE (PERCENT) =	99.7	MINIMUM REPORTED VALUE=	3	2nd HIGHEST AVG.	55	2nd HIGHEST AVG. 30
STANDARD DEVIATION =	10					

NOTE: MISSING VALUE INDICATOR IS----

DATA VALIDATED BY
ENSR

ENSR

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:SOUTHWEST HOLIDAY IN SO2 (ug/m3)

DATA FOR FEB 2007
RUN DATE:03/14/07

HR-BEG00 / HR-END01 / DAY	01 / 02	02 / 03	03 / 04	04 / 05	05 / 06	06 / 07	07 / 08	08 / 09	09 / 10	10 / 11	11 / 12	12 / 13	13 / 14	14 / 15	15 / 16	16 / 17	17 / 18	18 / 19	19 / 20	20 / 21	21 / 22	22 / 23	23 / 24	AVG
HOURS(est)																								
1	17	16	17	21	26	28	29	29	33	29	26	25	26	29	28	30	26	25	25	48	51	31	26	24	28
2	20	24	28	28	28	33	30	37	38	28	22	21	21	22	26	42	41	28	21	18	17	24	35	31	28
3	28	26	26	26	30	31	30	30	29	24	21	20	17	16	13	13	13	13	13	14	12	13	12	13	20
4	12	14	16	24	28	25	24	24	26	24	26	35	68	31	21	20	22	21	18	21	20	17	20	22	24
5	24	20	20	24	22	24	30	30	26	22	26	28	21	16	16	14	14	16	16	16	16	22	26	22	21
6	18	16	20	24	21	21	21	22	24	25	25	24	20	18	18	24	29	30	29	26	30	28	28	22	23
7	22	28	39	42	41	37	30	28	28	33	42	41	41	34	47	42	31	31	34	30	28	31	28	33	34
8	33	30	30	29	26	28	29	26	22	20	17	20	24	25	28	29	29	28	28	29	30	29	30	26	27
9	26	24	22	22	25	26	31	39	46	47	42	38	38	39	37	35	33	33	34	34	28	26	30	66	34
10	46	55	63	72	69	64	67	63	42	38	25	24	28	29	22	20	20	21	26	37	35	35	37	38	41
11	39	43	50	52	58	58	56	59	64	60	58	54	59	54	45	42	39	31	29	30	34	33	33	31	46
12	30	30	29	29	28	30	30	31	28	34	30	26	24	24	67	131	106	71	43	33	35	33	33	33	41
13	29	26	28	33	38	31	28	22	22	28	31	26	20	20	18	9	9	8	8	8	7	7	7	13	20
14	39	54	73	37	14	22	24	----	----	----	16	17	16	22	35	51	39	16	13	16	12	10	9	12	26
15	12	12	9	9	10	14	14	13	13	16	24	43	33	30	28	25	28	28	24	22	25	24	24	22	21
16	22	21	20	18	18	21	20	21	16	13	13	14	14	14	16	16	16	14	12	10	10	13	13	14	16
17	16	14	18	16	12	17	17	17	16	12	29	13	13	14	14	14	12	13	13	16	17	20	20	17	16
18	13	12	12	12	12	13	20	26	29	25	21	26	20	17	12	13	10	12	17	21	17	12	10	13	16
19	9	8	20	34	38	48	29	28	31	22	25	20	18	14	10	9	9	9	10	13	13	12	14	20	19
20	18	17	17	16	17	20	21	21	21	21	21	21	21	20	20	21	25	29	25	21	17	13	9	7	19
21	7	7	5	7	9	13	14	17	29	30	29	24	16	14	12	13	13	12	12	12	22	28	21	21	16
22	21	21	20	18	17	18	17	16	17	18	----	----	14	10	8	13	7	4	4	4	5	7	8	10	13
23	7	9	7	7	9	9	12	21	24	30	30	31	30	31	12	18	10	8	7	8	9	10	14	14	15
24	14	17	14	13	14	24	43	50	43	41	28	21	25	21	12	10	14	16	16	29	30	21	14	26	23
25	24	20	17	14	13	9	8	8	8	8	7	13	16	13	16	13	9	8	7	7	7	9	17	35	13
26	37	31	22	16	13	10	9	13	17	13	13	13	17	20	10	12	17	14	14	14	13	12	12	13	16
27	9	7	8	9	7	8	10	9	13	13	18	26	34	35	22	8	9	22	21	18	18	24	25	22	17
28	22	26	22	21	20	18	25	28	85	51	42	34	33	28	33	25	21	24	17	20	25	20	21	22	28
AVG	22	22	24	24	24	25	26	27	29	27	26	26	26	24	23	25	23	21	19	21	21	20	21	23	24
HOURS	28	28	28	28	28	28	28	27	27	27	27	27	28	28	28	28	28	28	28	28	28	28	28	28	667

TOTAL HOURS	= 672	TOTAL AVERAGE	= 24	- 3HR RUNNING AVERAGE-		-24HR RUNNING AVERAGE-
NUMBER OF GOOD HOURS	= 667	HIGHEST HOURLY VALUE	= 131	0VALUES EXCEED1300		0VALUES EXCEED 365
NUMBER OF MISSING HOURS=	5	2nd HIGH HOURLY VALUE	= 106	HIGHEST AVERAGE 103		HIGHEST AVERAGE 47
DATA CAPTURE (PERCENT)	= 99.3	MINIMUM REPORTED VALUE=	4	2nd HIGHEST AVG. 69		2nd HIGHEST AVG. 46
STANDARD DEVIATION	= 13					

NOTE: MISSING VALUE INDICATOR IS----

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* DATA VALIDATED BY *
* ENSR *
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ENSR

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:SOUTHEAST FENCELINE WSs (MPH)

DATA FOR FEB 2007
RUN DATE:03/14/07

HOURS(EST)

HR-BEG00 / HR-END01 / DAY	00 01	01 02	02 03	03 04	04 05	05 06	06 07	07 08	08 09	09 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	18 19	19 20	20 21	21 22	22 23	23 24	AVG
1	5.2	5.6	7.3	6.8	6.2	5.9	6.7	8.1	9.5	9.0	9.9	7.8	7.4	5.8	5.8	5.2	5.6	4.5	4.8	5.2	6.8	6.1	4.7	4.6	6.4
2	3.1	3.3	1.6	4.0	5.6	4.9	3.9	4.5	5.0	4.6	3.4	3.5	4.7	5.6	5.7	5.3	5.2	4.6	4.0	4.3	4.7	7.1	12.2	15.0	5.2
3	10.7	9.3	5.1	6.2	11.1	14.2	11.4	9.4	11.4	10.5	9.5	9.0	12.3	10.6	11.1	11.5	11.1	8.3	5.3	6.3	8.0	7.3	7.9	7.0	9.3
4	6.6	5.6	7.8	7.4	7.5	6.7	7.0	4.1	6.2	4.6	5.5	3.5	4.8	7.1	7.3	10.3	7.3	4.0	10.5	14.1	14.3	17.9	19.1	16.0	8.5
5	13.3	13.1	11.3	14.3	14.7	12.8	12.1	12.2	14.3	16.3	18.1	16.2	17.1	13.8	14.9	14.2	13.1	13.3	10.5	11.1	11.7	12.8	9.5	10.9	13.4
6	9.9	10.5	11.3	11.4	10.1	9.4	7.9	7.1	9.6	12.8	12.8	13.0	10.6	11.7	10.3	9.5	8.3	6.9	5.4	3.9	5.8	5.4	5.7	4.9	8.9
7	7.0	6.0	4.9	7.5	9.9	9.7	11.1	9.5	8.9	11.2	11.6	11.1	11.9	12.2	14.0	14.4	13.5	8.4	5.3	7.1	9.0	11.1	9.9	8.2	9.7
8	7.2	6.8	7.3	7.0	6.1	4.8	4.6	8.6	11.4	13.1	17.1	20.7	16.8	14.9	12.1	13.8	13.4	9.8	5.6	4.2	3.9	3.3	3.6	3.4	9.1
9	3.7	4.2	4.0	4.9	13.1	9.9	15.9	11.7	12.9	13.7	13.4	13.5	12.7	12.2	12.6	11.3	12.6	10.6	8.7	7.0	8.6	7.7	8.0	8.1	10.0
10	6.2	6.5	5.7	5.6	5.2	4.7	5.1	3.7	7.8	14.6	12.5	12.5	14.2	13.5	14.2	14.9	13.0	9.5	9.1	9.9	10.0	9.6	6.1	6.6	9.2
11	6.1	7.5	8.8	6.4	6.4	7.1	4.6	4.9	4.4	6.7	6.9	10.5	9.3	8.7	8.0	5.6	5.9	6.7	4.0	3.3	3.3	3.7	3.2	3.7	6.1
12	3.0	2.7	3.2	4.3	3.7	4.3	2.7	4.1	4.3	3.1	5.2	7.4	6.3	6.3	6.3	5.2	3.8	4.5	7.1	6.0	6.4	5.3	3.9	3.9	4.7
13	3.0	6.3	8.3	5.8	8.0	9.0	7.4	8.2	8.5	12.0	12.3	13.0	14.9	13.9	14.8	13.7	13.0	11.8	11.0	12.4	12.2	13.9	12.8	14.2	10.8
14	14.4	14.5	17.1	13.6	8.9	9.2	12.5	12.4	10.7	12.8	16.1	13.3	12.0	16.7	16.6	20.5	21.7	23.5	18.9	19.1	17.6	16.4	15.1	12.6	15.2
15	11.4	11.9	14.4	14.6	14.9	13.1	9.4	10.9	14.3	14.3	13.7	14.9	15.1	14.5	15.3	14.5	15.9	15.1	14.3	12.4	10.9	10.2	9.0	7.7	13.0
16	5.6	5.5	4.6	5.5	5.8	6.7	7.5	6.5	9.1	13.8	13.4	13.0	13.7	15.0	13.6	14.8	11.5	11.9	5.4	7.4	7.9	4.6	3.5	3.8	8.7
17	4.5	3.1	2.8	3.3	3.1	3.0	3.3	3.4	3.3	7.6	7.1	6.9	5.9	6.1	6.1	7.0	7.3	3.5	3.4	3.7	3.5	7.4	4.7	4.0	4.7
18	4.7	3.2	3.9	3.9	3.6	6.2	8.2	14.6	11.8	12.3	14.1	15.5	15.3	14.6	12.2	14.8	13.0	13.5	13.0	10.9	14.2	16.4	14.2	14.6	11.2
19	18.0	15.9	14.2	10.7	10.1	9.9	7.9	6.4	4.8	4.9	7.3	8.6	7.2	8.7	7.3	6.5	7.0	5.7	5.6	7.1	7.9	7.7	8.5	7.3	8.5
20	8.4	7.7	8.8	8.0	8.8	9.1	8.5	8.0	7.8	8.0	7.3	6.5	5.6	5.4	5.5	5.3	5.1	5.5	4.5	5.3	5.4	5.3	4.9	5.7	6.7
21	3.5	4.0	5.2	3.8	5.3	6.9	5.4	6.1	8.2	9.5	10.6	9.4	7.0	6.7	8.1	9.0	7.1	6.3	5.7	5.2	2.7	3.1	1.9	2.3	5.9
22	3.2	2.8	3.4	3.2	3.7	3.1	3.9	3.6	4.2	5.0	7.3	7.1	9.1	8.5	20.2	24.1	26.4	24.6	18.0	18.7	19.1	16.6	21.7	26.8	11.8
23	24.0	14.0	20.0	23.4	18.9	21.1	17.0	16.8	19.0	23.5	19.0	19.9	20.1	16.8	15.0	14.8	16.2	14.6	14.3	13.1	12.5	12.7	10.5	11.8	17.0
24	9.9	9.9	11.7	14.4	14.9	13.0	11.3	12.4	11.3	13.0	10.6	10.9	10.1	8.5	9.5	8.7	7.4	6.7	6.8	5.4	4.0	3.2	2.6	2.6	9.1
25	2.8	3.0	3.1	3.4	3.2	2.7	4.3	4.1	3.4	3.2	3.3	5.6	4.6	4.2	7.0	7.2	6.4	5.4	6.7	9.0	10.5	10.8	11.1	8.4	5.5
26	7.1	8.7	5.3	4.0	4.4	5.7	3.9	4.9	6.6	5.5	3.6	5.1	3.4	3.4	5.2	4.7	4.1	5.1	3.7	3.1	1.9	2.2	2.4	2.7	4.4
27	4.0	4.2	1.9	2.7	3.2	2.9	3.0	3.2	3.5	4.7	6.9	6.8	6.2	8.4	6.3	6.4	9.3	11.4	11.1	9.9	9.6	8.2	8.0	4.6	6.1
28	6.8	8.4	6.0	5.7	5.8	5.5	3.7	5.2	7.4	10.7	7.1	5.4	5.1	6.2	6.5	6.1	5.9	5.1	2.7	3.0	5.3	4.6	4.0	4.8	5.7
AVG	7.6	7.3	7.4	7.5	7.9	7.9	7.5	7.6	8.5	10.0	10.2	10.4	10.1	10.0	10.4	10.7	10.3	9.3	8.0	8.1	8.5	8.6	8.1	8.1	8.7
HOURS	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	672

TOTAL HOURS	= 672	TOTAL AVERAGE	= 8.7
NUMBER OF GOOD HOURS	= 672	HIGHEST HOURLY VALUE	= 26.8
NUMBER OF MISSING HOURS	= 0	2nd HIGH HOURLY VALUE	= 26.4
DATA CAPTURE (PERCENT)	= 100.0	MINIMUM REPORTED VALUE	= 1.6
STANDARD DEVIATION	= 4.6		

NOTE: MISSING VALUE INDICATOR IS----

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* DATA VALIDATED BY *
* ENSR *
****

ENSR

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:SOUTHEAST FENCELINE WDRs (DEG)

DATA FOR FEB 2007
RUN DATE:03/14/07

HOURS(EST)

HR-BEG00 / HR-END01 / DAY	00 01	01 02	02 03	03 04	04 05	05 06	06 07	07 08	08 09	09 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	18 19	19 20	20 21	21 22	22 23	23 24	AVG
1	176	179	175	181	182	187	202	178	186	196	198	200	207	183	173	169	151	159	144	154	173	170	165	154	177
2	110	340	328	24	24	44	15	40	58	112	140	131	153	163	173	169	211	232	257	251	255	282	296	302	171
3	301	283	250	283	296	299	302	301	299	297	282	254	257	252	249	247	251	242	216	209	232	247	250	252	265
4	261	270	290	293	297	299	298	285	325	342	48	68	71	40	343	301	318	299	296	295	291	291	293	297	259
5	296	292	301	299	296	301	302	294	295	290	286	289	285	279	279	281	285	285	283	291	295	293	291	289	291
6	295	298	298	295	287	292	285	279	281	291	274	281	282	272	277	268	250	227	226	188	166	192	221	155	258
7	126	109	60	38	29	353	323	317	308	309	303	305	294	288	291	291	294	282	292	288	285	290	286	309	253
8	315	299	301	305	291	257	287	300	301	297	290	293	292	299	288	286	279	276	263	267	271	251	238	247	283
9	213	196	218	249	291	300	291	293	288	284	289	296	295	295	290	285	297	296	293	296	297	302	308	313	282
10	306	312	303	304	301	284	288	270	273	296	295	292	292	291	288	292	289	291	297	308	305	309	311	315	296
11	306	324	322	318	330	328	310	353	105	147	145	150	173	169	196	204	191	241	229	194	217	185	209	20	224
12	181	230	314	309	291	339	279	207	203	92	156	147	149	153	151	157	255	284	349	17	35	36	47	30	184
13	26	31	22	11	37	30	53	52	46	61	53	56	57	55	55	56	57	57	49	52	49	44	38	36	45
14	37	55	68	326	312	305	316	318	299	298	298	295	292	296	295	293	288	299	301	301	299	301	300	301	270
15	292	286	295	294	293	298	296	301	301	301	288	291	289	284	284	283	284	285	285	284	288	292	288	288	290
16	269	250	251	276	267	254	257	260	268	279	281	284	281	284	277	281	284	285	281	291	289	276	223	245	270
17	244	224	187	185	186	254	190	177	219	161	157	171	177	148	157	161	145	183	226	218	202	234	247	259	196
18	268	267	262	245	239	272	295	296	295	301	289	288	291	301	305	290	299	292	302	296	299	301	298	298	287
19	297	305	306	308	306	298	292	284	286	251	243	229	189	184	164	179	184	181	164	169	178	179	187	194	232
20	199	201	208	204	207	211	211	208	209	208	200	187	185	179	170	175	168	171	173	185	201	197	337	234	201
21	231	263	277	292	309	313	311	316	339	314	30	31	352	330	318	304	293	298	16	64	114	101	175	74	228
22	131	170	179	153	156	161	156	177	159	164	154	174	242	277	296	298	295	301	298	316	322	298	289	291	227
23	302	305	301	299	301	302	309	316	312	303	305	306	308	312	311	311	308	305	305	301	296	298	294	296	304
24	296	295	299	301	298	301	301	300	302	301	308	300	303	303	299	301	307	303	299	289	292	255	177	131	286
25	312	237	260	186	188	177	225	201	204	187	151	106	130	139	132	126	106	89	62	50	50	53	43	23	143
26	320	325	323	285	305	309	278	271	288	302	312	64	71	142	174	181	209	212	219	181	191	126	210	237	231
27	202	217	106	187	187	224	213	190	171	167	168	193	187	155	152	242	289	318	318	316	317	319	301	281	226
28	319	306	298	289	291	295	297	289	301	302	306	346	60	39	27	48	55	60	101	48	66	69	117	66	183
AVG	237	245	243	241	243	260	256	253	247	245	223	215	220	218	229	231	237	241	234	219	224	221	230	212	234
HOURS	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	672

TOTAL HOURS	= 672	TOTAL AVERAGE	= 234
NUMBER OF GOOD HOURS	= 672	HIGHEST HOURLY VALUE	= 353
NUMBER OF MISSING HOURS	= 0	2nd HIGH HOURLY VALUE	= 353
DATA CAPTURE (PERCENT)	= 100.0	MINIMUM REPORTED VALUE	= 11
STANDARD DEVIATION	= 85		

NOTE: MISSING VALUE INDICATOR IS----

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* DATA VALIDATED BY *
* ENSR *
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ENSR

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:SOUTHEAST FENCELINE SDs (DEG)

DATA FOR FEB 2007
RUN DATE:03/14/07

HOURS(EST)

HR-BEG00 / HR-END01 / DAY	01 / 02	02 / 03	03 / 04	04 / 05	05 / 06	06 / 07	07 / 08	08 / 09	09 / 10	10 / 11	11 / 12	12 / 13	13 / 14	14 / 15	15 / 16	16 / 17	17 / 18	18 / 19	19 / 20	20 / 21	21 / 22	22 / 23	23 / 24	AVG
1	13.7	12.8	11.4	12.5	12.7	19.8	20.2	12.6	13.5	17.9	16.1	19.6	20.7	19.2	16.0	16.4	8.7	11.4	6.7	8.8	11.7	10.8	12.8	10.0	14.0
2	43.3	50.9	51.8	53.2	43.4	5.6	29.2	34.0	18.3	12.5	18.3	10.8	15.8	12.7	16.8	15.0	24.0	23.2	20.7	15.8	12.0	11.6	8.6	7.5	23.1
3	8.1	10.6	21.5	13.9	9.2	7.6	8.1	8.7	8.9	10.6	13.1	17.2	19.2	15.9	18.2	17.2	12.6	9.7	17.6	18.2	12.4	10.8	10.6	9.4	12.9
4	10.0	8.6	12.8	10.5	10.3	20.1	15.3	28.5	57.7	51.8	11.2	42.7	33.7	24.0	35.0	54.5	67.5	45.4	7.6	8.7	6.6	7.3	8.1	9.2	24.5
5	8.9	9.0	13.0	8.1	9.3	13.1	12.1	11.4	10.6	17.4	10.8	12.5	11.0	15.3	13.7	12.6	11.7	9.0	12.6	7.9	9.0	8.8	9.0	11.2	11.2
6	10.1	11.9	9.5	9.8	11.9	9.5	11.9	14.4	17.4	12.0	13.6	15.3	15.7	14.6	16.6	15.8	16.0	17.7	19.8	22.0	13.2	23.2	21.9	35.1	15.8
7	8.8	13.2	13.1	29.8	31.5	64.9	53.9	18.1	28.1	38.8	14.8	17.1	18.2	15.8	11.7	10.4	9.7	14.4	38.6	12.5	14.3	8.7	8.8	17.5	21.4
8	20.8	14.7	5.4	9.4	6.2	12.0	8.7	7.5	12.0	11.2	10.0	8.3	10.3	15.3	18.1	10.8	11.9	10.8	21.0	24.5	15.9	16.1	12.6	18.6	13.0
9	22.5	18.1	14.8	14.4	14.6	10.6	7.2	12.0	9.8	8.6	10.8	15.5	21.2	15.2	14.9	13.8	9.7	7.3	9.5	10.3	7.7	9.0	16.5	28.9	13.5
10	40.0	33.0	16.4	14.6	10.4	8.4	5.3	12.2	16.6	10.1	11.9	12.6	12.2	13.5	12.1	9.7	9.5	9.8	7.1	22.0	19.7	24.6	41.2	36.2	17.0
11	27.3	38.6	58.7	41.2	39.7	61.6	39.9	54.9	20.1	8.8	9.7	7.8	24.5	19.9	31.3	37.8	19.0	14.9	15.7	15.4	17.5	13.5	19.9	53.3	28.8
12	49.8	36.3	41.9	71.8	75.4	44.1	42.8	19.0	52.9	16.5	7.7	3.9	7.1	7.9	8.4	17.6	27.9	13.3	67.5	55.5	8.1	7.3	8.4	32.4	30.2
13	35.9	32.6	42.3	77.5	55.4	12.0	20.9	9.8	8.7	11.1	10.4	10.3	8.4	10.6	7.9	8.2	10.1	7.7	8.6	8.9	9.9	11.2	10.0	27.9	19.0
14	31.7	74.7	68.2	69.6	12.4	18.3	20.3	45.0	10.1	7.9	7.6	8.9	10.6	9.9	11.7	9.0	7.9	9.3	9.7	9.5	8.6	11.0	8.6	8.7	20.4
15	7.9	9.0	8.4	9.4	10.6	11.6	15.0	11.7	9.5	10.6	11.6	9.9	14.2	11.2	12.6	12.6	11.9	8.7	8.3	10.0	9.7	6.7	8.8	10.6	10.5
16	15.8	13.1	12.8	11.1	11.7	19.3	20.4	14.6	17.4	12.6	13.2	14.9	14.8	10.6	12.7	13.1	12.6	9.2	14.3	7.7	9.8	18.1	20.9	18.0	14.1
17	11.4	24.2	40.1	30.2	24.8	20.9	19.3	32.5	31.3	9.4	9.9	13.6	20.3	7.7	9.5	9.8	8.1	30.4	35.5	17.4	21.9	14.3	8.8	11.4	19.3
18	10.0	9.4	7.6	7.2	10.8	9.5	9.2	8.8	9.4	13.1	10.6	12.4	11.5	18.5	18.2	12.4	9.5	7.9	9.7	8.8	9.5	8.4	9.3	9.3	10.5
19	7.9	15.3	11.9	21.3	15.5	6.6	10.0	12.1	28.0	24.6	23.4	23.8	36.6	29.0	18.5	24.8	18.2	14.3	9.2	8.7	9.8	10.0	13.7	16.1	17.1
20	17.0	16.5	15.9	17.5	16.8	16.3	16.6	17.6	18.6	17.2	16.5	12.7	12.5	12.2	7.2	7.8	7.8	6.8	7.8	12.6	16.0	15.7	50.0	15.0	15.4
21	32.5	29.8	10.0	47.2	11.9	35.2	41.5	41.2	84.5	77.9	49.3	54.2	62.5	56.5	32.2	20.2	8.9	7.5	28.0	15.8	27.6	22.5	48.4	52.5	37.4
22	28.6	32.5	18.3	14.6	9.9	12.7	9.3	24.1	10.0	11.1	7.6	21.9	17.7	16.5	10.3	7.5	8.4	6.5	5.9	7.3	5.1	8.9	8.4	7.7	13.0
23	8.4	16.1	9.8	7.8	8.9	8.9	16.4	20.1	12.6	7.8	13.2	12.0	11.4	18.6	18.6	13.1	17.2	12.7	8.8	8.6	7.8	8.3	8.9	7.9	11.8
24	10.1	8.6	8.9	7.9	7.7	8.9	9.4	7.6	9.9	12.0	24.5	11.6	36.8	44.8	13.3	34.7	41.5	12.8	6.6	9.4	13.7	23.5	62.6	29.6	19.0
25	52.7	19.9	34.4	25.9	17.7	24.9	16.5	15.2	17.4	15.0	13.3	8.3	15.9	13.7	11.4	13.0	11.7	12.2	25.9	43.9	16.9	43.7	32.0	81.4	24.3
26	65.7	54.4	34.6	23.2	28.5	13.8	14.8	9.4	8.3	8.7	55.3	15.4	15.0	22.3	13.1	11.1	18.7	17.5	24.8	26.0	57.0	51.8	22.0	18.0	26.2
27	14.7	18.8	46.3	59.7	19.8	25.4	17.5	17.9	9.5	6.4	6.7	19.3	27.8	12.1	10.5	45.5	12.5	35.7	41.5	66.8	78.6	54.7	13.7	18.1	28.3
28	66.3	16.6	7.6	6.0	7.2	8.2	29.3	10.1	12.7	17.1	52.1	66.0	30.0	53.6	34.7	14.2	28.0	15.8	40.1	38.3	15.3	19.7	20.5	15.5	26.0
AVG	24.3	23.2	23.1	25.9	19.4	18.9	19.3	19.0	20.1	17.1	16.9	17.8	19.8	19.2	16.3	17.4	16.5	14.4	18.9	18.6	16.6	17.2	18.8	22.0	19.2
HOURS	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	672

TOTAL HOURS	= 672	TOTAL AVERAGE	= 19.2
NUMBER OF GOOD HOURS	= 672	HIGHEST HOURLY VALUE	= 84.5
NUMBER OF MISSING HOURS	= 0	2nd HIGH HOURLY VALUE	= 81.4
DATA CAPTURE (PERCENT)	= 100.0	MINIMUM REPORTED VALUE	= 3.9
STANDARD DEVIATION	= 14.7		

NOTE: MISSING VALUE INDICATOR IS----

****
* DATA VALIDATED BY *
* ENSR *
****

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

DATA FOR FEB 2007
RUN DATE:03/14/07

LOCATION:SOUTHEAST FENCELINE TMP2m (DEGF)

HOURS(EST)																								
HR-BEG00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
HR-END01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
DAY																								
1	30.9	31.2	31.1	31.6	31.6	31.9	32.7	32.8	32.9	33.2	32.3	31.8	32.2	33.0	33.2	33.9	34.6	35.1	34.9	35.0	34.5	33.7	33.4	33.2	32.9
2	32.2	32.9	33.2	33.4	32.9	32.6	33.0	33.4	34.3	34.3	35.3	36.0	37.2	37.3	37.2	36.3	36.9	37.0	36.8	37.5	37.7	37.5	36.6	35.1	35.3
3	34.1	34.2	33.5	32.6	30.8	28.9	27.4	25.9	26.0	27.6	29.6	31.3	33.0	34.4	35.3	36.2	36.8	36.1	37.3	36.5	36.1	35.0	35.0	34.1	32.8
4	32.9	32.1	31.4	28.9	27.6	25.4	24.6	23.9	24.7	25.7	28.7	30.0	32.6	33.2	34.7	34.3	32.5	33.6	33.2	30.6	29.3	28.0	26.5	24.7	29.5
5	23.3	22.4	21.3	19.8	19.2	18.1	16.9	15.9	15.6	15.4	15.4	16.7	18.3	20.0	21.3	22.1	21.8	20.6	19.5	19.0	18.1	16.7	15.8	14.9	18.7
6	14.3	13.7	13.3	12.9	12.5	11.7	10.5	10.7	12.3	14.2	16.1	18.9	21.1	23.1	24.0	25.7	26.1	25.5	25.3	24.9	24.4	24.7	22.0	21.3	18.7
7	21.1	21.7	22.3	22.1	22.0	21.7	20.1	18.5	18.5	20.5	21.4	22.7	24.0	26.0	28.0	29.0	29.0	27.2	26.3	25.6	25.1	24.4	23.0	22.1	23.4
8	21.7	20.6	19.8	18.9	18.8	18.0	16.8	18.0	19.9	21.8	24.1	24.6	25.5	26.3	26.8	27.3	27.0	25.9	24.9	24.7	23.8	22.9	22.6	20.6	22.5
9	20.4	20.3	19.5	19.8	23.9	23.3	21.4	20.7	20.2	20.7	23.2	24.6	26.9	29.7	30.8	32.1	32.6	31.4	30.5	29.5	29.7	28.5	27.8	26.5	25.6
10	25.4	25.2	24.0	23.2	22.0	21.1	20.6	21.5	24.6	25.4	26.4	29.1	31.4	33.7	35.4	35.7	35.0	33.2	31.6	30.1	28.5	26.9	25.2	24.6	27.5
11	23.5	22.9	22.4	21.6	20.6	20.5	20.1	20.2	23.1	24.0	26.7	29.0	30.8	32.5	35.0	36.3	36.2	36.5	36.2	34.7	32.8	31.0	29.5	29.0	28.1
12	28.5	28.0	28.5	27.7	28.8	29.0	28.3	29.3	30.1	32.1	34.4	37.8	39.8	41.1	41.6	41.1	42.4	42.4	38.6	36.5	36.1	35.8	35.9	35.7	34.6
13	36.0	35.3	34.4	34.7	34.7	34.3	34.2	33.5	32.9	32.1	31.1	30.6	29.7	29.3	28.4	28.0	27.7	27.2	26.9	27.0	26.7	25.7	25.0	25.3	30.5
14	25.2	26.0	27.6	27.3	25.9	25.2	29.8	33.2	32.6	32.7	31.5	31.4	33.3	33.3	32.7	32.2	29.9	26.6	24.4	23.9	23.4	22.9	21.7	21.0	28.1
15	20.4	19.7	19.2	18.0	17.0	16.8	16.9	17.3	18.3	19.3	20.0	20.2	20.7	22.2	23.9	24.9	24.8	23.9	22.7	21.3	20.5	19.5	19.0	18.7	20.2
16	18.2	17.9	17.2	17.3	16.7	16.4	16.4	16.4	18.0	19.4	21.0	22.9	23.8	25.4	26.2	27.2	28.0	27.5	26.8	25.9	25.7	24.7	24.3	23.2	21.9
17	22.0	19.8	19.0	19.5	18.8	17.7	18.0	18.8	21.6	23.9	26.3	29.8	32.3	33.7	35.2	35.3	34.7	35.2	35.0	33.8	33.1	34.6	34.4	33.3	27.7
18	32.6	31.6	30.5	30.8	30.6	30.4	31.7	31.2	30.9	31.0	31.5	31.7	32.6	32.1	31.8	31.6	27.8	26.5	25.7	25.5	25.4	24.2	23.1	22.2	29.3
19	21.2	20.6	19.5	18.9	18.2	17.2	17.2	17.2	18.6	20.8	23.7	26.2	28.0	30.8	33.3	34.7	35.6	35.7	34.4	33.9	33.9	35.5	37.3	37.3	27.1
20	38.5	40.2	41.6	41.6	41.4	41.9	42.3	42.3	42.8	43.2	43.5	42.9	43.9	44.8	45.5	47.6	47.9	47.9	47.2	45.9	47.2	46.3	43.4	45.2	44.0
21	43.7	44.0	43.0	41.6	42.4	42.6	40.9	41.6	43.8	46.3	45.8	47.0	50.0	52.1	53.4	53.5	52.6	51.2	47.1	45.0	43.9	42.1	39.0	39.3	45.5
22	41.3	39.6	39.6	39.3	39.3	39.5	38.8	39.9	39.7	41.3	43.1	48.5	50.9	53.4	55.4	52.6	48.1	45.0	43.4	42.6	41.9	40.8	39.6	38.6	43.4
23	36.7	36.0	35.1	34.7	33.9	32.9	32.5	32.0	31.7	31.0	31.8	32.4	34.1	36.6	38.9	39.3	38.3	36.5	34.8	33.5	32.4	31.3	30.0	29.3	34.0
24	28.5	27.4	26.4	25.7	25.2	24.2	23.4	23.3	24.5	26.5	29.8	32.4	35.1	37.5	39.7	40.8	41.9	41.2	40.1	39.9	39.1	37.9	36.2	36.4	32.6
25	36.4	36.5	36.2	35.5	35.5	33.1	32.2	32.0	32.1	31.4	30.9	31.1	30.8	30.9	31.4	31.9	31.8	31.7	31.5	31.6	31.5	31.4	31.4	31.2	32.5
26	31.4	31.7	32.2	32.0	32.3	32.8	32.2	32.0	32.4	33.4	34.2	34.4	36.3	38.6	39.6	40.0	40.7	40.1	40.4	39.5	39.0	38.0	38.1	37.6	35.8
27	37.1	36.3	35.9	35.7	35.1	34.7	34.2	33.8	35.1	38.3	41.9	47.2	49.5	49.4	49.9	52.5	53.0	49.9	47.6	45.8	44.1	43.1	41.7	40.1	42.2
28	39.0	38.0	37.0	35.9	35.1	34.8	35.0	35.6	38.1	40.4	42.9	45.3	48.1	49.4	50.1	50.7	49.6	47.9	46.3	44.7	43.2	40.9	40.4	38.9	42.0
AVG	29.2	28.8	28.4	27.9	27.6	27.0	26.7	26.8	27.7	28.8	30.1	31.7	33.3	34.6	35.7	36.2	35.8	34.9	33.9	33.0	32.4	31.6	30.6	30.0	30.9
HOURS	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	672

TOTAL HOURS	= 672	TOTAL AVERAGE	= 30.9
NUMBER OF GOOD HOURS	= 672	HIGHEST HOURLY VALUE	= 55.4
NUMBER OF MISSING HOURS	= 0	2nd HIGH HOURLY VALUE	= 53.5
DATA CAPTURE (PERCENT)	= 100.0	MINIMUM REPORTED VALUE	= 10.5
STANDARD DEVIATION	= 8.7		

NOTE: MISSING VALUE INDICATOR IS----

****
* DATA VALIDATED BY *
* ENSR *
****

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

DATA FOR FEB 2007
RUN DATE:03/14/07

LOCATION:SOUTHEAST FENCELINE DT2M (DEGF)

HR-BEG00 / HR-END01 / DAY	00 01	01 02	02 03	03 04	04 05	05 06	06 07	07 08	08 09	09 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	18 19	19 20	20 21	21 22	22 23	23 24	AVG
1	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.1	0.3	0.4	0.3	0.1	0.1	0.1	0.1	0.1
2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	-0.3	-0.2	-0.4	-0.5	-0.6	-0.3	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.4	0.4	0.4	0.0
3	0.4	0.4	0.4	0.6	0.3	0.3	0.3	0.3	0.2	0.0	-0.1	-0.4	-0.4	-0.3	-0.3	-0.2	0.0	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.2
4	0.6	0.7	0.6	0.4	0.4	0.3	0.3	0.4	0.2	-0.2	-2.2	-1.7	-2.6	-2.1	-1.1	-0.1	0.0	0.2	0.4	0.3	0.3	0.2	0.2	0.2	-0.2
5	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.1	-0.1	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4	-0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.0
6	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.1	-0.1	-0.4	-0.5	-0.5	-0.6	-0.5	-0.5	-0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.0	0.0
7	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.6	0.5	0.3	0.2	0.0	-0.1	-0.2	-0.2	-0.1	0.0	0.4	0.7	0.6	0.5	0.4	0.5	0.5	0.2
8	0.5	0.6	0.6	0.7	0.7	0.5	0.8	0.5	0.3	0.1	-0.1	-0.2	-0.4	-0.4	-0.4	-0.3	-0.1	0.2	0.4	0.4	0.7	1.2	0.7	0.8	0.3
9	0.4	0.4	0.4	1.0	0.5	0.5	0.4	0.3	0.2	-0.1	-0.3	-0.4	-0.5	-0.6	-0.4	-0.4	-0.1	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.2
10	0.4	0.3	0.6	0.7	0.7	0.7	0.9	0.6	0.0	-0.1	-0.2	-0.4	-0.5	-0.5	-0.4	-0.3	-0.1	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.2
11	0.5	0.4	0.4	0.4	0.6	0.5	0.7	1.0	0.1	-1.2	-1.9	-2.3	-1.0	-0.8	-0.7	-0.4	0.0	0.2	0.4	0.9	1.0	0.9	1.7	1.4	0.1
12	1.7	2.1	1.9	1.7	1.0	0.7	1.5	0.3	0.1	-0.8	-1.1	-2.4	-1.8	-0.8	-0.5	0.2	0.1	0.3	0.2	0.3	0.5	0.6	0.8	0.6	0.3
13	0.7	0.6	0.5	0.3	0.4	0.6	0.5	0.3	0.3	0.0	-0.2	-0.1	-0.3	-0.3	-0.4	-0.4	-0.3	-0.2	-0.2	-0.2	-0.3	-0.4	-0.4	-0.4	0.0
14	-0.5	-0.1	0.0	0.1	0.1	0.0	0.2	0.2	0.1	0.1	0.3	0.3	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.1
15	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	0.1	0.3	0.3	0.4	0.4	0.3	0.4	0.4	0.2
16	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.1	0.0	-0.2	-0.2	-0.2	-0.1	0.0	0.1	0.3	0.5	0.5	0.5	0.6	0.7	1.3	0.3
17	1.3	2.4	2.7	1.5	1.5	1.3	1.4	1.1	0.5	-0.1	-0.5	0.0	-0.1	-0.8	-0.4	0.1	0.3	0.4	0.7	0.9	0.9	0.3	0.4	0.5	0.7
18	0.5	0.8	1.5	0.6	0.6	0.8	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4
19	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.2	0.0	-0.1	-0.2	-0.5	-0.4	0.0	0.1	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.2
20	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.4	0.5	0.7	1.4	2.5	3.3	1.9	1.3	0.9	0.8
21	1.5	1.8	2.4	2.3	2.6	1.2	1.4	0.8	0.8	0.5	-0.1	0.0	-0.3	-0.6	-0.4	0.0	0.1	0.6	1.8	1.9	1.6	2.3	2.5	2.3	1.1
22	1.3	1.6	0.9	0.9	0.6	0.8	1.2	0.6	0.6	-0.2	-0.9	-0.8	0.0	-0.3	0.1	0.1	0.1	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.4
23	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	-0.1	-0.3	-0.4	-0.4	-0.5	-0.4	-0.2	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.1
24	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	-0.1	-0.1	-0.3	-0.4	-0.6	-0.5	-0.4	-0.3	0.2	0.4	0.6	0.7	0.6	1.4	0.8	0.1
25	0.8	0.9	0.9	0.4	0.4	0.4	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.0	0.3
26	-0.1	-0.2	-0.5	-0.2	-0.3	-0.4	0.0	0.2	0.1	0.2	0.2	0.2	0.1	-0.2	-0.1	0.0	0.0	0.1	0.2	0.4	0.4	0.8	0.8	1.4	0.1
27	0.9	0.4	1.2	1.1	1.4	1.2	1.0	0.4	-0.2	-0.9	-1.3	-0.7	-0.8	-0.9	-0.5	-0.4	-0.2	0.1	0.3	0.3	0.4	0.3	0.4	0.7	0.2
28	0.5	0.5	0.7	0.7	0.6	0.6	0.7	0.4	0.3	0.1	-0.2	-1.1	-3.2	-2.8	-2.6	-2.9	-1.7	-0.1	0.7	1.0	1.6	1.6	1.3	1.5	-0.1
AVG	0.5	0.6	0.6	0.6	0.5	0.4	0.5	0.4	0.2	-0.1	-0.3	-0.4	-0.5	-0.5	-0.4	-0.2	-0.1	0.2	0.4	0.5	0.6	0.6	0.6	0.6	0.2
HOURS	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	672

TOTAL HOURS	= 672	TOTAL AVERAGE	= 0.2
NUMBER OF GOOD HOURS	= 672	HIGHEST HOURLY VALUE	= 3.3
NUMBER OF MISSING HOURS	= 0	2nd HIGH HOURLY VALUE	= 2.7
DATA CAPTURE (PERCENT)	= 100.0	MINIMUM REPORTED VALUE	= -3.2
STANDARD DEVIATION	= 0.7		

NOTE: MISSING VALUE INDICATOR IS----

DATA VALIDATED BY
ENSR

ENSR

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

DATA FOR FEB 2007
RUN DATE:03/14/07

LOCATION:SOUTHEAST FENCELINE VWS (MPH)

HR-BEG / HR-END / DAY	00 01	01 02	02 03	03 04	04 05	05 06	06 07	07 08	08 09	09 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	18 19	19 20	20 21	21 22	22 23	23 24	AVG
	HOURS(EST)																								
1	-0.3	-0.2	-0.3	-0.4	-0.4	-0.3	-0.5	-0.4	-0.7	-0.5	-0.8	-0.3	-0.6	-0.1	0.0	0.0	0.1	0.0	0.0	0.1	-0.3	-0.2	-0.1	0.1	-0.3
2	0.0	0.1	0.0	0.2	0.5	0.5	0.2	0.3	0.6	0.2	0.0	0.1	0.2	0.1	0.0	0.0	-0.1	0.0	0.1	0.1	0.1	0.2	0.6	0.5	0.2
3	0.3	0.3	0.0	0.1	0.4	0.6	0.5	0.2	0.2	0.3	0.3	0.0	0.2	0.1	0.0	0.3	0.3	-0.1	-0.1	-0.3	-0.2	0.1	0.0	0.1	0.1
4	0.2	0.0	0.1	0.3	0.2	0.3	0.3	0.1	0.5	0.1	0.3	0.1	0.2	0.5	0.3	0.5	0.5	0.3	0.3	0.7	0.6	0.9	0.9	0.8	0.4
5	0.7	0.6	0.5	0.5	0.7	0.6	0.4	0.5	0.5	0.9	0.7	0.7	1.2	0.5	0.7	0.7	0.8	0.5	0.4	0.5	0.4	0.5	0.3	0.4	0.6
6	0.3	0.5	0.2	0.5	0.3	0.2	0.2	0.3	0.4	0.6	0.6	0.7	0.5	0.7	0.5	0.4	0.1	-0.3	-0.2	-0.2	-0.1	0.0	-0.2	0.2	0.3
7	0.7	0.6	0.6	0.9	1.2	0.6	0.4	0.6	0.9	0.9	0.6	0.6	0.6	0.7	0.7	0.8	0.7	0.6	0.0	0.2	0.2	0.4	0.4	0.4	0.6
8	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.4	0.6	0.8	1.1	0.9	0.6	0.7	0.7	0.8	0.4	0.1	0.0	0.0	-0.1	0.0	-0.1	0.3
9	-0.1	-0.1	-0.1	0.0	0.8	0.4	0.7	0.5	0.5	0.4	0.5	0.6	0.6	0.7	0.7	0.5	0.7	0.4	0.2	0.2	0.3	0.2	0.4	0.6	0.4
10	0.5	0.6	0.3	0.3	0.1	0.1	0.0	0.0	0.3	0.4	0.7	0.6	0.6	0.7	0.9	0.8	0.8	0.4	0.2	0.7	0.5	0.7	0.4	0.5	0.5
11	0.5	0.6	0.5	0.5	0.3	0.3	0.2	0.4	0.3	0.2	0.2	0.3	0.4	0.4	0.1	0.2	-0.1	-0.1	0.0	-0.3	-0.1	-0.1	-0.1	-0.1	0.2
12	0.0	0.0	0.0	0.2	0.2	0.2	0.0	-0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.0	0.1	0.8	0.4	0.8	0.6	0.2	0.2	0.2
13	0.0	0.4	0.7	0.3	0.7	1.0	0.9	1.1	1.2	1.7	1.8	2.0	2.4	2.1	2.3	----	----	----	----	----	----	----	----	----	----
14	----	----	----	----	----	----	----	----	----	----	0.9	0.8	0.5	0.9	1.1	1.4	1.2	1.3	0.8	0.9	0.8	0.8	0.5	0.4	----
15	0.6	0.5	0.9	0.9	0.8	0.4	0.3	0.3	0.6	0.7	0.6	0.7	0.9	0.7	0.9	0.7	1.0	0.7	0.8	0.5	0.5	0.5	0.5	0.2	0.6
16	0.0	-0.1	0.0	0.1	0.1	0.2	0.2	0.2	0.6	0.7	0.8	0.8	0.7	1.0	0.8	0.8	0.8	0.6	0.1	0.1	0.3	0.0	-0.1	-0.1	0.3
17	-0.1	0.0	0.0	-0.1	-0.1	0.0	-0.1	0.0	0.0	0.2	0.1	-0.2	0.0	0.1	0.2	-0.1	0.2	-0.2	0.0	0.0	-0.1	0.0	-0.1	0.1	0.0
18	0.1	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.5	0.4	0.7	0.9	1.2	0.9	0.5	1.0	0.6	0.5	0.4	0.4	0.8	0.6	0.5	0.5	0.5
19	0.8	0.6	0.3	0.4	0.5	0.2	0.3	0.1	0.0	0.1	0.2	0.2	0.2	0.4	0.3	-0.2	-0.4	-0.3	-0.1	-0.2	-0.4	-0.4	-0.6	-0.6	0.0
20	-0.7	-0.8	-0.5	-0.6	-0.9	-0.7	-0.4	-0.5	-0.3	-0.4	-0.6	-0.5	-0.3	-0.3	0.0	-0.1	-0.1	-0.1	-0.2	-0.3	-0.6	-0.5	0.0	0.1	-0.4
21	-0.1	0.0	0.1	0.1	0.1	0.6	0.3	0.3	0.4	0.6	0.9	0.8	0.6	0.6	0.5	0.5	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.3
22	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	0.2	0.1	0.1	0.5	1.0	1.7	2.0	1.5	1.3	1.2	1.0	1.1	1.5	1.7	0.6
23	1.1	0.6	1.3	1.3	1.2	0.9	0.8	1.0	1.2	0.9	0.8	0.8	0.8	1.0	1.1	0.7	0.7	0.5	0.5	0.6	0.5	0.5	0.3	0.4	0.8
24	0.4	0.3	0.5	0.5	0.6	0.3	0.5	0.3	0.4	0.4	0.5	0.4	0.6	0.8	0.4	0.5	0.6	0.4	0.2	0.1	0.3	0.1	0.0	0.0	0.4
25	0.0	0.0	0.0	0.0	-0.1	0.1	-0.1	-0.2	-0.2	-0.1	0.1	0.7	0.4	0.3	0.8	0.7	0.6	0.5	0.7	1.0	1.3	1.2	1.3	0.6	0.4
26	0.3	0.3	0.0	0.2	0.1	0.2	0.0	0.2	0.1	0.1	0.1	0.6	0.2	0.0	0.0	-0.1	-0.2	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1
27	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.1	0.2	0.5	0.3	0.1	0.5	0.4	1.3	1.1	0.6	0.3	0.6	0.4	0.0	0.2
28	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.5	0.4	0.8	0.6	0.8	0.7	0.3	0.0	0.0	0.4	0.5	0.2	0.4	0.3
AVG	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
HOURS	27	27	27	27	27	27	27	27	27	27	28	28	28	28	28	27	27	27	27	27	27	27	27	27	653

TOTAL HOURS	= 672	TOTAL AVERAGE	= 0.3
NUMBER OF GOOD HOURS	= 653	HIGHEST HOURLY VALUE	= 2.4
NUMBER OF MISSING HOURS	= 19	2nd HIGH HOURLY VALUE	= 2.3
DATA CAPTURE (PERCENT)	= 97.2	MINIMUM REPORTED VALUE	= -0.9
STANDARD DEVIATION	= 0.4		

NOTE: MISSING VALUE INDICATOR IS----

DATA VALIDATED BY
ENSR

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

DATA FOR FEB 2007
RUN DATE:03/14/07

LOCATION:SOUTHEAST FENCELINE SW (%FR)

HOURS(EST)																								
HR-BEG	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HR-END	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
DAY																								AVG
1	0.7	0.9	0.8	1.1	1.1	1.1	1.5	1.1	1.7	2.2	2.3	2.0	1.8	1.1	0.9	0.9	0.4	0.4	0.2	0.5	0.9	0.7	0.5	0.4	1.0
2	0.2	0.3	0.1	0.4	0.4	0.3	0.4	0.5	0.4	0.5	0.2	0.3	0.6	0.7	0.9	0.8	1.1	0.8	0.5	0.6	0.5	0.9	1.3	1.5	0.6
3	1.0	1.1	0.8	0.6	1.1	1.4	1.1	1.0	1.2	1.3	1.2	1.4	1.7	1.5	1.5	1.6	1.4	0.9	1.0	1.3	1.1	0.8	0.9	0.7	1.1
4	0.7	0.3	0.8	0.9	0.8	0.9	0.8	0.4	0.8	0.8	0.4	0.5	0.4	0.6	0.8	0.9	0.9	0.6	1.0	1.4	1.4	1.9	2.0	1.8	0.9
5	1.4	1.3	1.3	1.4	1.5	1.3	1.4	1.4	1.6	1.9	2.0	2.2	2.0	2.0	1.9	1.7	1.7	1.5	1.2	1.1	1.2	1.3	1.0	1.2	1.5
6	1.1	1.3	1.4	1.3	1.2	1.1	1.0	0.9	1.3	1.6	1.6	1.7	1.7	1.7	1.5	1.4	1.2	1.1	0.8	0.8	0.7	1.1	1.1	1.0	1.2
7	0.6	0.7	0.5	0.5	0.5	0.8	1.0	0.9	1.1	1.6	1.5	1.6	1.6	1.6	1.5	1.6	1.5	1.3	0.6	0.7	1.1	1.3	1.1	1.0	1.1
8	0.9	0.7	0.5	0.8	0.4	0.4	0.3	0.9	1.3	1.5	2.0	2.2	2.0	2.0	1.6	1.6	1.6	1.1	0.7	0.5	0.3	0.2	0.3	0.3	1.0
9	0.6	0.5	0.5	0.5	1.7	1.2	1.5	1.5	1.4	1.5	1.5	1.6	1.6	1.7	1.5	1.4	1.3	1.1	0.8	0.7	0.9	0.7	1.1	1.1	1.2
10	0.9	0.9	0.6	0.6	0.6	0.4	0.2	0.3	1.2	1.6	1.5	1.6	1.6	1.6	1.6	1.5	1.4	1.1	0.8	1.5	1.3	1.3	0.8	0.9	1.1
11	0.7	0.8	1.0	0.7	0.6	0.4	0.4	0.5	0.7	0.7	0.7	0.9	1.6	1.4	1.6	1.2	1.2	0.9	0.5	0.5	0.5	0.3	0.3	0.3	0.8
12	0.3	0.2	0.4	0.4	0.5	0.3	0.2	0.7	0.9	0.3	0.5	0.5	0.6	0.7	0.6	0.5	0.5	0.4	0.6	0.4	0.4	0.4	0.3	0.3	0.4
13	0.2	0.4	0.4	0.3	0.3	0.3	0.6	0.6	0.6	1.0	0.9	1.1	1.1	1.1	1.2	----	----	----	----	----	----	----	----	----	----
14	----	----	----	----	----	----	----	----	----	----	1.6	1.6	1.5	2.1	2.0	2.2	2.3	2.6	2.1	2.1	1.8	1.9	1.7	1.3	----
15	1.2	1.3	1.7	1.7	1.8	1.6	1.2	1.4	1.7	1.7	1.6	1.7	1.9	1.8	1.8	1.7	1.9	1.6	1.4	1.4	1.2	0.9	1.0	0.8	1.5
16	0.7	0.5	0.5	0.6	0.6	1.1	1.3	1.0	1.5	1.8	1.7	1.9	1.8	1.8	1.9	1.8	1.5	1.3	0.7	0.8	0.9	0.4	0.3	0.2	1.1
17	0.2	0.1	0.1	0.4	0.3	0.1	0.4	0.4	0.5	1.0	0.9	1.1	1.0	0.6	0.8	0.7	0.5	0.5	0.1	0.1	0.5	1.1	0.4	0.4	0.5
18	0.4	0.1	0.1	0.2	0.3	0.7	0.9	1.6	1.3	1.5	1.6	1.8	2.0	2.1	1.7	1.9	1.5	1.4	1.6	1.1	1.8	1.8	1.5	1.7	1.3
19	1.8	2.3	1.8	1.6	1.5	0.9	0.8	0.7	0.7	0.9	1.2	1.4	1.5	1.5	1.2	1.4	1.2	0.9	0.5	0.7	1.2	1.1	1.7	1.6	1.2
20	2.1	1.9	2.3	2.0	2.1	2.2	2.0	2.0	1.9	1.9	1.7	1.2	0.9	0.8	0.4	0.5	0.4	0.4	0.3	0.9	1.1	1.1	0.4	0.6	1.3
21	0.2	0.3	0.3	0.4	0.4	0.9	0.6	0.9	0.7	1.1	0.6	0.6	0.9	1.1	1.0	1.2	0.6	0.5	0.4	0.5	0.2	0.2	0.2	0.1	0.6
22	0.2	0.1	0.3	0.1	0.2	0.2	0.2	0.4	0.4	0.7	0.7	1.3	1.5	1.3	2.2	2.6	2.8	2.5	2.1	2.1	2.1	1.9	2.4	2.8	1.3
23	2.6	1.6	2.5	2.6	2.3	2.4	2.2	2.5	2.5	2.5	2.3	2.3	2.4	2.4	2.1	2.0	2.2	1.9	1.7	1.4	1.4	1.4	1.1	1.2	2.0
24	1.1	1.0	1.2	1.3	1.6	1.5	1.3	1.2	1.4	1.6	1.5	1.3	1.5	1.3	1.3	1.3	1.1	0.8	0.6	0.4	0.3	0.3	0.2	0.1	1.0
25	0.1	0.2	0.2	0.4	0.5	0.3	0.7	0.7	0.7	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.6	0.5	0.6	0.5
26	0.6	0.7	0.5	0.4	0.4	0.4	0.3	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.7	0.6	1.0	1.2	0.8	0.2	0.1	0.1	0.1	0.1	0.4
27	0.4	0.4	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.3	0.5	1.4	1.5	0.8	0.6	1.1	1.0	1.4	1.3	1.1	0.8	1.0	0.8	0.3	0.6
28	0.7	0.9	0.4	0.3	0.3	0.4	0.3	0.4	0.9	1.2	1.1	0.9	0.6	1.0	0.8	0.6	0.7	0.5	0.2	0.1	0.6	0.4	0.4	0.5	0.6
AVG	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.1	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.2	1.1	0.8	0.9	0.9	0.9	0.9	0.8	1.0
HOURS	27	27	27	27	27	27	27	27	27	27	28	28	28	28	28	27	27	27	27	27	27	27	27	27	653

TOTAL HOURS	= 672	TOTAL AVERAGE	= 1.0
NUMBER OF GOOD HOURS	= 653	HIGHEST HOURLY VALUE	= 2.8
NUMBER OF MISSING HOURS	= 19	2nd HIGH HOURLY VALUE	= 2.8
DATA CAPTURE (PERCENT)	= 97.2	MINIMUM REPORTED VALUE	= 0.1
STANDARD DEVIATION	= 0.6		

NOTE: MISSING VALUE INDICATOR IS----

****
* DATA VALIDATED BY *
* ENSR *
****

ENSR

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:SOUTHEAST FENCELINE RTMP (DEGF)

DATA FOR FEB 2007
RUN DATE:03/14/07

DAY	HR-BEG00 HR-END01	01 02	02 03	03 04	04 05	05 06	06 07	07 08	08 09	09 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	18 19	19 20	20 21	21 22	22 23	23 24	AVG
		HOURS(EST)																							
1		65.4	65.5	65.3	65.3	65.4	65.4	65.5	65.8	65.7	66.0	65.8	65.9	65.9	66.1	66.4	66.4	66.7	66.8	66.7	66.7	66.4	66.7	66.3	66.4	66.0
2		66.3	66.1	66.4	66.2	66.3	66.1	66.3	66.1	66.4	66.6	67.3	67.6	67.9	67.8	67.7	67.6	67.2	66.8	66.7	66.8	66.7	66.6	66.5	66.4	66.8
3		65.8	65.8	65.4	65.4	65.3	65.0	64.7	64.5	64.5	64.8	65.8	66.7	67.8	68.5	69.7	70.1	69.9	68.4	66.8	66.4	65.9	65.8	65.7	65.7	66.4
4		65.2	65.4	65.1	64.9	64.8	64.6	64.3	64.2	64.4	64.8	66.0	67.7	69.4	70.3	70.1	69.3	68.0	67.3	66.4	65.7	65.1	64.8	64.4	64.3	66.1
5		64.0	63.7	63.5	63.2	63.2	62.9	62.9	62.6	62.8	63.0	63.3	63.8	64.5	65.5	66.2	66.4	66.3	65.1	64.0	63.7	63.3	63.1	62.9	62.8	63.9
6		62.4	62.2	62.1	62.1	62.0	61.7	61.7	61.5	62.0	62.2	63.0	61.5	63.7	65.1	66.6	67.0	66.7	65.5	64.8	64.3	64.2	64.3	64.1	64.2	63.5
7		64.2	64.0	64.0	63.9	63.8	63.8	63.8	63.5	63.4	63.9	64.3	65.0	66.0	66.7	68.1	68.5	68.6	66.7	65.3	64.6	64.3	63.9	63.5	63.2	64.9
8		63.1	63.0	63.2	63.1	63.1	63.0	62.9	63.1	63.1	63.5	64.3	65.1	66.2	67.3	68.5	68.9	68.5	66.7	65.6	64.6	64.3	64.1	63.8	63.9	64.7
9		63.6	63.3	63.2	63.1	63.1	63.1	63.3	63.2	63.3	63.5	64.2	65.2	67.0	68.4	70.2	71.1	70.9	67.3	66.4	65.9	65.3	65.4	65.0	65.3	65.4
10		64.7	64.8	64.2	64.4	64.3	63.9	64.1	64.1	64.3	64.7	65.4	66.7	67.8	69.6	71.1	72.0	72.1	69.9	67.4	66.2	65.3	65.0	64.5	64.8	66.3
11		64.1	64.3	64.2	63.9	64.0	63.9	63.7	63.8	63.9	64.5	65.2	66.7	68.0	68.9	70.1	70.6	69.5	67.6	66.5	66.4	65.8	65.7	65.1	65.3	65.9
12		64.9	64.9	64.8	64.8	64.6	65.0	64.8	65.1	65.0	65.9	66.9	68.5	60.7	67.6	69.8	69.6	68.9	63.2	63.3	66.4	66.9	66.8	66.7	66.7	65.9
13		66.1	65.9	65.9	65.9	65.8	66.0	65.9	65.6	65.8	65.2	65.3	65.0	64.8	64.8	64.9	64.6	64.6	64.7	64.6	64.4	64.2	64.1	64.0	64.1	65.1
14		63.9	63.8	63.8	63.7	64.0	64.1	64.2	64.4	64.9	64.9	65.2	64.5	64.8	60.9	64.0	64.5	64.7	64.5	64.0	64.0	63.8	63.5	63.4	63.3	64.0
15		63.0	62.9	62.6	62.6	62.5	62.5	62.3	62.3	62.5	63.2	63.9	64.0	64.0	64.6	65.0	65.8	65.6	65.0	64.0	63.4	63.0	62.8	62.5	62.4	63.4
16		62.3	62.0	62.0	61.7	61.9	61.9	61.9	62.0	62.2	62.5	63.1	64.1	64.9	65.6	66.0	66.7	66.8	65.9	64.8	64.2	63.9	63.5	63.4	63.5	63.6
17		63.1	63.1	62.9	62.7	62.9	62.5	62.5	62.5	62.6	63.2	64.0	65.0	65.9	66.7	67.3	67.3	66.5	66.1	65.7	65.5	65.2	65.0	64.8	65.2	64.5
18		64.8	64.6	64.5	64.4	64.4	64.3	64.5	64.6	64.6	64.8	65.9	66.2	66.7	67.6	67.9	67.6	67.0	65.9	64.9	64.3	64.0	63.7	63.3	63.5	65.2
19		63.0	63.1	62.7	62.3	62.2	62.2	62.2	62.2	62.3	63.1	63.8	64.9	66.0	67.1	67.9	69.3	68.2	66.9	66.1	65.2	65.3	64.9	64.9	65.3	64.6
20		65.2	65.3	65.6	65.7	65.8	66.0	66.1	66.0	66.3	66.4	66.7	67.2	66.7	67.9	68.0	68.4	69.3	69.6	69.0	68.5	68.2	67.1	66.8	66.7	67.0
21		66.9	66.7	66.5	66.2	66.2	65.8	65.8	65.8	65.8	67.4	69.1	68.5	68.6	69.8	70.3	70.4	69.3	69.1	70.4	69.5	68.0	66.8	67.0	66.9	67.8
22		66.7	66.7	66.6	66.6	66.5	66.5	66.3	66.3	66.0	67.1	68.5	69.3	69.0	68.4	69.3	68.7	69.4	68.7	68.6	67.4	66.8	66.3	66.3	66.2	67.4
23		65.8	65.5	65.4	65.1	65.1	64.8	64.6	64.4	64.6	65.0	66.0	67.0	68.2	69.7	70.3	69.7	69.8	70.3	67.2	66.1	65.2	65.0	64.6	64.6	66.4
24		64.2	64.0	63.8	63.4	63.5	63.4	63.1	63.1	63.4	64.1	65.4	67.0	68.9	69.5	69.3	68.8	68.6	69.6	67.9	67.1	66.4	65.9	65.8	66.0	65.9
25		66.0	65.9	65.8	65.8	65.8	65.5	65.0	64.9	64.8	64.8	64.7	64.6	64.4	64.5	64.4	64.5	64.5	64.3	64.5	64.4	64.2	64.2	64.2	64.5	64.8
26		64.5	64.3	64.7	64.6	64.8	64.5	64.6	64.7	64.7	65.1	65.5	66.5	67.7	68.5	68.4	68.3	67.8	67.6	66.9	66.6	66.2	66.3	66.1	66.1	66.0
27		66.2	65.8	65.6	65.6	65.3	65.0	64.8	64.8	65.1	65.9	67.4	69.3	68.4	69.4	69.2	69.3	68.7	68.8	68.4	67.6	67.0	66.7	66.2	66.3	66.9
28		65.8	65.4	65.2	65.0	64.9	64.8	64.8	64.5	65.0	66.0	67.1	68.9	69.2	68.5	69.0	69.9	69.2	70.0	70.3	69.1	67.4	66.7	66.6	66.0	67.0
AVG		64.7	64.6	64.5	64.3	64.3	64.2	64.2	64.1	64.3	64.7	65.5	66.2	66.5	67.3	68.0	68.3	68.0	67.1	66.3	65.9	65.4	65.2	64.9	65.0	65.6
HOURS		28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	672

TOTAL HOURS	= 672	TOTAL AVERAGE	= 65.6
NUMBER OF GOOD HOURS	= 672	HIGHEST HOURLY VALUE	= 72.1
NUMBER OF MISSING HOURS	= 0	2nd HIGH HOURLY VALUE	= 72.0
DATA CAPTURE (PERCENT)	= 100.0	MINIMUM REPORTED VALUE	= 60.7
STANDARD DEVIATION	= 2.1		

NOTE: MISSING VALUE INDICATOR IS----

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* DATA VALIDATED BY *
* ENSR *
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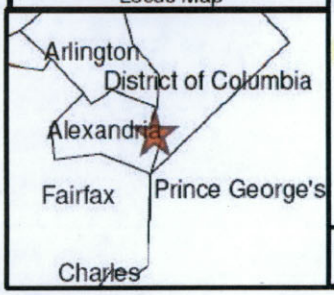
Appendix F

Satellite View of the Ambient Air Quality and Meteorological Network

Locus Map



Legend

- Modeled Impact Areas
- SO_2 Monitoring Sites

Mirant Potomac River Generating Station

SO_2 and Meteorological Monitor Sites Around Potomac River Generating Station

MIRANT

ENSR INTERNATIONAL

Scale 0 0.25 0.5 1 Kilometers

U.S. Locations

AK, Anchorage
(907) 561-5700

AL, Birmingham
(205) 980-0054

AL, Florence
(256) 767-1210

CA, Alameda
(510) 748-6700

CA, Camarillo
(805) 388-3775

CA, Orange
(714) 973-9740

CA, Sacramento
(916) 362-7100

CO, Ft. Collins
(970) 493-8878

CO, Ft. Collins Tox Lab.
(970) 416-0916

CT, Stamford
(203) 323-6620

CT, Willington
(860) 429-5323

FL, St. Petersburg
(727) 577-5430

FL, Tallahassee
(850) 385-5006

GA, Norcross
(770) 381-1836

IL, Chicago
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IL, Collinsville
(618) 344-1545

LA, Baton Rouge
(225) 751-3012

MA, Harvard Air Lab.
(978) 772-2345

MA, Sagamore Beach
(508) 888-3900

MA, Westford
(978) 589-3000

MA, Woods Hole
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ME, Portland
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NC, Raleigh
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NH, Belmont
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(732) 981-0200

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(585) 381-2210

NY, Syracuse
(315) 432-0506

NY, Syracuse Air Lab.
(315) 432-0506

OH, Cincinnati
(513) 772-7800

PA, Langhorne
(215) 757-4900

PA, Pittsburgh
(412) 261-2910

RI, Providence
(401) 274-5685

SC, Columbia
(803) 216-0003

TX, Dallas
(972) 509-2250

TX, Houston
(713) 520-9900

TX, San Antonio
(210) 296-2125

VA, Chesapeake
(757) 312-0063

VA, Glen Allen
(804) 290-7920

WA, Redmond
(425) 881-7700

WI, Milwaukee
(262) 523-2040

Headquarters
MA, Westford
(978) 589-3000

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