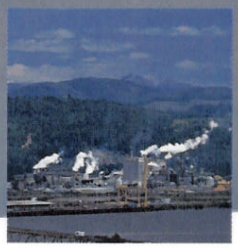
Prepared for:
Mirant Potomac River, LLC
Potomac Generating Station
Alexandria, VA





Mirant Potomac River, LLC
Monthly Model Evaluation Study Report
December 2006

ENSR Corporation
January, 2007
Document No.: 10350-003-106-7

ENSR | AECOM

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January 19, 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 December 2006.

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 December 2006;
- 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 December 2006; 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 December 2006.
- 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.

It is important to note that, to date, all of the real-time monitoring has demonstrated continued compliance with NAAQS standards in the vicinity of the Potomac River Generating Station. Accordingly, even on the days during which the follow-up model showed potential NAAQS exceedances at the certain monitor sites, the actual monitors demonstrated that there was no NAAQS exceedance as depicted in Figures D-1 and D-2 of the report.

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:
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Prepared By

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Reviewed By

ENSR Corporation
January, 2007
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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: December 2006 Monthly ACO Report

This December 2006 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:** 1.10.07

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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 December 2006.

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 December 1 and continuing through December 20, 2006, 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 are 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 December 1 - 20 period, PJM direction took precedence over daily predictive modeling guidelines when determining the number of units to run each day. Nevertheless, Mirant ran both daily predictive and follow-up modeling throughout the month of December.

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 $\mu g/m^3$. The 3-hour National Ambient Air Quality Standard (NAAQS) for SO_2 is 1,300 $\mu g/m^3$. Mirant assumes that there is an existing background concentration of 239 $\mu g/m^3$, 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 $\mu g/m^3$, allowing for a 51 $\mu g/m^3$ background concentration. The 24-hour NAAQS for SO_2 is 365 $\mu g/m^3$. On December 4 and December 8, 2006, a complying 24-hour SO2 target could not be found, as the number of units PJM required to run was greater than predictive modeling would have allowed.

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 December 2006, modeling resulted in 3-hour SO_2 limits ranging from 0.32 lb/MMBtu to 3.35 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 December 2006 when all transmission lines were in service. During the line outage period, some units exceeded the 24-hour SO_2 target due to DOE Order requirements. No 24-hour SO_2 NAAQS exceedances were observed by the SO_2 monitoring network at any time in December however.

3-Hour Average SO_2 Emission Rate

Table B-2 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 December 2006 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 December 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 December 2006 when all transmission lines were in service. During the line outage period, some units exceeded the SO_2 lb/day target due to DOE Order requirements. No NAAQS exceedances were observed by the SO_2 monitoring network at any time in December however.

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 December 1 – 31, 2006. 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 were four days in which follow-up modeling showed a potential 3-hour NAAQS exceedance (Dec. 6, 7, 8 and 17). Follow-up modeling also showed a potential 24-hour NAAQS exceedance on these days plus a potential 24-hour exceedance on December 4.

The exceedances on December 6 and 17 were predicted on the roof of Marina Towers. Winds on December 6 were from the south at 10-18 mph and on the 17th were from the south at 6-7 mph. Maximum observed SO_2 concentrations on Marina Towers were generally very low except for a 3-hour period ending 0600 local time on December 6. During one hour of that period (hour ending 0600) there was a phenomenon known as inversion breakup. Prior to that hour winds were from the north. During that hour, winds shifted and became southerly, transporting the power plant SO_2 emissions toward Marina Towers. The ambient temperature increased rapidly as warmer air, perhaps from the Potomac River, overspread the area. The warmer air eroded the nighttime inversion. This unstable, warmer air mixed down some of the SO_2 emitted from the power plant and resulted in a 1-hour SO_2 concentration at the Central Monitor of 1,254 ug/m^3. An inversion breakup is a transient situation that generally lasts only an hour or so. This was the case during the early morning hours on December 6 as the 3-hour average was 459 ug/m^3.

The 3-hour and 24-hour exceedances on December 4, 7 and 8 were predicted at the SE monitor. Winds on December 4, 7 and 8 were from the northwest and were strong, generally between 15 – 25 mph. Observed ambient SO2 concentrations for the two days on which follow-up modeling predicted potential NAAQS exceedances were never greater than 65% of the NAAQS. The maximum observed SO_2 concentrations from the monitors on days that follow-up modeling predicted exceedances were as follows:

Date	3-Hour Max. µg/m^3	24-Hour Avg. µg/m^3
December 4	NA	196.3
December 6	458.9	87.2
December 7	568.1	238.7
December 8	484.3	182.2
December 17	27.1	17.4
NAAQS	***1,300***	***365***

A review of Table D-1 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 December. 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. 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. The precision statistics definition and summary have been reported in Appendix G for the third and fourth quarter of 2006 in order to comply with the quality assurance requirements of 40 CFR, Part 58, Appendix B (**Quality Assurance Requirements for Prevention of Significant Deterioration – Air Monitoring**) as well as the EPA-approved AES Monitoring and QA Plans.

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. 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

December 2006

Site Name	Parameter	% Data Capture*	Total % Data Loss	Reason for Significant Periods of Data Loss**	Affected Dates
Marina Towers Central Probe	SO_2	99.5	0.5		
Marina Towers South Probe	SO_2	99.5	0.5		
Southeast Fence Line	SO_2	99.5	0.5		
Northeast Fence Line	SO_2	99.5	0.5		
Southwest Site/Holiday Inn	SO_2	99.3	0.7		
North Site/Daingerfield Park	SO_2	99.5	0.5		
Meteorological Tower Measurements Reported as of December 1, 2006	Wind Speed	99.9	0.1		
	Wind Direction	99.9	0.1		
	Vertical Wind	99.9	0.1		
	Sigma Theta	99.9	0.1		
	Sigma W	99.9	0.1		
	Temperature	99.9	0.1		
	Temperature Difference	99.9	0.1		

* 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
December 1, 2006	B3 (Units 1, 3, 4 & 5 @ 24hrs max)	0.30	0.33	873	289	53
December 2, 2006	B3 (Units 1, 3, 4 & 5 @ 24hrs max)	0.60	1.05	541	160	16
December 3, 2006	G3 (Units 1-2-3-4-5 @ 24 max)	0.60	0.96	596	75	67
December 4, 2006	G3 (Units 1-2-3-4-5 @ 24 max)	0.24	0.32	705	340	79
December 5, 2006	G3 (Units 1-2-3-4-5 @ 24 max)	0.60	0.58	984	260	31
December 6, 2006	G3 (Units 1-2-3-4-5 @ 24 max)	0.30	0.34	827	307	59
December 7, 2006	G3 (Units 1-2-3-4-5 @ 24 max)	0.40	0.58	651	294	42
December 8, 2006	G3 (Units 1-2-3-4-5 @ 24 max)	0.24	0.32	717	362	84
December 9, 2006	E3 (Units 1-2-4-5 @ 24 max)	0.55	0.95	552	297	31
December 10, 2006	E3 (Units 1-2-4-5 @ 24 max)	0.50	0.99	481	285	33
December 11, 2006	E3 (Units 1-2-4-5 @ 24 max)	0.60	1.62	351	44	62
December 12, 2006	E3 (Units 1-2-4-5 @ 24 max)	0.60	0.73	786	102	29
December 13, 2006	E3 (Units 1-2-4-5 @ 24 max)	0.60	0.89	637	113	17
December 14, 2006	G3 (Units 1-2-3-4-5 @ 24 max)	0.60	0.63	905	167	32
December 15, 2006	G3 (Units 1-2-3-4-5 @ 24 max)	0.40	0.67	569	304	44
December 16, 2006	G3 (Units 1-2-3-4-5 @ 24 max)	0.60	0.60	945	267	35
December 17, 2006	G3 (Units 1-2-3-4-5 @ 24 max)	0.50	0.79	601	298	38
December 18, 2006	G3 (Units 1-2-3-4-5 @ 24 max)	0.45	0.67	638	301	38
December 19, 2006	G3 (Units 1-2-3-4-5 @ 24 max)	0.60	1.32	431	91	42
December 20, 2006	G3 (Units 1-2-3-4-5 @ 24 max)	0.60	0.82	693	88	22
December 21, 2006	G3 (Units 1-2-3-4-5 @ 24 max)	0.60	1.69	337	134	34
December 22, 2006	Q4 (Units 3-4 @ 8 max 16 min)	0.40	0.71	534	207	N/A
December 23, 2006	Q2 (Units 3-4 @ 24 max)	0.60	1.09	521	116	N/A
December 24, 2006	32 (C3 @ 24hrs max)	0.60	3.35	170	61	N/A
December 25, 2006	D2(1&2@ 8,8,8,)(3&5@24)	0.50	0.85	558	183	44
December 26, 2006	H3 (Units 1,4,& 5 @ 24 Hrs. Max)	0.60	1.12	508	178	N/A
December 27, 2006	A4 (UNITS 3,4,5 24 MAX)	0.60	0.78	731	185	N/A
December 28, 2006	G-3(units 1,2,3,4,&5 24max)	0.60	1.18	482	84	31
December 29, 2006	G(Units 1-2 @ 8/8/8, 3-4-5 @ 12/12)	0.60	0.96	596	174	43
December 30, 2006	G3 (Units 1-2-3-4-5 @ 24 max)	0.60	0.91	628	101	67
December 31, 2006	42 (C4 @ 24hrs max)	0.60	0.92	618	88	N/A

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
December 1, 2006	0.26	0.00	0.31	0.49	0.41	0.30
December 2, 2006	0.47	0.29	0.53	0.65	0.91	0.60
December 3, 2006	0.49	0.55	0.53	0.59	1.05	0.60
December 4, 2006	0.38	0.39	0.31	0.47	0.90	0.24
December 5, 2006	0.41	0.38	0.48	0.56	0.93	0.60
December 6, 2006	0.29	0.28	0.30	0.39	0.83	0.30
December 7, 2006	0.37	0.33	0.53	0.35	0.94	0.40
December 8, 2006	0.42	0.39	0.30	0.53	0.96	0.24
December 9, 2006	0.52	0.45	0.00	0.52	1.02	0.55
December 10, 2006	0.61	0.42	0.00	0.46	0.52	0.50
December 11, 2006	0.68	0.53	0.00	0.51	0.52	0.60
December 12, 2006	0.54	0.57	0.00	0.54	0.56	0.60
December 13, 2006	0.50	0.62	0.15	0.57	0.56	0.60
December 14, 2006	0.53	0.56	0.31	0.59	0.55	0.60
December 15, 2006	0.59	0.32	0.75	0.50	0.35	0.40
December 16, 2006	0.53	0.45	0.41	0.51	0.53	0.60
December 17, 2006	0.00	0.40	0.70	0.48	0.43	0.50
December 18, 2006	0.46	0.37	0.46	0.48	0.42	0.45
December 19, 2006	0.78	0.54	0.55	0.58	0.54	0.60
December 20, 2006	0.72	0.62	0.54	0.59	0.55	0.60
December 21, 2006	0.58	0.52	0.54	0.60	0.52	0.60
December 22, 2006	0.00	0.00	0.36	0.39	0.00	0.40
December 23, 2006	0.00	0.00	0.55	0.51	0.00	0.60
December 24, 2006	0.00	0.00	0.50	0.00	0.00	0.60
December 25, 2006	0.00	0.00	0.00	0.14	0.00	0.50
December 26, 2006	0.00	0.00	0.13	0.48	0.44	0.60
December 27, 2006	0.00	0.00	0.43	0.52	0.52	0.60
December 28, 2006	0.00	0.00	0.53	0.56	0.52	0.60
December 29, 2006	0.00	0.00	0.55	0.51	0.00	0.60
December 30, 2006	0.00	0.00	0.00	0.60	0.00	0.60
December 31, 2006	0.00	0.00	0.00	0.45	0.00	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)
December 1, 2006	0.28	0.00	0.38	0.79	0.65	0.33
December 2, 2006	0.50	0.53	0.63	0.85	1.04	1.05
December 3, 2006	0.54	0.60	0.57	0.69	1.16	0.96
December 4, 2006	0.44	0.55	0.39	0.54	1.07	0.32
December 5, 2006	0.61	0.58	0.59	0.63	1.06	0.58
December 6, 2006	0.39	0.39	0.33	0.53	1.07	0.34
December 7, 2006	0.40	0.41	0.87	0.43	1.06	0.58
December 8, 2006	0.51	0.53	0.39	0.72	1.14	0.32
December 9, 2006	0.67	0.65	0.00	0.72	1.11	0.95
December 10, 2006	0.80	0.48	0.00	0.50	0.92	0.99
December 11, 2006	1.00	0.57	0.00	0.60	0.61	1.62
December 12, 2006	0.58	0.63	0.00	0.57	0.58	0.73
December 13, 2006	0.54	0.96	0.21	0.62	0.58	0.89
December 14, 2006	0.61	0.60	0.43	0.65	0.59	0.63
December 15, 2006	0.82	0.40	1.06	0.62	0.41	0.67
December 16, 2006	0.58	0.51	0.55	0.56	0.57	0.60
December 17, 2006	0.00	0.51	1.02	0.58	0.49	0.79
December 18, 2006	0.55	0.46	0.62	0.55	0.43	0.67
December 19, 2006	1.07	0.68	0.56	0.66	0.64	1.32
December 20, 2006	1.01	1.01	0.55	0.68	0.55	0.82
December 21, 2006	0.79	0.59	0.55	0.66	0.56	1.69
December 22, 2006	0.00	0.00	0.39	0.46	0.00	0.71
December 23, 2006	0.00	0.00	0.57	0.58	0.00	1.09
December 24, 2006	0.00	0.00	0.55	0.00	0.00	3.35
December 25, 2006	0.00	0.00	0.36	0.14	0.00	0.85
December 26, 2006	0.00	0.00	0.13	0.71	0.56	1.12
December 27, 2006	0.00	0.00	0.57	0.58	0.55	0.78
December 28, 2006	0.00	0.00	0.63	0.69	0.52	1.18
December 29, 2006	0.00	0.00	0.62	0.56	0.00	0.96
December 30, 2006	0.00	0.00	0.70	0.60	0.00	0.91
December 31, 2006	0.00	0.00	0.00	0.65	0.00	0.92

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 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	24 Hr Total lb/day	SO2 Target lb/day
December 1, 2006	1,265	8,010	-	-	3,140	7,523	4,808	7,523	4,062	7,523	13,275	30,578
December 2, 2006	10,073	16,021	803	-	9,095	15,045	10,971	15,045	16,707	15,045	47,649	61,157
December 3, 2006	11,461	16,021	5,637	16,021	9,501	15,045	11,361	15,045	12,029	15,045	49,989	77,178
December 4, 2006	8,795	6,408	8,985	6,408	5,743	6,018	8,992	6,018	15,642	6,018	48,157	30,871
December 5, 2006	8,264	16,021	8,418	16,021	8,918	15,045	11,117	15,045	16,698	15,045	53,415	77,178
December 6, 2006	5,795	8,010	6,058	8,010	5,802	7,523	6,935	7,523	10,156	7,523	34,746	38,589
December 7, 2006	5,147	10,680	4,672	10,680	10,286	10,030	6,104	10,030	12,323	10,030	38,532	51,452
December 8, 2006	8,691	6,408	8,522	6,408	2,885	6,018	9,664	6,018	17,332	6,018	47,094	30,871
December 9, 2006	8,772	14,686	8,231	14,686	-	-	10,147	13,792	20,023	13,792	47,173	56,954
December 10, 2006	9,723	13,351	7,166	13,351	-	-	8,181	12,538	8,849	12,538	33,919	51,777
December 11, 2006	13,639	16,021	10,535	16,021	-	-	11,069	15,045	10,191	15,045	45,434	62,132
December 12, 2006	11,686	16,021	12,929	16,021	-	-	11,000	15,045	10,644	15,045	46,259	62,132
December 13, 2006	10,104	16,021	13,449	16,021	138	-	11,207	15,045	10,308	15,045	45,206	62,132
December 14, 2006	9,605	16,021	11,492	16,021	3,868	15,045	10,668	15,045	8,890	15,045	44,523	77,178
December 15, 2006	8,478	10,680	5,933	10,680	14,007	10,030	8,095	10,030	5,532	10,030	42,045	51,452
December 16, 2006	6,995	16,021	5,494	16,021	7,360	15,045	6,772	15,045	7,293	15,045	33,914	77,178
December 17, 2006	-	13,351	6,276	13,351	14,078	12,538	6,478	12,538	6,048	12,538	32,880	64,315
December 18, 2006	5,565	12,016	7,006	12,016	8,405	11,284	7,842	11,284	6,495	11,284	35,313	57,883
December 19, 2006	13,518	16,021	11,415	16,021	8,289	15,045	8,698	15,045	9,685	15,045	51,605	77,178
December 20, 2006	11,625	16,021	14,304	16,021	8,921	15,045	9,344	15,045	9,763	15,045	53,957	77,178
December 21, 2006	6,995	16,021	8,808	16,021	7,510	15,045	7,980	15,045	6,626	15,045	37,919	77,178
December 22, 2006	-	-	-	-	4,622	5,908	4,566	5,908	84	-	9,272	11,815
December 23, 2006	-	-	-	-	5,144	15,045	5,624	15,045	-	-	10,768	30,091
December 24, 2006	-	-	-	-	5,376	15,045	117	-	-	-	5,493	15,045
December 25, 2006	-	6,413	-	6,413	262	12,538	21	-	-	12,538	283	37,901
December 26, 2006	-	16,021	-	-	17	-	4,983	15,045	3,702	15,045	8,702	46,111
December 27, 2006	-	-	-	-	4,753	15,045	6,021	15,045	5,858	15,045	16,632	45,136
December 28, 2006	-	16,021	-	16,021	6,335	15,045	8,323	15,045	557	15,045	15,215	77,178
December 29, 2006	-	7,695	-	7,695	5,719	10,408	6,271	10,408	-	10,408	11,990	46,613
December 30, 2006	-	16,021	-	16,021	504	15,045	576	15,045	-	15,045	1,080	77,178
December 31, 2006	-	-	-	-	-	-	3,282	15,045	-	-	3,282	15,045

Appendix C

Plant Operating Data for August (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 ($\mu g/m^3$)	
December 1, 2006	Units 1, 3, 4, 5	873	288	507	233	367.7	60.4	
December 2, 2006	Units 1, 3, 4, 5	541	160	636	189	205.7	79.2	
December 3, 2006	Units 1, 2, 3, 4, 5	596	75	665.0	115.2	74.2	45.2	
December 4, 2006	Units 1, 2, 3, 4, 5	704	**339**	891.1	**359.3**	470.7	196.3	Max Impact Location - Ground level fenceline, east-southeast of stack 1
December 5, 2006	Units 1, 2, 3, 4, 5	983	259	498.7	96.8	32.3	20.7	
December 6, 2006	Units 1, 2, 3, 4, 5	826	306	**1,314.9**	**815.1**	458.9	87.2	Max Impact Location - Roof of Marina Towers
December 7, 2006	Units 1, 2, 3, 4, 5	651	293	**1,090.3**	**457.1**	568.1	238.7	Max Impact Location - Ground level fenceline, east-southeast of stack 1
December 8, 2006	Units 1, 2, 3, 4, 5	717	361	**1,154**	**470**	484.3	182.2	Max Impact Location - Ground level fenceline, east-southeast of stack 1
December 9, 2006	Units 1, 2, 4, 5	552	296	256.2	82.0	19.2	16.5	
December 10, 2006	Units 1, 2, 4, 5	480	285	583.7	118.1	22.3	17.4	
December 11, 2006	Units 1, 2, 4, 5	350	44	210.8	59.4	63.7	33.7	
December 12, 2006	Units 1, 2, 4, 5	786	101	706.0	117.2	71.6	33.4	
December 13, 2006	Units 1, 2, 4, 5	636	112	501.1	161.1	47.1	12.3	
December 14, 2006	Units 1, 2, 3, 4, 5	904	166	664.6	265.6	22.3	9.5	
December 15, 2006	Units 1, 2, 3, 4, 5	568	304	806.2	224.7	31.9	11.7	
December 16, 2006	Units 1, 2, 3, 4, 5	945	266	226.8	98.2	61.6	26.9	
December 17, 2006	Units 2, 3, 4, 5	600	298	**1,200.8**	**387.6**	27.1	17.4	Max Impact Location - Roof of Marina Towers
December 18, 2006	Units 1, 2, 3, 4, 5	638	301	823.7	304.2	86.4	36.9	
December 19, 2006	Units 1, 2, 3, 4, 5	430	91	711.2	146.8	76.4	42.5	
December 20, 2006	Units 1, 2, 3, 4, 5	430	91	738.0	233.8	72.9	40.4	
December 21, 2006	Units 1, 2, 3, 4, 5	336	134	371.9	164.3	23.6	21.7	
December 22, 2006	Units 3, 4	534	207	152.9	47.5	35.4	21.5	
December 23, 2006	Units 3, 4	520	115	411.6	110.6	56.3	14.8	
December 24, 2006	Unit 3	169	60	175.0	65.6	46.3	16.6	
December 25, 2006	Units 3, 4	558	182	4.6	0.8	14.8	10.1	
December 26, 2006	Units 4, 5	508	177	229.8	51.1	142.8	37.3	
December 27, 2006	Units 3, 4, 5	731	184	405.0	142.6	90.8	40.7	
December 28, 2006	Units 3, 4	481	84	134.9	22.9	78.0	21.3	
December 29, 2006	Units 3, 4	595	174	264.6	139.6	37.6	23.1	
December 30, 2006	Units 3, 4	627	101	81.1	13.5	17.9	12.5	
December 31, 2006	Unit 4	617	87	44.3	6.3	33.2	18.3	

Figure D-1: December 2006 3 Hr SO2 Comparison

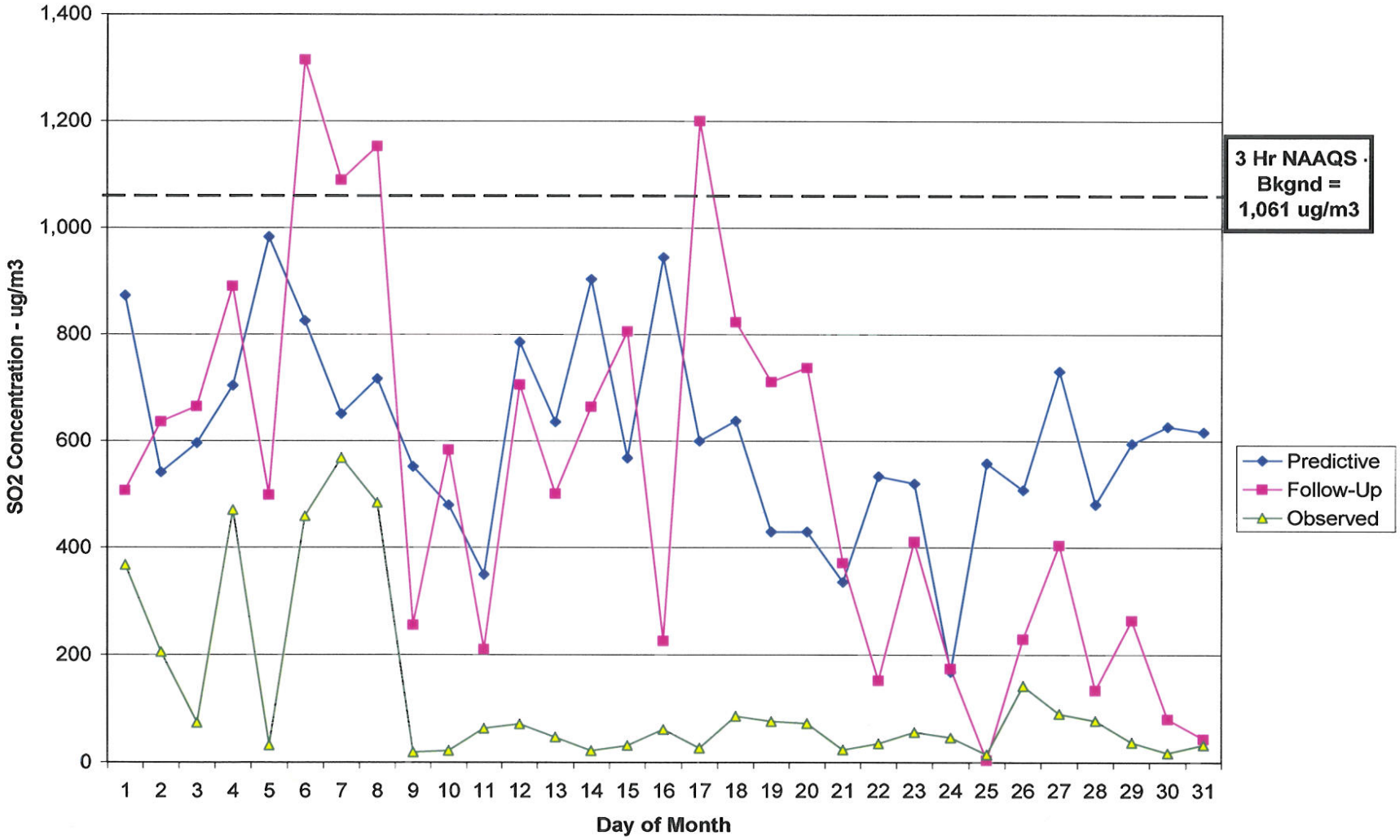
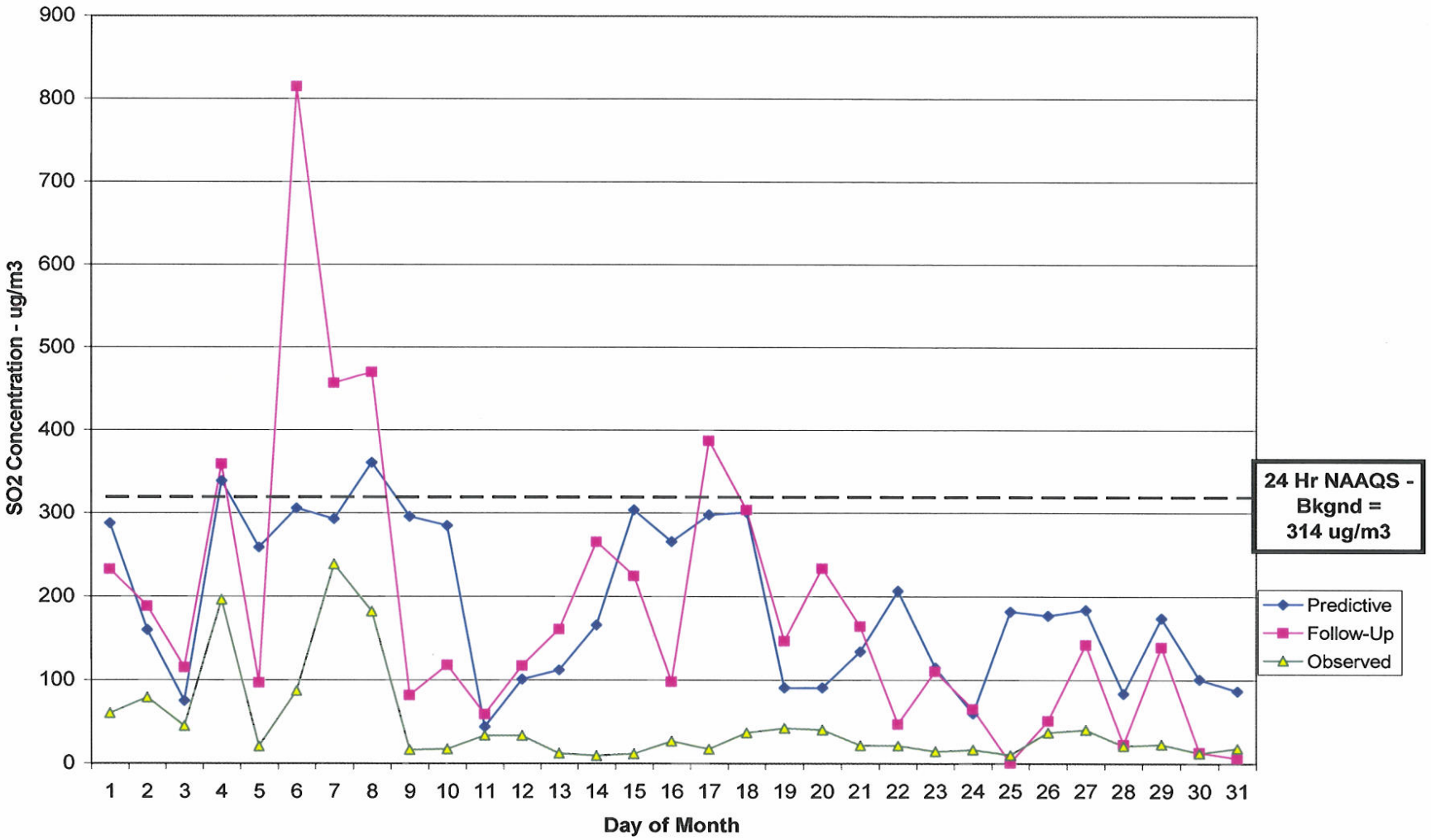


Figure D-2: December 2006 24 Hr SO2 Comparison



Appendix E

Monthly Summary Data Reports (on CD)

Monthly SO_2 and Meteorological Summary Reports

ENSR | AECOM

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:MARINA TOWERS SO2 CNTRL (ug/m3)

DATA FOR DEC 2006
RUN DATE:01/09/07

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	7	3	3	3	3	3	26	17	89	33	59	71	85	30	3	3	4	3	3	3	3	3	3	19
2	3	4	7	7	5	5	8	8	8	7	9	10	10	13	14	16	20	18	16	9	7	5	7	13	9
3	13	14	18	22	22	25	24	26	31	37	60	52	37	54	51	39	17	13	16	17	89	72	68	55	36
4	43	31	62	35	17	16	20	12	8	7	9	10	9	10	7	7	9	13	13	12	12	12	13	9	16
5	8	10	7	8	10	9	9	14	12	8	7	5	5	5	5	10	17	18	25	25	28	29	25	18	13
6	21	22	20	16	107	1254	236	59	26	18	13	12	10	38	60	34	54	18	21	17	12	9	8	7	87
7	8	7	7	8	10	13	16	16	17	16	17	8	8	8	4	4	4	9	13	9	9	12	7	4	10
8	4	4	8	16	12	13	13	8	4	7	7	7	7	5	7	7	10	13	14	17	17	18	20	10	10
9	7	5	7	8	8	8	9	8	8	7	7	7	7	16	10	7	5	8	12	16	7	7	7	12	8
10	9	8	9	8	8	10	9	9	9	7	9	13	9	5	9	12	16	12	7	5	5	7	7	9	9
11	9	7	8	8	10	8	12	12	21	18	18	33	31	45	42	26	35	71	77	56	45	41	38	30	29
12	24	22	25	24	24	26	35	34	39	38	30	26	26	28	50	30	17	14	8	13	18	17	16	182	32
13	84	46	12	8	4	4	3	3	4	5	5	8	10	12	12	10	12	9	8	7	5	7	7	5	12
14	5	5	4	5	5	5	7	7	3	3	3	18	13	8	7	7	17	21	14	7	3	4	3	3	7
15	3	3	7	7	7	8	9	9	12	9	8	24	9	8	7	5	7	7	7	5	5	5	7	12	8
16	12	9	8	14	13	9	7	7	8	12	13	13	12	10	12	13	13	13	13	21	14	10	9	7	11
17	9	9	7	25	17	16	20	28	20	16	12	10	14	10	8	12	9	8	8	13	9	7	8	9	13
18	10	14	14	13	12	12	13	13	13	13	10	8	13	4	5	7	8	9	16	13	10	20	12	16	12
19	22	34	45	35	24	12	8	9	7	7	5	4	7	28	17	25	25	25	30	39	33	30	26	25	22
20	25	25	24	29	26	29	22	24	24	30	33	52	59	35	37	33	33	31	55	83	60	26	16	13	34
21	12	10	12	14	17	18	17	16	16	13	14	12	13	13	----	----	14	14	14	14	16	14	12	16	14
22	16	14	16	34	25	21	25	28	21	22	16	13	9	8	7	7	12	9	10	22	52	12	5	68	20
23	75	13	5	4	3	3	3	3	3	3	4	5	4	4	4	4	4	4	3	4	4	4	4	4	7
24	4	4	4	5	7	9	9	9	10	12	12	13	16	9	8	8	14	12	7	7	8	7	7	4	8
25	5	5	3	4	4	3	4	5	5	7	7	5	4	3	3	3	3	3	3	3	3	3	3	3	4
26	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	12	5	3	5	7	8	4	4
27	12	12	9	7	7	7	5	5	7	7	3	3	3	3	3	3	3	3	3	3	3	4	4	5	5
28	7	5	3	3	4	3	3	4	4	5	21	92	102	35	----	5	4	5	5	13	21	14	12	9	16
29	8	7	5	5	5	5	7	10	17	16	13	13	10	12	12	13	13	12	16	22	21	16	12	9	12
30	7	4	4	3	3	3	3	3	3	3	3	3	4	8	9	9	8	10	12	7	7	7	7	8	6
31	7	4	12	26	28	21	13	10	9	8	8	7	7	7	12	16	17	9	8	8	7	4	3	----	11
AVG	15	12	12	13	14	51	19	13	15	13	14	18	18	15	15	12	14	14	15	16	17	14	12	19	16
HOURS	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	30	31	31	31	31	31	31	31	30	740

TOTAL HOURS	= 744	TOTAL AVERAGE	= 16	- 3HR RUNNING AVERAGE-		-24HR RUNNING AVERAGE-
NUMBER OF GOOD HOURS	= 740	HIGHEST HOURLY VALUE	= 1254	0VALUES EXCEED1300		0VALUES EXCEED 365
NUMBER OF MISSING HOURS	= 4	2nd HIGH HOURLY VALUE	= 236	HIGHEST AVERAGE 532		HIGHEST AVERAGE 90
DATA CAPTURE (PERCENT)	= 99.5	MINIMUM REPORTED VALUE	= 3	2nd HIGHEST AVG. 104		2nd HIGHEST AVG. 41
STANDARD DEVIATION	= 49					

NOTE: MISSING VALUE INDICATOR IS----

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* DATA VALIDATED BY *
* ENSR *
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ENSR | AECOM

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:MARINA TOWERS SO2 SOUTH (ug/m3)

DATA FOR DEC 2006
RUN DATE:01/09/07

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										HOURS(EST)														AVG
1	8	3	3	14	16	22	58	50	130	92	216	200	312	77	7	3	3	3	3	3	3	3	3	51
2	4	5	9	9	8	8	9	10	9	9	10	12	13	16	16	17	21	21	20	12	9	8	9	16	12
3	16	17	22	28	28	28	28	31	34	42	68	56	41	58	55	43	20	14	18	21	100	77	71	58	41
4	45	33	64	37	20	17	22	14	10	9	12	13	12	13	9	8	13	16	14	14	16	16	16	12	19
5	12	13	10	12	13	12	12	17	14	12	9	8	8	8	9	12	18	21	28	28	28	31	26	22	16
6	21	22	21	16	25	741	89	62	31	21	17	14	13	47	64	86	72	22	33	22	16	12	10	9	62
7	10	9	9	10	13	16	18	18	21	20	21	12	10	10	5	5	5	10	14	12	10	14	8	7	12
8	5	5	10	18	16	16	16	10	7	9	10	9	9	8	8	10	13	16	16	17	18	21	22	13	13
9	10	9	10	10	10	10	12	12	10	10	10	10	10	18	14	9	8	12	14	18	9	10	9	16	12
10	12	12	12	12	12	14	12	12	12	10	13	18	20	10	16	16	20	14	9	9	9	9	9	12	13
11	10	9	9	10	10	9	13	12	21	21	20	34	31	50	45	31	37	71	84	62	46	39	41	29	31
12	24	21	22	24	21	21	26	33	39	41	33	30	30	31	56	33	21	17	10	16	21	17	17	68	28
13	55	18	9	8	5	4	4	4	4	7	7	10	13	14	16	13	13	10	9	8	7	7	7	5	11
14	4	4	4	4	4	5	5	5	4	4	5	25	16	12	9	9	18	21	14	7	4	4	4	4	8
15	4	4	7	8	7	8	9	10	14	13	12	20	12	12	10	8	8	8	9	8	7	7	9	13	9
16	13	10	10	17	14	10	8	8	9	14	16	14	14	13	14	16	17	16	17	24	16	13	10	10	14
17	12	12	8	12	16	18	24	31	24	20	14	16	25	16	12	16	10	10	12	14	10	9	9	10	15
18	13	17	16	16	14	14	16	16	16	14	12	12	30	5	7	8	8	9	17	13	12	22	12	17	14
19	25	37	46	37	26	13	9	10	8	8	7	7	8	31	21	29	28	28	34	43	34	31	29	29	24
20	29	29	29	31	28	30	25	25	26	34	38	63	62	42	39	39	38	37	63	90	66	30	20	16	39
21	14	14	16	17	18	21	21	20	18	17	17	14	14	21	----	----	17	17	17	18	18	18	16	20	18
22	17	18	20	26	26	25	29	31	26	25	20	16	13	12	9	9	13	9	9	10	24	7	4	34	18
23	17	5	3	3	3	3	3	3	3	3	4	7	7	7	5	5	5	5	5	5	5	5	5	7	5
24	5	7	5	7	8	10	10	10	14	14	14	17	18	10	10	9	16	13	8	8	8	8	7	7	10
25	7	5	5	5	5	5	5	8	8	8	9	8	7	5	4	3	3	3	3	3	3	3	3	3	5
26	3	3	3	3	3	3	3	3	3	4	4	9	4	4	4	3	4	14	7	5	8	9	10	5	5
27	14	14	12	8	9	9	7	8	9	9	7	5	4	4	4	3	3	4	4	5	5	7	8	9	7
28	9	8	4	7	8	4	7	7	7	9	14	119	117	39	----	8	8	8	8	17	25	17	14	9	21
29	9	7	7	7	7	5	7	10	17	16	16	16	14	16	16	17	16	16	20	25	24	18	14	13	14
30	10	7	5	5	4	4	3	3	3	3	3	4	5	12	13	13	13	13	14	10	9	10	9	8	
31	8	7	12	26	29	24	16	13	13	12	12	10	10	10	18	22	21	13	12	10	7	5	5	----	14
AVG HOURS	14 31	12 31	14 31	14 31	14 31	36 31	17 31	16 31	18 31	17 31	22 31	26 31	29 31	20 31	18 29	17 30	16 31	16 31	18 31	18 31	19 31	16 31	14 31	16 30	18 740

TOTAL HOURS = 744
NUMBER OF GOOD HOURS = 740
NUMBER OF MISSING HOURS = 4
DATA CAPTURE (PERCENT) = 99.5
STANDARD DEVIATION = 34

TOTAL AVERAGE = 18
HIGHEST HOURLY VALUE = 741
2nd HIGH HOURLY VALUE = 312
MINIMUM REPORTED VALUE = 3

- 3HR RUNNING AVERAGE-
ØVALUES EXCEED1300
HIGHEST AVERAGE 297
2nd HIGHEST AVG. 243

-24HR RUNNING AVERAGE-
ØVALUES EXCEED 365
HIGHEST AVERAGE 67
2nd HIGHEST AVG. 65

NOTE: MISSING VALUE INDICATOR IS----

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* DATA VALIDATED BY *
* ENSR *
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ENSR | AECOM

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:SOUTHEAST SO2 SO2 (ug/m3)

DATA FOR DEC 2006
RUN DATE:01/09/07

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
1	7	3	3	3	3	3	3	5	4	4	3	3	3	3	3	3	3	3	88	200	356	296	451	60
2	367	186	64	33	43	22	13	26	84	63	160	136	183	56	131	144	48	42	34	21	9	9	14	79
3	16	17	22	29	28	29	29	30	31	43	67	51	37	54	52	41	18	13	16	18	89	69	68	58	39
4	42	33	131	204	190	358	331	469	483	642	519	252	246	410	237	47	14	14	14	16	16	17	14	12	196
5	10	12	9	29	17	20	22	4	3	8	9	50	24	42	12	17	20	21	41	28	28	30	25	20	21
6	20	18	18	14	16	18	16	14	16	20	13	12	10	10	10	13	14	14	20	20	14	12	9	8	15
7	9	8	8	9	12	14	16	18	18	18	16	33	310	347	293	550	638	516	637	473	398	608	445	334	239
8	438	96	45	66	30	63	164	109	186	385	546	521	447	596	380	88	22	17	21	35	37	29	39	14	182
9	9	9	10	9	9	10	12	10	10	10	9	9	8	9	13	8	7	12	13	16	9	8	7	12	10
10	10	8	9	10	12	13	12	12	10	10	10	8	8	8	9	16	17	14	9	8	8	8	8	8	10
11	8	8	8	8	10	9	12	9	18	14	17	38	35	54	48	35	33	67	59	35	28	28	25	17	26
12	18	14	17	14	18	16	21	29	37	38	30	28	26	29	----	----	17	14	9	14	21	17	16	21	21
13	10	5	4	4	3	3	3	3	4	5	7	9	12	14	16	12	13	9	8	7	5	5	7	5	7
14	5	5	4	4	4	5	7	7	5	4	7	7	9	9	8	7	14	18	13	5	4	4	4	3	7
15	3	3	7	7	7	8	9	10	13	10	9	9	9	9	8	8	8	9	8	9	8	12	12	72	11
16	69	25	12	16	17	24	52	17	13	34	90	60	46	30	25	16	16	14	14	12	13	10	10	9	27
17	10	7	5	8	14	17	21	28	21	18	13	10	10	10	17	16	9	9	9	10	10	9	9	10	13
18	14	17	14	14	13	13	14	16	16	14	10	8	7	8	71	177	45	38	50	75	105	63	46	39	37
19	94	46	46	35	25	12	8	9	7	7	5	5	18	110	89	124	52	52	66	75	43	35	29	28	43
20	29	25	29	30	26	29	22	24	28	34	35	38	35	35	34	37	35	33	48	84	64	29	18	14	34
21	13	13	14	16	17	21	18	18	17	16	16	14	13	12	13	16	14	17	17	18	18	17	14	17	16
22	16	16	17	24	25	24	26	30	28	26	20	17	14	13	10	12	14	10	10	8	4	3	3	3	15
23	3	7	3	3	3	3	3	3	3	3	25	64	69	43	56	22	10	5	5	5	5	5	4	4	15
24	3	5	8	8	10	25	12	10	16	64	45	30	20	22	26	21	17	12	8	8	8	8	8	5	17
25	5	7	5	5	5	5	7	8	8	8	8	8	8	7	5	3	3	3	3	3	3	3	3	3	5
26	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	----	110	77	63	134	215	109	105	37
27	85	115	42	20	114	83	10	55	18	21	174	77	64	21	16	5	3	4	5	8	8	10	8	10	41
28	10	8	4	8	8	5	7	9	7	7	9	110	138	46	14	8	8	9	10	16	26	18	16	12	21
29	10	9	9	8	8	8	9	14	21	20	18	18	16	18	18	20	17	17	22	29	28	21	17	14	16
30	12	8	8	7	5	4	4	4	4	4	4	4	8	14	16	16	14	13	10	13	10	7	8	9	9
31	7	5	14	30	33	26	20	16	14	13	13	12	12	13	20	24	21	14	13	9	7	7	7	----	15
AVG HOURS	44 31	24 31	19 31	22 31	23 31	29 31	29 31	33 31	37 31	51 31	62 31	53 31	60 31	66 31	55 30	50 30	39 30	37 31	41 31	40 31	44 31	54 31	42 31	44 30	41 740

TOTAL HOURS	= 744	TOTAL AVERAGE	= 41	- 3HR RUNNING AVERAGE-		-24HR RUNNING AVERAGE-
NUMBER OF GOOD HOURS	= 740	HIGHEST HOURLY VALUE	= 642	0VALUES EXCEED1300		0VALUES EXCEED 365
NUMBER OF MISSING HOURS	= 4	2nd HIGH HOURLY VALUE	= 638	HIGHEST AVERAGE 597		HIGHEST AVERAGE 361
DATA CAPTURE (PERCENT)	= 99.5	MINIMUM REPORTED VALUE	= 3	2nd HIGHEST AVG. 548		2nd HIGHEST AVG. 206
STANDARD DEVIATION	= 93					

NOTE: MISSING VALUE INDICATOR IS----

DATA VALIDATED BY
ENSR

ENSR | AECOM

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:NORTHEAST SO2 . SO2 (ug/m3)

DATA FOR DEC 2006
RUN DATE:01/09/07

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											HOURS(EST)														AVG
1	7	4	4	3	3	3	4	4	4	5	5	4	4	4	4	7	12	20	17	51	85	52	18	14	14
2	8	22	13	9	18	10	9	16	38	31	25	12	13	17	16	16	17	17	17	10	7	7	9	13	15
3	13	14	17	22	22	22	22	25	28	39	60	46	33	47	46	37	14	10	13	14	76	69	56	52	33
4	41	29	59	33	17	20	20	12	13	29	25	12	10	10	12	10	14	16	10	10	10	10	10	9	18
5	8	9	5	8	9	8	8	12	10	29	38	8	5	5	9	8	14	17	22	22	22	26	20	17	14
6	16	16	13	10	12	13	10	9	9	13	9	9	8	7	7	8	9	9	13	14	9	8	7	5	10
7	5	4	4	5	5	7	8	9	12	13	12	24	31	33	42	39	18	31	56	62	67	12	25	21	23
8	10	34	17	60	55	55	16	18	12	16	25	16	21	9	8	48	22	16	17	12	14	16	16	8	23
9	4	3	4	4	3	4	4	4	4	4	4	4	5	4	8	3	3	7	8	10	4	4	3	5	4
10	5	4	4	5	7	7	5	5	5	5	5	4	4	4	5	9	13	7	4	4	3	3	3	3	5
11	3	3	3	3	3	3	3	3	8	8	9	20	22	42	45	29	26	58	51	25	14	18	8	7	17
12	10	8	9	10	14	10	13	21	31	33	25	24	----	----	52	30	18	13	8	12	14	13	13	18	18
13	10	5	5	5	3	3	3	3	3	3	4	5	8	9	12	9	8	8	8	5	4	4	4	4	6
14	3	3	3	3	3	3	4	3	3	3	4	4	7	9	9	10	13	17	12	5	4	4	3	3	5
15	3	3	4	4	4	5	7	7	10	10	9	9	10	10	9	9	9	8	8	5	17	38	17	22	10
16	25	34	10	17	13	9	8	8	8	14	16	14	14	13	13	16	16	16	12	9	9	7	7	7	13
17	8	4	4	7	12	13	13	21	20	18	14	12	10	12	16	16	10	9	9	9	10	9	9	9	11
18	9	12	10	9	12	12	12	10	13	14	13	10	9	144	62	12	10	12	18	14	14	24	12	16	20
19	25	37	47	37	26	12	9	9	8	7	7	5	8	31	21	29	26	28	34	43	34	31	29	29	24
20	29	25	26	28	22	21	18	20	25	33	35	38	35	34	33	35	34	31	47	80	60	28	16	14	32
21	12	12	13	14	16	18	17	16	13	13	13	12	10	9	10	13	12	13	14	16	16	16	14	16	14
22	16	16	17	22	24	21	24	28	24	22	16	14	10	10	9	9	12	10	10	9	8	5	5	4	14
23	5	5	5	4	4	4	3	4	4	4	7	8	12	18	24	31	9	8	7	7	7	5	4	4	8
24	4	5	5	7	8	9	9	9	14	17	14	17	18	12	10	9	16	14	8	8	8	7	7	5	10
25	5	5	4	4	4	4	5	5	7	8	8	8	7	5	5	4	3	3	3	3	4	4	4	3	5
26	3	3	3	3	3	3	4	4	4	4	5	5	5	5	4	----	8	31	24	20	14	21	18	14	9
27	20	18	21	14	13	12	13	17	21	66	122	64	41	98	81	80	18	5	7	9	8	8	9	9	32
28	9	7	4	7	7	5	5	5	5	7	9	90	124	43	17	9	9	10	10	18	26	14	14	10	19
29	9	8	8	7	7	8	10	16	22	29	25	25	25	31	42	29	25	26	37	43	33	22	17	14	22
30	12	9	8	7	5	5	5	4	4	5	5	5	7	10	14	16	16	13	10	10	10	8	8	8	9
31	8	7	13	28	33	28	20	17	17	16	16	14	14	14	21	25	24	16	14	12	9	8	7	----	16
AVG HOURS	11 31	12 31	12 31	13 31	12 31	11 31	10 31	11 31	13 31	17 31	19 31	17 31	18 30	23 30	21 31	20 30	15 31	16 31	17 31	19 31	20 31	16 31	13 31	12 30	15 740

TOTAL HOURS	= 744	TOTAL AVERAGE	= 15	- 3HR RUNNING AVERAGE-		-24HR RUNNING AVERAGE-
NUMBER OF GOOD HOURS	= 740	HIGHEST HOURLY VALUE	= 144	0VALUES EXCEED	1300	0VALUES EXCEED 365
NUMBER OF MISSING HOURS	= 4	2nd HIGH HOURLY VALUE	= 124	HIGHEST AVERAGE	86	HIGHEST AVERAGE 37
DATA CAPTURE (PERCENT)	= 99.5	MINIMUM REPORTED VALUE	= 3	2nd HIGHEST AVG.	86	2nd HIGHEST AVG. 36
STANDARD DEVIATION	= 16					

NOTE: MISSING VALUE INDICATOR IS----

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* DATA VALIDATED BY *
* ENSR *
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ENSR | AECOM

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:NORTH-DAINGERFIELD SO2 (ug/m3)

DATA FOR DEC 2006
RUN DATE:01/09/07

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
HOURS(EST)																									
1	12	10	13	5	21	14	29	33	10	17	58	42	46	215	89	46	13	20	4	4	3	4	4	3	30
2	5	7	9	9	9	9	10	10	10	10	12	13	14	16	17	17	21	20	18	12	9	9	13	16	12
3	16	17	22	26	25	28	28	21	31	43	63	52	37	50	51	43	21	14	16	16	50	92	54	45	36
4	38	30	54	33	18	17	21	14	12	10	13	14	13	14	10	9	13	16	13	12	13	16	14	14	18
5	13	12	10	8	7	9	10	12	13	12	9	9	9	9	9	12	17	17	21	24	26	25	18	16	14
6	16	16	12	10	10	17	16	16	20	21	66	16	31	41	50	67	16	16	20	45	18	13	10	9	24
7	10	9	9	10	10	10	16	17	21	20	17	12	12	10	7	7	7	12	14	12	10	13	8	7	12
8	7	7	10	17	14	14	16	10	8	9	10	9	8	8	8	9	12	14	14	16	17	18	20	12	12
9	8	8	7	8	9	9	8	9	10	10	9	10	10	9	13	9	8	9	13	17	12	16	10	12	10
10	12	10	10	13	13	12	13	13	13	10	10	10	9	9	9	16	16	13	10	9	7	7	5	8	11
11	7	12	12	9	10	9	10	9	18	18	18	24	33	54	47	30	31	52	52	37	21	29	18	13	24
12	14	14	13	12	12	12	16	21	35	----	----	30	29	30	35	21	14	10	7	10	10	12	10	17	18
13	10	7	7	7	4	4	4	3	4	5	7	10	10	13	14	9	8	5	7	5	4	4	4	3	7
14	3	3	3	3	3	3	3	4	3	4	4	5	8	10	12	14	18	13	16	5	4	4	4	4	6
15	4	4	4	4	4	4	4	4	5	9	10	10	10	10	9	8	8	9	9	8	8	8	9	12	7
16	13	10	9	10	12	9	8	8	9	16	16	16	16	14	14	16	16	14	14	10	12	12	8	9	12
17	9	9	8	8	8	9	14	14	24	20	14	12	10	12	16	16	10	13	10	10	13	9	9	10	12
18	9	10	10	7	7	9	9	10	16	14	13	9	8	7	8	9	8	10	16	13	12	20	10	14	11
19	22	33	42	33	24	13	9	10	9	8	8	8	9	30	20	28	24	24	29	37	30	29	25	24	22
20	22	22	18	18	12	16	17	17	26	33	37	39	34	34	31	35	34	30	42	77	62	33	18	21	30
21	25	22	21	17	18	22	22	20	18	16	16	17	14	13	13	16	14	16	16	18	17	17	16	16	18
22	14	16	14	17	20	16	12	18	20	25	18	17	12	9	8	8	8	7	7	7	4	4	3	3	12
23	4	7	4	3	3	3	3	3	3	4	5	7	8	8	7	7	7	7	5	7	5	5	4	5	5
24	5	5	7	7	8	9	9	8	13	16	14	18	18	12	10	10	16	14	10	8	9	9	8	7	10
25	7	8	7	7	7	8	8	8	8	9	10	9	8	7	5	4	4	3	3	3	4	4	3	3	6
26	3	3	3	3	4	4	4	4	4	4	5	5	5	----	----	3	5	13	8	7	9	9	12	7	6
27	14	14	13	9	9	10	8	9	10	10	8	5	5	5	5	4	4	5	5	9	9	9	9	9	8
28	9	8	8	8	8	9	9	10	10	12	12	69	135	48	18	10	8	9	10	12	20	13	13	12	20
29	9	9	8	8	7	7	8	10	16	21	18	18	16	18	18	18	16	12	20	22	21	20	12	9	14
30	8	7	7	7	5	5	4	4	4	4	4	5	8	14	14	13	9	9	7	7	5	8	8	8	7
31	7	7	9	14	20	16	13	10	9	12	12	10	10	12	17	17	16	10	10	9	7	7	5	4	11
AVG	11	11	12	11	11	11	12	12	13	14	17	17	19	25	20	17	14	14	14	16	15	15	12	11	14
HOURS	31	31	31	31	31	31	31	31	31	30	30	31	31	30	30	31	31	31	31	31	31	31	31	31	740

TOTAL HOURS	= 744	TOTAL AVERAGE	= 14	- 3HR RUNNING AVERAGE-		-24HR RUNNING AVERAGE-
NUMBER OF GOOD HOURS	= 740	HIGHEST HOURLY VALUE	= 215	0VALUES EXCEED1300		0VALUES EXCEED 365
NUMBER OF MISSING HOURS	= 4	2nd HIGH HOURLY VALUE	= 135	HIGHEST AVERAGE 117		HIGHEST AVERAGE 39
DATA CAPTURE (PERCENT)	= 99.5	MINIMUM REPORTED VALUE	= 3	2nd HIGHEST AVG. 84		2nd HIGHEST AVG. 38
STANDARD DEVIATION	= 14					

NOTE: MISSING VALUE INDICATOR IS----

DATA VALIDATED BY
ENSR

ENSR | AECOM

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:SOUTHWEST HOLIDAY IN SO2 (ug/m3)

DATA FOR DEC 2006
RUN DATE:01/11/07

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
HOURS(EST)																									
1	9	5	4	4	3	3	5	5	7	7	5	5	3	4	3	3	3	4	3	3	3	3	3	3	4
2	5	7	10	10	10	9	12	13	12	12	14	14	16	18	20	20	24	24	24	16	13	12	13	22	15
3	20	21	26	31	33	33	33	37	39	48	75	60	45	63	59	46	24	18	24	28	100	77	79	67	45
4	50	38	59	42	25	21	26	18	14	13	14	17	14	16	13	12	18	21	21	20	21	21	21	17	23
5	16	16	14	17	17	17	17	18	18	17	14	13	13	13	13	17	25	26	31	31	34	35	31	26	21
6	25	25	24	22	22	26	24	21	21	25	20	18	17	16	16	20	21	20	26	26	20	17	16	14	21
7	16	13	14	17	17	21	24	24	25	25	24	17	16	16	10	9	9	14	18	14	14	17	10	9	16
8	9	9	16	22	20	21	21	14	12	13	14	13	13	12	13	17	20	21	21	24	25	26	28	20	18
9	16	16	17	16	16	16	16	17	17	17	16	16	16	16	21	14	14	18	20	22	16	14	13	18	17
10	17	16	16	16	20	20	18	18	18	17	20	17	16	13	16	21	25	21	16	16	14	16	16	17	17
11	14	14	17	14	18	20	21	20	30	26	25	46	46	50	43	31	42	75	68	52	42	31	38	25	34
12	26	21	21	25	26	29	51	60	60	46	38	41	37	37	64	37	25	21	14	21	28	25	22	26	33
13	16	12	10	9	9	8	8	8	9	10	12	16	18	20	21	17	18	13	13	12	9	9	9	8	12
14	8	8	8	8	8	8	8	8	9	7	9	10	12	13	----	----	----	22	18	9	7	7	7	7	10
15	7	7	8	9	8	10	12	12	17	16	13	13	13	13	13	10	12	12	13	13	12	10	12	16	12
16	16	14	14	18	18	14	10	12	12	18	20	20	18	18	18	20	21	21	18	16	17	17	14	14	17
17	16	13	10	13	18	20	22	31	28	24	18	17	16	17	17	20	16	14	14	16	16	13	14	14	17
18	17	20	20	20	18	17	20	20	21	18	16	13	12	9	10	12	12	13	22	18	17	28	16	22	17
19	29	39	52	43	31	18	14	14	12	13	12	10	13	33	28	33	34	33	38	47	39	37	34	33	29
20	34	31	34	37	30	31	28	29	35	42	45	47	43	42	41	45	43	39	55	89	69	35	24	21	40
21	18	18	21	21	24	26	25	24	22	21	22	20	20	18	18	21	21	22	22	24	25	24	21	24	22
22	22	24	25	29	31	29	34	38	34	33	26	22	21	18	16	16	20	17	16	13	10	8	8	7	22
23	7	10	8	7	7	7	7	7	7	8	9	10	10	10	9	9	9	9	9	10	10	9	9	9	9
24	8	10	10	10	13	14	14	16	18	20	20	22	22	14	14	13	21	17	12	13	13	12	12	12	15
25	10	12	9	10	12	12	12	13	13	14	14	16	13	12	10	8	7	7	7	5	7	7	7	7	10
26	7	7	7	7	7	8	7	8	8	8	9	9	8	8	8	7	9	20	12	9	12	14	14	10	9
27	20	20	17	12	13	13	12	13	14	14	10	9	9	9	9	8	8	10	12	12	12	14	14	16	13
28	14	13	9	12	13	9	12	12	13	13	16	----	119	43	17	13	13	14	17	22	31	24	21	17	21
29	16	14	12	12	13	13	13	28	29	34	29	28	33	26	26	26	24	24	28	34	30	26	21	18	23
30	16	12	10	9	8	8	8	8	8	8	8	10	12	18	20	18	18	17	20	18	14	10	9	12	12
31	9	8	12	31	38	30	22	18	17	17	17	14	16	16	22	26	28	18	17	12	10	10	10	----	18
AVG HOURS	16 31	16 31	17 31	18 31	18 31	17 31	18 31	19 31	19 31	19 31	19 31	20 30	22 31	20 31	20 30	19 30	19 30	20 31	21 31	21 31	22 31	20 31	18 31	18 30	19 739

TOTAL HOURS	= 744	TOTAL AVERAGE	= 19	- 3HR RUNNING AVERAGE-		-24HR RUNNING AVERAGE-
NUMBER OF GOOD HOURS	= 739	HIGHEST HOURLY VALUE	= 119	0VALUES EXCEED	1300	0VALUES EXCEED 365
NUMBER OF MISSING HOURS	= 5	2nd HIGH HOURLY VALUE	= 100	HIGHEST AVERAGE	85	HIGHEST AVERAGE 49
DATA CAPTURE (PERCENT)	= 99.3	MINIMUM REPORTED VALUE	= 3	2nd HIGHEST AVG.	71	2nd HIGHEST AVG. 41
STANDARD DEVIATION	= 13					

NOTE: MISSING VALUE INDICATOR IS----

DATA VALIDATED BY
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MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:SOUTHEAST FENCELINE WSs (MPH)

DATA FOR DEC 2006
RUN DATE:01/09/07

HOURS(EST)

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	6.3	7.2	6.1	7.4	8.6	7.8	8.7	8.7	9.8	9.2	11.9	12.4	14.4	17.3	15.8	16.5	13.9	11.9	9.3	12.0	18.0	17.0	17.2	17.6	11.8
2	15.6	14.7	10.4	9.2	10.0	8.0	7.2	8.7	11.3	13.5	13.2	10.9	11.7	9.5	9.9	11.1	8.4	7.7	7.5	8.6	9.1	9.5	10.8	10.5	10.3
3	9.6	8.2	8.0	5.6	5.3	6.1	5.2	4.8	4.3	3.6	4.6	4.5	5.3	4.9	4.5	3.1	4.3	6.0	4.2	4.2	2.8	2.8	3.9	3.4	4.9
4	4.4	6.3	8.8	12.1	11.5	16.0	14.1	15.2	14.6	18.5	17.1	14.2	14.0	13.8	12.2	11.2	8.9	7.1	4.3	5.0	4.3	4.1	3.8	3.9	10.2
5	3.4	3.0	4.0	4.8	7.2	8.1	7.9	4.2	3.7	7.9	8.5	9.6	8.5	7.0	7.1	8.5	6.2	6.2	6.2	5.1	8.2	3.7	4.3	4.6	6.1
6	3.7	3.2	4.2	2.9	4.0	8.0	6.5	9.2	6.8	7.5	8.9	10.8	9.2	11.7	11.9	11.6	9.3	6.9	8.7	9.1	7.4	7.2	7.5	8.5	7.7
7	7.2	6.2	6.3	4.8	2.9	4.9	3.4	4.3	4.1	4.1	6.6	9.6	15.2	17.2	17.3	20.6	17.9	17.2	20.9	19.4	19.2	20.8	20.3	18.5	12.0
8	17.1	13.0	12.7	13.1	12.4	11.7	13.1	10.9	12.5	16.1	15.0	15.8	17.5	15.4	13.6	12.7	12.9	10.4	10.0	10.2	11.5	9.5	8.1	5.5	12.5
9	3.9	3.4	5.0	5.7	4.7	3.9	4.1	4.3	4.1	4.5	5.7	5.4	5.6	8.0	5.8	5.7	4.4	4.6	5.7	4.4	4.5	4.5	4.1	3.4	4.8
10	4.2	5.0	3.7	3.6	2.8	3.0	4.1	2.9	3.3	5.1	6.5	6.0	5.6	6.4	8.2	6.3	4.4	3.9	4.1	3.9	3.8	4.1	3.0	2.8	4.4
11	2.6	2.3	2.9	2.8	2.9	2.0	2.4	2.4	2.3	3.1	3.4	3.3	6.9	5.7	3.6	3.1	4.3	5.8	3.2	3.2	2.7	2.5	2.6	2.4	3.2
12	2.6	2.4	2.4	3.4	3.7	5.4	6.7	6.5	8.3	8.0	5.4	4.0	3.9	3.1	7.7	10.6	9.6	8.5	8.4	9.1	7.1	7.6	6.8	6.6	6.1
13	4.2	3.9	2.8	2.6	2.7	3.1	4.5	4.1	4.2	3.8	4.1	4.6	6.9	5.0	6.3	5.8	4.3	4.5	5.3	5.0	4.5	4.5	5.3	3.7	4.4
14	4.1	3.9	3.2	3.5	4.3	4.0	3.6	3.5	4.8	4.5	6.0	6.2	5.6	5.0	3.8	4.3	5.5	4.8	5.3	4.6	2.7	4.9	4.1	3.5	4.4
15	3.2	5.0	4.6	3.8	4.2	5.9	5.5	4.5	4.1	5.6	6.6	6.5	4.4	4.3	5.5	5.5	4.7	4.2	3.8	4.6	5.8	8.8	8.9	9.6	5.4
16	11.4	8.2	8.7	6.9	6.6	8.4	9.2	6.5	7.1	7.9	9.3	8.6	9.8	8.5	6.2	4.2	4.1	2.8	2.9	3.2	3.6	3.6	4.0	3.3	6.4
17	3.8	3.2	3.7	4.6	3.8	3.4	3.6	4.7	4.3	3.8	5.4	6.2	6.3	5.2	4.3	4.7	5.1	4.4	3.5	4.0	7.5	6.4	4.3	3.8	4.6
18	3.7	4.5	4.7	4.5	4.9	4.2	4.1	4.5	4.0	4.7	5.4	5.8	6.6	9.2	12.0	10.9	9.5	8.8	11.8	11.7	10.4	10.2	10.2	9.6	7.3
19	10.1	9.6	8.2	10.9	8.0	10.7	10.3	8.9	7.9	8.1	5.9	4.4	6.8	9.3	10.8	11.3	8.6	7.5	9.1	10.4	9.8	10.5	8.7	5.3	8.8
20	3.1	3.4	6.4	4.6	4.5	5.0	3.0	3.1	3.7	3.1	3.6	6.4	9.3	6.3	7.0	5.0	5.0	4.9	6.8	6.2	4.9	4.5	4.3	5.0	4.9
21	5.3	6.3	5.4	4.8	4.3	4.7	4.3	3.8	4.0	3.4	4.5	4.4	4.6	5.6	5.6	3.3	4.4	4.3	3.3	3.5	2.9	2.9	3.0	3.0	4.2
22	3.2	2.3	2.3	3.1	3.3	3.2	4.3	4.3	5.2	5.4	4.5	3.4	4.6	4.8	5.7	4.9	4.9	4.8	6.2	12.6	11.1	8.5	9.9	7.9	5.4
23	6.1	4.5	3.7	5.1	3.1	3.9	5.9	5.1	2.7	3.6	8.4	11.3	11.4	10.4	11.7	11.6	7.6	4.1	3.2	4.2	6.0	3.6	3.4	3.8	6.0
24	3.5	3.4	4.5	5.8	6.3	7.2	5.2	5.0	6.3	11.6	10.9	10.5	7.9	12.9	10.4	8.5	7.4	6.4	4.8	4.3	3.0	2.5	2.3	2.2	6.3
25	1.8	2.8	2.7	2.6	2.7	2.2	2.9	2.5	2.4	3.2	3.9	5.1	5.7	4.3	4.0	7.3	8.7	9.3	7.9	7.1	5.2	5.5	5.2	5.7	4.6
26	5.4	3.7	3.5	3.5	4.8	4.5	6.4	7.2	3.6	4.4	5.2	5.2	4.9	3.7	2.7	5.2	7.1	12.6	11.8	11.8	10.8	11.5	10.7	11.3	6.7
27	11.0	10.9	9.2	9.6	10.8	9.6	8.3	9.7	7.0	12.1	18.1	15.1	12.0	10.9	10.3	9.2	6.5	3.9	3.7	4.5	3.4	4.1	3.7	5.1	8.7
28	3.6	3.2	3.2	3.6	3.7	3.0	2.8	2.6	3.3	4.1	5.1	5.5	5.9	4.9	4.3	3.0	1.8	0.5	1.1	3.0	3.5	1.9	3.3	4.9	3.4
29	4.6	4.3	2.4	3.2	5.6	5.4	5.7	6.3	8.5	7.9	8.5	8.3	9.4	7.2	6.0	9.0	8.1	7.7	6.5	5.0	4.1	4.2	4.6	4.1	6.1
30	2.9	4.0	6.7	6.0	4.9	4.0	2.9	3.4	3.2	3.4	4.6	5.4	5.7	6.9	6.3	7.6	5.4	3.3	2.8	3.2	3.6	1.7	2.0	1.7	4.2
31	2.4	3.1	6.5	7.1	7.0	6.7	6.6	5.8	6.3	6.9	6.7	5.4	5.0	7.1	8.3	10.8	8.8	7.7	7.6	9.4	4.9	6.1	5.0	----	6.5
AVG	5.6	5.3	5.4	5.5	5.5	5.9	5.9	5.7	5.7	6.7	7.5	7.6	8.0	8.1	8.0	8.1	7.1	6.5	6.4	6.8	6.6	6.4	6.3	6.0	6.5
HOURS	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	743

TOTAL HOURS	= 744	TOTAL AVERAGE	= 6.5
NUMBER OF GOOD HOURS	= 743	HIGHEST HOURLY VALUE	= 20.9
NUMBER OF MISSING HOURS	= 1	2nd HIGH HOURLY VALUE	= 20.8
DATA CAPTURE (PERCENT)	= 99.9	MINIMUM REPORTED VALUE	= 0.5
STANDARD DEVIATION	= 3.7		

NOTE: MISSING VALUE INDICATOR IS----

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

ENSR | AECOM

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:SOUTHEAST FENCELINE WDRs (DEG)

DATA FOR DEC 2006
RUN DATE:01/09/07

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
HOURS(EST)																									
1	197	190	183	178	183	179	182	179	174	178	178	178	177	188	195	201	204	209	219	279	293	298	298	302	210
2	302	295	292	291	286	283	273	285	289	288	294	295	298	291	295	298	302	296	305	315	324	360	31	343	289
3	28	47	53	64	68	50	50	91	136	59	98	151	153	159	167	155	165	148	170	175	253	214	287	287	134
4	300	293	306	308	308	299	307	302	297	300	298	298	298	301	293	285	270	267	281	284	259	263	228	202	285
5	191	198	239	296	316	298	292	260	259	251	262	285	285	274	281	309	311	305	298	343	44	318	64	98	253
6	129	158	149	358	137	159	173	169	189	195	194	208	202	188	178	179	175	175	177	183	194	197	201	207	186
7	209	213	207	200	199	262	182	184	190	194	154	268	294	296	295	297	299	295	295	296	295	305	298	295	251
8	297	286	284	281	276	286	291	288	288	295	297	296	298	303	298	286	282	278	283	289	290	285	293	286	289
9	264	278	246	247	227	245	246	217	200	200	206	213	187	158	195	199	213	201	176	189	180	184	185	191	210
10	182	188	203	194	250	204	186	201	193	160	147	148	164	172	171	177	214	202	183	192	189	189	196	197	188
11	189	230	32	168	226	193	189	202	257	147	151	132	317	313	11	2	295	291	279	197	180	204	210	200	192
12	12	230	46	335	326	14	33	41	32	38	46	106	139	103	109	95	100	92	85	108	111	115	121	156	108
13	163	164	211	284	271	156	174	177	169	192	188	175	172	168	178	174	190	185	179	189	182	177	173	181	186
14	185	184	187	205	173	181	176	187	176	156	149	153	163	178	194	189	187	176	161	162	130	177	177	185	175
15	186	180	197	169	181	188	191	188	172	155	162	177	192	165	168	174	188	237	244	242	253	278	288	293	203
16	291	293	319	318	311	310	302	287	298	293	292	293	299	306	294	291	291	220	181	176	206	187	189	188	268
17	183	168	161	172	193	218	247	192	185	206	179	161	164	165	170	187	180	179	180	181	185	193	184	180	184
18	176	177	184	187	184	181	183	180	174	172	165	157	168	270	288	301	298	298	315	320	314	316	319	315	235
19	309	313	333	325	335	26	34	30	31	28	43	52	312	295	291	305	314	308	310	312	318	320	318	306	232
20	316	76	71	43	265	238	224	80	114	102	135	136	150	153	160	189	187	166	174	178	189	198	185	180	163
21	179	183	194	191	196	179	195	209	226	220	187	186	156	165	171	244	151	156	184	171	197	161	58	128	179
22	54	45	149	154	173	129	81	119	80	60	79	67	60	86	93	79	107	114	137	143	152	127	124	153	107
23	193	233	211	185	219	263	292	299	282	223	301	301	299	295	289	288	290	285	271	276	305	296	229	234	265
24	219	295	304	302	295	306	298	276	288	295	302	302	299	295	293	301	302	298	298	254	222	195	276	71	274
25	116	165	192	180	195	355	279	171	330	56	33	34	79	83	74	61	65	56	42	44	340	311	292	272	159
26	279	265	247	201	184	178	210	232	208	179	211	205	173	237	100	199	269	298	295	295	299	302	298	301	236
27	299	298	292	289	298	298	284	292	282	285	292	284	288	274	272	271	271	268	230	251	259	271	278	297	280
28	228	177	187	235	182	177	180	185	144	144	154	165	163	151	156	215	63	346	5	69	36	90	84	30	149
29	35	29	62	357	46	28	34	41	29	33	53	41	47	38	43	36	65	79	56	27	45	75	140	146	66
30	36	45	28	24	37	33	3	23	32	92	153	146	144	156	162	174	178	221	212	202	184	181	192	308	124
31	160	58	315	25	32	29	43	62	56	77	84	108	100	102	102	118	114	106	118	138	152	119	122	----	102
AVG	191	192	196	218	212	192	188	182	187	170	177	185	201	204	193	203	211	218	205	209	212	223	204	218	200
HOURS	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	743

TOTAL HOURS	= 744	TOTAL AVERAGE	= 200
NUMBER OF GOOD HOURS	= 743	HIGHEST HOURLY VALUE	= 360
NUMBER OF MISSING HOURS	= 1	2nd HIGH HOURLY VALUE	= 358
DATA CAPTURE (PERCENT)	= 99.9	MINIMUM REPORTED VALUE	= 2
STANDARD DEVIATION	= 85		

NOTE: MISSING VALUE INDICATOR IS----

DATA VALIDATED BY
ENSR

ENSR | AECOM

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION: SOUTHEAST FENCELINE VWS (MPH)

DATA FOR DEC 2006
RUN DATE: 01/09/07

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	-0.4	-0.6	-0.4	-0.2	-0.3	-0.2	-0.3	-0.2	-0.2	-0.1	0.0	-0.4	-0.3	-0.9	-1.1	-0.8	-0.6	-0.8	-0.4	0.6	0.9	1.0	0.9	0.8	-0.2
2	0.8	0.7	0.4	0.3	0.5	0.3	0.2	0.6	0.4	0.7	0.5	0.4	0.4	0.7	0.5	0.5	0.4	0.2	0.5	0.9	0.5	0.5	0.8	0.5	0.5
3	1.1	1.3	1.1	0.6	0.6	0.8	0.5	0.5	0.0	0.2	0.4	0.0	0.1	0.1	-0.1	-0.1	0.0	0.3	0.0	0.1	0.0	-0.2	0.1	0.1	0.3
4	0.1	0.1	0.8	0.7	0.7	0.6	0.7	0.7	0.6	0.7	0.7	0.8	0.7	0.4	0.3	0.6	0.4	0.4	0.0	0.0	0.0	0.0	-0.1	-0.3	0.4
5	0.0	-0.1	-0.2	0.0	0.6	0.2	0.2	0.0	-0.1	0.0	0.1	0.5	0.4	0.4	0.2	0.8	0.5	0.6	0.6	0.4	1.1	0.2	0.4	0.5	0.3
6	0.2	0.0	0.2	0.1	0.1	0.0	-0.2	-0.4	-0.3	-0.5	-0.3	-0.7	-0.4	-0.6	-0.4	-0.5	-0.3	-0.2	-0.4	-0.7	-0.7	-0.5	-0.3	-0.6	-0.3
7	-0.4	-0.3	-0.3	-0.3	-0.1	0.0	0.0	-0.2	0.2	0.4	0.2	0.8	0.7	0.8	0.7	0.8	0.8	0.9	1.2	1.1	1.3	1.0	1.1	0.9	0.5
8	0.9	0.7	0.7	0.8	0.6	0.5	0.6	0.6	0.4	0.8	0.4	0.7	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.5	0.3	0.2	0.0	0.5
9	-0.1	-0.1	-0.1	0.0	-0.2	0.0	0.0	0.1	0.0	-0.2	-0.2	-0.1	0.1	0.4	-0.4	-0.4	-0.1	-0.3	-0.3	-0.3	-0.2	-0.3	-0.3	-0.2	-0.1
10	-0.3	-0.4	-0.2	-0.2	0.0	-0.1	-0.3	-0.1	0.1	0.5	0.1	0.2	0.1	0.0	-0.3	-0.3	-0.1	-0.3	-0.1	-0.3	-0.1	-0.1	-0.1	0.0	-0.1
11	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.2	-0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.3	0.5	0.7	0.3	0.1	0.0	0.0	0.7	1.3	1.1	1.0	1.0	0.8	0.7	0.7	0.5	0.1	0.4
13	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.2	0.0	-0.2	0.0	-0.2	-0.2	-0.2	-0.2	-0.2	-0.4	-0.2	-0.1	-0.2	-0.1	-0.1
14	-0.2	-0.1	-0.1	-0.1	-0.1	-0.2	0.1	-0.2	0.0	0.4	0.3	0.1	0.0	0.0	0.0	-0.2	-0.3	-0.2	0.0	0.0	0.0	-0.2	-0.2	-0.1	-0.1
15	-0.1	-0.2	-0.3	0.0	-0.1	-0.4	-0.4	-0.3	0.2	0.2	0.2	-0.1	0.1	0.0	0.1	-0.1	-0.2	0.0	0.0	0.1	0.1	0.3	0.3	0.4	0.0
16	0.4	0.3	0.7	0.7	0.8	0.6	0.3	0.1	0.1	0.3	0.3	0.3	0.4	0.5	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.2
17	-0.2	0.0	0.0	-0.1	-0.2	-0.1	-0.1	-0.4	-0.3	-0.1	0.3	0.2	0.1	0.0	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1	-0.4	-0.4	-0.2	-0.1	-0.1
18	0.0	0.0	-0.1	-0.2	-0.2	-0.1	-0.2	-0.2	-0.1	0.1	0.1	0.1	0.0	0.4	0.7	0.5	0.4	0.3	1.1	1.2	0.9	1.2	1.1	1.0	0.3
19	0.9	1.0	0.6	0.6	0.6	1.0	1.4	1.0	0.8	0.7	0.6	0.3	0.4	0.4	0.6	0.7	0.8	0.5	1.0	0.8	1.0	0.7	0.4	0.3	0.7
20	0.0	0.2	0.9	0.4	0.0	0.0	0.0	0.0	0.2	0.1	0.3	0.3	0.5	0.3	0.0	-0.1	-0.2	-0.1	-0.3	-0.3	-0.3	-0.3	-0.3	-0.2	0.0
21	-0.3	-0.5	-0.4	-0.4	-0.3	-0.3	-0.2	0.0	0.1	-0.1	0.2	0.0	0.2	0.2	0.2	0.1	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
22	0.1	0.0	0.0	0.0	-0.1	0.0	0.3	0.2	0.5	0.6	0.5	0.2	0.4	0.5	0.6	0.5	0.4	0.3	0.4	0.8	0.4	0.8	1.0	0.2	0.3
23	-0.2	-0.1	0.0	-0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.6	0.6	0.5	0.7	0.7	0.4	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.2
24	0.0	0.0	0.1	0.1	0.2	0.3	0.2	0.1	0.2	0.7	0.5	0.5	0.4	0.7	0.5	0.5	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.2
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.6	0.9	1.0	0.6	0.5	0.1	0.1	0.1	0.1	0.2
26	0.0	0.0	0.0	-0.2	-0.2	-0.1	-0.2	0.0	0.0	-0.1	-0.1	-0.2	0.1	0.1	0.0	0.1	0.4	0.6	0.6	0.6	0.4	0.4	0.5	0.5	0.1
27	0.5	0.5	0.4	0.6	0.5	0.5	0.2	0.4	0.3	0.7	1.1	0.7	0.7	0.8	0.5	0.3	0.2	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.4
28	0.0	-0.1	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.1	0.0	0.0	0.1	0.2	0.0	0.3	0.3	0.8	0.6	0.7	0.7	0.9	0.6	0.5	0.9	1.1	0.9	0.6	0.2	0.1	0.1	0.1	0.0	0.4
30	0.0	0.1	0.8	0.6	0.5	0.3	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	-0.3	-0.1	0.1	0.0	0.0	-0.2	0.0	0.0	0.0	0.1
31	0.0	0.0	0.3	0.5	0.6	0.7	0.7	0.6	0.7	0.9	0.8	0.5	0.3	0.8	0.9	1.2	0.9	0.8	0.8	0.7	0.1	0.5	0.4	----	0.6
AVG	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2
HOURS	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	743

TOTAL HOURS	= 744	TOTAL AVERAGE	= 0.2
NUMBER OF GOOD HOURS	= 743	HIGHEST HOURLY VALUE	= 1.4
NUMBER OF MISSING HOURS	= 1	2nd HIGH HOURLY VALUE	= 1.3
DATA CAPTURE (PERCENT)	= 99.9	MINIMUM REPORTED VALUE	= -1.1
STANDARD DEVIATION	= 0.4		

NOTE: MISSING VALUE INDICATOR IS----

DATA VALIDATED BY ENSR

ENSR | AECOM

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:SOUTHEAST FENCELINE SDs (DEG)

DATA FOR DEC 2006
RUN DATE:01/09/07

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		18.1	15.8	13.2	10.8	12.1	11.9	14.2	11.4	12.1	11.7	10.6	10.4	9.0	12.5	14.6	16.5	16.1	17.4	16.4	12.5	6.8	7.8	8.8	11.9	12.6
2		8.6	8.2	9.7	11.1	10.1	11.5	10.9	11.4	11.2	9.5	9.5	11.9	11.0	13.7	11.7	11.5	18.1	7.7	15.3	34.4	50.4	85.0	89.6	86.7	23.3
3		57.8	21.2	6.8	11.6	11.1	8.1	9.2	14.3	18.3	32.2	19.9	22.5	19.8	12.5	19.0	25.1	20.7	11.2	21.2	20.1	26.9	28.5	10.6	16.4	19.4
4		8.1	8.1	26.8	15.7	13.8	8.7	17.7	11.5	10.6	9.0	14.4	10.5	12.6	14.3	12.4	11.6	14.1	11.9	11.7	6.8	9.3	8.1	13.8	21.4	12.6
5		28.1	38.5	16.5	6.7	16.1	6.4	8.2	9.9	13.7	11.0	17.4	14.1	13.2	18.6	20.3	34.6	33.1	34.4	9.8	35.8	27.5	52.5	45.6	12.5	21.9
6		16.9	21.9	13.1	57.3	27.1	9.8	14.1	9.3	17.2	18.1	19.6	19.1	19.4	15.8	11.6	10.9	9.2	11.2	10.1	10.4	14.3	17.9	18.1	18.0	17.1
7		19.1	18.7	18.1	20.4	37.8	19.9	22.1	11.6	23.0	30.6	6.8	33.6	10.1	9.0	9.5	6.8	8.3	8.1	7.9	7.0	7.7	10.1	9.0	7.9	15.1
8		8.7	9.3	8.9	12.6	11.1	9.7	9.2	11.5	10.4	9.0	9.0	10.4	10.4	11.9	14.7	12.0	9.3	11.1	10.0	9.3	9.0	8.8	10.0	14.1	10.4
9		14.3	15.5	9.5	8.3	17.7	13.1	10.4	17.0	25.8	19.7	20.1	29.3	26.9	11.4	21.3	20.3	19.6	17.9	12.6	14.4	13.3	14.8	15.5	21.8	17.1
10		14.8	12.2	19.6	18.7	13.3	15.5	13.6	20.1	26.0	23.4	7.0	6.5	10.3	6.1	6.0	10.3	16.8	17.0	10.8	12.6	13.7	11.7	28.0	21.9	14.8
11		25.4	56.5	38.3	27.5	25.7	47.3	46.0	52.7	41.1	15.7	9.2	41.6	54.0	43.3	62.6	73.7	23.8	2.7	45.7	44.4	31.5	41.3	43.9	45.6	39.1
12		41.8	42.7	45.0	48.3	48.1	70.9	44.8	73.1	39.1	66.0	75.9	15.8	13.8	25.3	12.4	7.0	5.7	6.2	6.2	7.9	11.5	11.4	12.6	12.0	31.0
13		13.7	12.5	48.8	27.4	44.3	21.0	27.3	23.4	15.0	21.3	17.6	18.1	9.8	16.5	16.9	11.9	16.1	11.2	9.2	12.5	11.2	9.0	6.6	9.9	18.0
14		12.8	14.6	15.4	19.6	16.1	15.9	20.9	23.0	20.5	17.5	4.5	7.6	9.8	14.7	20.4	17.2	11.7	10.3	8.1	8.9	35.8	12.8	24.9	21.0	16.0
15		14.3	10.8	20.8	36.9	11.7	11.0	13.7	16.6	28.0	7.8	9.3	18.6	26.2	11.5	6.6	7.9	12.6	20.7	13.6	11.9	14.7	9.0	7.1	8.2	14.6
16		8.2	22.6	55.8	49.6	40.8	27.0	9.7	8.3	9.4	10.0	13.2	13.6	24.8	50.4	13.6	49.8	6.7	63.6	22.9	17.5	38.9	26.4	11.4	11.6	25.2
17		15.5	13.8	13.1	12.8	17.9	15.0	19.4	13.1	18.3	22.0	24.6	8.7	8.7	8.8	9.7	11.0	8.7	8.8	8.3	7.2	8.8	12.2	12.7	17.9	13.2
18		11.7	9.3	10.8	9.9	10.4	11.5	12.8	10.6	13.8	13.0	7.9	4.9	17.5	17.1	12.0	9.3	9.3	7.7	26.3	21.5	17.6	45.7	35.2	26.8	15.5
19		31.7	57.5	68.6	79.1	76.3	57.7	13.0	23.1	32.2	29.7	8.1	15.9	40.5	12.2	11.1	30.1	35.5	27.4	15.3	18.1	37.4	56.0	73.7	74.7	38.5
20		47.3	19.7	5.7	47.0	19.7	13.9	21.9	43.2	11.9	24.3	17.1	7.3	7.7	10.9	14.1	27.6	18.5	10.4	9.8	12.1	16.1	20.5	18.3	15.3	19.2
21		13.5	11.5	17.0	16.9	19.9	14.2	21.0	23.8	25.8	34.7	22.5	44.5	32.8	12.5	19.6	27.4	7.2	10.5	21.4	21.4	40.5	38.5	40.0	24.9	23.4
22		50.5	53.4	48.1	20.1	15.4	22.6	11.5	12.1	10.3	14.9	11.5	28.7	8.6	10.1	13.9	16.6	13.5	12.0	10.4	6.1	8.8	6.8	6.5	17.4	17.9
23		21.3	14.6	16.0	17.1	28.0	14.2	6.7	7.6	42.6	24.8	13.8	11.4	13.8	13.5	9.0	8.8	9.2	9.4	22.4	14.9	21.8	61.0	31.7	24.2	19.1
24		27.8	51.5	49.4	16.9	14.3	20.2	12.1	9.2	13.0	11.1	14.3	20.8	17.7	8.6	11.5	23.1	15.0	6.0	11.2	8.8	17.6	44.6	47.8	47.9	21.7
25		59.7	9.3	16.4	16.9	19.6	41.7	36.2	44.3	56.5	40.2	53.2	55.1	16.5	28.5	36.7	16.5	14.9	8.9	20.3	40.7	53.8	19.8	8.8	9.0	30.1
26		22.3	38.2	20.7	27.3	16.6	20.4	21.0	17.2	28.9	19.7	23.5	24.2	25.9	57.7	53.8	24.5	16.8	7.9	8.6	8.6	10.1	9.3	8.1	8.8	21.7
27		8.2	8.8	10.3	11.1	17.4	13.2	9.8	9.3	12.2	12.5	9.4	10.6	12.7	13.0	16.8	14.4	12.7	7.9	12.7	9.0	18.8	13.9	28.5	11.1	12.7
28		14.1	14.8	16.5	12.2	14.9	18.7	21.9	34.2	18.3	17.6	11.5	14.6	10.8	9.3	12.6	29.3	40.1	40.1	35.1	32.5	47.7	64.6	37.7	37.9	25.3
29		49.9	40.5	48.5	63.2	74.5	38.8	39.9	73.5	26.4	76.5	68.1	72.1	47.1	40.2	58.4	43.2	8.2	5.1	16.4	49.2	41.9	20.3	10.1	10.6	42.6
30		48.3	38.0	49.8	24.6	30.7	52.7	49.4	37.8	48.2	28.0	12.4	5.9	4.9	6.4	8.2	6.1	9.2	19.1	24.2	14.2	37.8	64.6	43.8	45.5	29.6
31		23.2	43.7	82.7	77.5	40.5	21.8	6.4	13.2	11.4	11.9	13.0	20.4	15.5	16.0	11.4	8.9	7.2	6.5	9.0	9.8	12.2	8.6	8.8	----	20.8
AVG		24.4	24.3	27.1	26.9	24.9	22.1	19.2	22.5	22.3	22.4	18.5	20.3	18.1	17.8	18.5	20.1	15.1	14.5	15.6	17.4	23.0	27.2	24.8	23.8	21.3
HOURS		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	743

TOTAL HOURS	= 744	TOTAL AVERAGE	= 21.3
NUMBER OF GOOD HOURS	= 743	HIGHEST HOURLY VALUE	= 89.6
NUMBER OF MISSING HOURS	= 1	2nd HIGH HOURLY VALUE	= 86.7
DATA CAPTURE (PERCENT)	= 99.9	MINIMUM REPORTED VALUE	= 2.7
STANDARD DEVIATION	= 15.9		

NOTE: MISSING VALUE INDICATOR IS----

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

ENSR | AECOM

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION: SOUTHEAST FENCELINE SW (%FR)

DATA FOR DEC 2006
RUN DATE: 01/09/07

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	1.5	1.4	1.1	1.0	1.3	1.2	1.4	1.3	1.1	1.4	1.9	1.8	1.9	2.9	3.1	3.5	2.9	2.5	2.1	1.4	1.6	1.7	1.8	2.1	1.8
2	1.6	1.5	1.2	1.0	1.2	1.0	0.8	1.2	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.0	0.7	0.9	1.0	0.9	0.8	0.7	0.7	1.1
3	0.9	0.7	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.8	0.8	0.4	0.7	0.6	0.6	0.6	0.3	0.4	0.3	0.3	0.6
4	0.4	0.6	1.2	1.7	1.7	1.5	1.9	1.7	1.8	1.9	1.8	1.7	1.8	1.6	1.3	1.2	1.1	0.9	0.3	0.2	0.1	0.1	0.3	0.8	1.1
5	0.5	0.5	0.5	0.4	0.7	0.6	0.7	0.3	0.4	1.0	1.2	1.2	1.0	1.2	1.0	1.1	0.8	0.6	0.6	0.6	0.7	0.4	0.5	0.6	0.7
6	0.5	0.3	0.4	0.3	0.4	0.8	0.7	1.0	1.4	1.8	2.1	2.5	2.2	2.0	1.7	1.7	1.2	0.9	1.1	1.3	1.5	1.7	1.9	2.0	1.3
7	1.7	1.4	1.4	1.1	0.4	0.4	0.4	0.6	0.8	0.9	0.6	1.3	1.6	1.7	1.6	1.8	1.6	1.7	2.0	2.1	2.1	2.5	2.1	1.9	1.4
8	1.8	1.4	1.4	1.6	1.5	1.4	1.4	1.3	1.4	1.7	1.6	1.8	2.0	1.9	1.7	1.4	1.3	1.1	1.2	1.0	1.2	0.9	0.9	0.6	1.4
9	0.3	0.2	0.3	0.5	0.8	0.3	0.3	0.7	1.0	1.1	1.3	1.2	1.3	1.0	1.4	1.3	0.9	1.1	0.7	0.7	0.7	0.8	0.6	0.7	0.8
10	0.6	0.8	0.6	0.5	0.1	0.3	0.6	0.4	0.7	0.7	0.5	0.5	0.6	0.5	0.6	0.7	0.9	0.7	0.4	0.5	0.3	0.5	0.3	0.2	0.5
11	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.5	1.1	0.8	0.6	0.6	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3
12	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.4	0.3	0.4	0.3	0.6	0.5	0.6	0.4	0.5	0.6	0.6	0.8	0.6	0.6	0.4
13	0.5	0.4	0.4	0.1	0.1	0.1	0.5	0.4	0.4	0.7	0.7	0.7	0.7	0.8	1.0	0.7	0.8	0.6	0.7	0.8	0.6	0.4	0.4	0.3	0.5
14	0.6	0.6	0.4	0.6	0.7	0.6	0.4	0.7	0.8	0.6	0.5	0.5	0.7	0.8	0.6	0.8	0.8	0.6	0.3	0.3	0.1	0.5	0.4	0.4	0.5
15	0.2	0.6	0.8	0.2	0.4	0.9	1.0	0.8	0.5	0.5	0.7	0.8	0.3	0.3	0.4	0.5	0.6	0.4	0.2	0.3	0.5	0.9	0.8	1.1	0.6
16	1.1	0.9	0.8	0.7	0.8	1.1	1.0	0.6	0.7	0.9	1.1	1.1	1.2	0.9	0.7	0.6	0.2	0.2	0.2	0.1	0.2	0.2	0.4	0.3	0.7
17	0.4	0.1	0.2	0.4	0.5	0.3	0.4	0.7	0.8	0.8	1.0	0.7	0.7	0.5	0.5	0.6	0.5	0.3	0.2	0.2	0.9	1.0	0.6	0.4	0.5
18	0.2	0.3	0.5	0.5	0.6	0.5	0.6	0.5	0.7	0.6	0.6	0.3	0.8	1.3	1.4	1.1	0.9	0.8	1.5	1.5	1.5	1.4	1.3	1.2	0.9
19	1.3	1.2	0.9	0.9	0.7	0.7	0.5	0.4	0.4	0.4	0.5	0.5	1.0	1.2	1.2	1.3	1.3	0.9	1.1	1.2	1.1	1.1	0.8	0.5	0.9
20	0.4	0.4	0.4	0.5	0.2	0.2	0.1	0.3	0.5	0.5	0.7	0.5	0.8	0.7	0.9	1.1	1.0	0.5	0.9	0.9	1.0	0.9	0.9	0.8	0.6
21	0.9	1.0	1.2	1.0	0.9	0.8	0.8	0.8	0.8	0.6	0.4	0.9	0.5	0.8	0.9	0.4	0.3	0.4	0.5	0.7	0.3	0.2	0.2	0.2	0.6
22	0.3	0.1	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.6	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.7	0.8	0.5	0.6	0.8	0.4
23	0.8	0.5	0.2	0.4	0.2	0.2	0.4	0.3	0.1	0.3	1.0	1.4	1.4	1.1	0.4	1.3	0.8	0.3	0.2	0.3	0.5	0.3	0.3	0.3	0.6
24	0.3	0.6	0.7	0.9	0.7	0.8	0.6	0.4	0.8	1.4	1.4	1.4	1.1	1.4	1.2	1.1	0.8	0.4	0.4	0.1	0.1	0.2	0.1	0.1	0.7
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.5	0.3	0.4	0.8	0.8	0.8	0.7	0.7	0.3	0.4	0.3	0.4	0.3
26	0.4	0.5	0.2	0.5	0.6	0.5	1.4	1.1	0.6	0.5	1.0	1.2	0.8	0.6	0.3	0.6	1.1	1.4	1.3	1.3	1.2	1.3	1.1	1.3	0.9
27	1.1	1.1	1.1	1.2	1.5	1.1	0.9	1.1	0.9	1.5	2.0	1.7	1.4	1.5	1.5	1.1	0.8	0.2	0.3	0.2	0.2	0.2	0.2	0.3	1.0
28	0.1	0.2	0.2	0.1	0.4	0.2	0.1	0.2	0.2	0.3	0.6	0.9	0.7	0.4	0.4	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
29	0.2	0.1	0.1	0.2	0.3	0.2	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.6	0.3	0.4	0.6	0.4	0.3	0.4
30	0.2	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.3	0.7	0.7	0.7	0.4	0.5	0.2	0.2	0.5	0.1	0.1	0.1	0.4
31	0.1	0.2	0.4	0.4	0.3	0.3	0.4	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.7	0.4	0.4	0.4	----	0.5
AVG	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.9	1.0	1.0	1.0	1.0	1.0	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.7
HOURS	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	743

TOTAL HOURS	= 744	TOTAL AVERAGE	= 0.7
NUMBER OF GOOD HOURS	= 743	HIGHEST HOURLY VALUE	= 3.5
NUMBER OF MISSING HOURS	= 1	2nd HIGH HOURLY VALUE	= 3.1
DATA CAPTURE (PERCENT)	= 99.9	MINIMUM REPORTED VALUE	= 0.1
STANDARD DEVIATION	= 0.5		

NOTE: MISSING VALUE INDICATOR IS----

DATA VALIDATED BY
ENSR

ENSR | AECOM

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:SOUTHEAST FENCELINE TMP2m (DEGF)

DATA FOR DEC 2006
RUN DATE:01/09/07

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
	HOURS(EST)																								
1	63.3	63.2	62.5	61.1	61.7	62.3	63.1	63.8	62.7	64.2	66.1	66.1	67.1	71.1	72.0	72.4	72.0	71.0	70.7	69.3	63.2	54.9	52.1	49.7	64.4
2	46.8	44.7	43.8	42.8	42.4	41.5	40.9	40.9	41.6	43.2	43.2	45.0	46.9	47.5	47.8	47.3	46.4	44.2	43.7	44.2	44.1	41.6	41.5	40.2	43.8
3	39.5	38.0	37.1	35.9	35.4	34.7	34.2	33.9	35.7	37.7	39.8	40.6	42.1	42.4	42.4	43.7	42.0	41.7	43.2	42.1	40.1	40.5	40.2	39.9	39.3
4	40.1	40.0	40.2	40.0	39.5	37.3	35.4	31.9	30.7	30.8	30.6	32.1	32.4	33.0	33.7	37.1	34.9	33.7	33.2	32.6	33.4	32.4	31.9	32.1	34.5
5	32.6	31.6	30.3	29.5	29.6	28.5	28.8	28.6	30.9	33.3	35.1	36.8	38.6	38.0	37.5	36.8	36.1	34.7	33.2	32.0	33.1	30.7	30.1	29.6	32.7
6	29.0	28.8	27.0	26.0	28.3	31.6	32.6	32.5	33.4	35.3	39.2	42.7	45.0	51.4	53.7	53.6	51.9	50.9	50.1	50.6	50.6	50.9	50.9	51.1	41.6
7	51.4	51.2	49.8	49.1	47.0	44.7	44.5	44.7	45.6	47.5	48.8	53.5	52.4	49.9	48.7	43.9	41.1	38.6	36.5	33.4	32.3	29.0	26.5	25.7	43.2
8	24.2	22.9	22.1	21.3	21.4	23.7	24.6	24.0	24.7	26.4	29.2	31.5	33.6	34.4	33.5	32.3	32.6	30.8	29.6	28.7	27.1	25.2	24.7	23.8	27.2
9	23.1	22.2	22.7	21.7	22.5	21.7	20.8	21.4	23.1	25.2	27.0	30.4	34.7	36.7	37.7	38.9	38.0	37.8	38.0	36.9	35.7	35.2	33.7	33.8	30.0
10	32.7	32.2	31.4	30.3	28.6	28.3	30.8	29.7	32.1	37.2	41.1	45.1	49.9	53.0	54.7	55.0	55.3	53.0	50.0	48.6	45.9	44.6	40.8	39.6	41.2
11	39.3	37.8	37.1	37.8	37.7	36.8	37.8	37.8	40.9	43.0	48.1	53.7	57.4	59.4	59.1	59.0	58.7	57.5	53.1	49.6	47.4	46.0	43.4	42.4	46.7
12	42.1	40.9	40.3	39.5	39.8	39.3	39.8	40.9	42.3	44.9	48.8	53.0	55.3	56.0	55.5	54.6	53.4	51.7	50.0	48.9	47.8	47.8	48.3	48.4	47.1
13	47.8	48.0	47.5	48.1	47.5	46.8	46.3	46.3	47.8	47.6	47.6	48.2	48.5	50.5	53.1	53.5	54.8	53.8	52.6	52.5	49.3	49.4	48.6	47.2	49.3
14	47.3	46.8	45.2	45.5	43.9	42.8	42.7	42.8	42.5	43.3	43.4	44.5	47.4	52.5	57.2	59.2	58.2	56.0	54.0	50.9	48.3	48.3	46.3	46.7	48.2
15	45.5	45.6	47.6	44.5	45.5	46.1	46.1	45.7	46.1	47.6	49.9	53.2	54.3	55.0	55.8	56.9	56.5	55.5	54.2	54.0	54.0	55.3	55.0	54.4	51.0
16	53.2	51.4	48.6	47.1	46.1	45.0	44.6	43.4	43.9	44.4	46.9	48.8	50.4	51.6	52.2	51.9	50.4	48.8	45.8	43.4	42.7	41.5	41.6	40.4	46.8
17	40.5	38.8	38.3	38.8	39.1	37.5	37.2	39.3	41.1	44.1	46.2	48.5	52.1	54.9	55.9	58.4	60.8	59.9	55.8	54.0	55.1	55.2	54.0	51.8	48.2
18	50.8	51.9	50.6	49.9	49.6	48.4	49.1	48.6	50.0	52.1	54.2	56.8	62.5	70.2	71.0	69.5	67.6	65.2	61.0	57.1	55.7	54.9	53.5	52.1	56.3
19	50.5	49.1	47.6	47.4	46.6	44.9	43.6	42.7	42.5	43.4	44.6	45.5	46.7	47.9	49.3	49.2	47.7	46.4	45.7	43.7	41.9	40.4	39.3	38.0	45.2
20	36.9	36.0	35.9	35.1	33.4	32.9	32.6	32.3	35.5	38.8	41.9	43.0	43.7	44.6	44.9	46.5	45.7	43.8	43.1	41.7	39.7	39.2	39.1	40.1	39.4
21	39.8	39.6	39.7	40.4	40.4	40.1	40.4	40.9	41.5	41.8	42.0	41.9	42.4	43.7	44.1	45.0	44.5	44.2	44.8	44.9	44.8	45.0	43.7	44.1	42.5
22	44.5	45.0	45.6	46.0	46.0	45.1	44.9	44.5	44.8	44.8	45.1	44.9	45.5	46.2	46.8	47.1	47.8	48.3	49.7	51.3	52.4	51.7	52.8	54.3	47.3
23	55.1	55.3	54.8	54.1	53.9	53.9	51.9	50.4	49.8	51.1	53.2	55.1	56.1	57.3	58.0	57.3	55.3	54.7	53.7	52.7	51.4	48.8	47.4	47.0	53.3
24	44.2	44.8	45.4	45.0	44.4	45.0	44.7	43.9	44.9	48.2	49.4	50.1	51.7	52.6	52.6	53.0	51.5	49.3	46.9	45.2	41.9	40.4	39.1	38.8	46.4
25	37.3	38.0	39.1	39.3	38.6	39.1	39.2	39.8	41.1	42.2	43.0	43.9	44.1	43.9	44.7	45.6	45.5	46.5	47.0	48.4	49.4	50.1	49.7	48.4	43.5
26	46.8	45.8	45.9	46.3	46.3	46.3	47.3	48.1	49.0	49.5	50.7	52.6	52.4	53.6	52.7	50.5	50.9	51.1	49.1	47.0	46.3	45.5	44.7	44.5	48.4
27	44.2	43.7	43.5	42.9	42.4	41.9	41.6	41.4	41.6	42.2	43.2	43.4	44.8	46.3	46.3	47.4	47.0	44.7	43.7	42.2	40.9	41.6	40.9	39.3	43.2
28	37.1	36.1	35.9	34.1	35.8	35.7	35.3	35.3	36.8	39.7	42.7	46.3	48.0	48.4	49.0	50.1	48.5	47.6	46.4	46.1	45.9	44.7	44.4	43.4	42.2
29	43.4	41.5	40.4	39.5	39.3	38.5	37.7	38.0	39.5	40.3	43.2	47.7	49.4	50.9	52.1	51.6	50.2	48.2	46.7	45.8	44.5	43.6	43.2	42.7	44.1
30	41.0	40.0	39.0	38.4	38.0	38.8	38.8	39.1	39.7	40.3	40.5	40.4	41.4	43.3	46.0	47.8	48.1	50.0	47.1	46.8	45.8	43.4	43.3	42.0	42.5
31	41.6	40.3	43.3	43.2	42.2	41.5	40.4	40.2	40.5	41.9	43.3	44.5	46.5	46.8	47.6	47.8	46.4	46.0	45.2	45.8	46.2	46.5	46.0	----	44.1
AVG	42.3	41.6	41.2	40.7	40.4	40.0	39.9	39.8	40.7	42.3	44.1	46.1	47.8	49.4	50.2	50.4	49.7	48.6	47.2	46.1	45.1	44.0	43.1	42.4	44.3
HOURS	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	743

TOTAL HOURS	= 744	TOTAL AVERAGE	= 44.3
NUMBER OF GOOD HOURS	= 743	HIGHEST HOURLY VALUE	= 72.4
NUMBER OF MISSING HOURS	= 1	2nd HIGH HOURLY VALUE	= 72.0
DATA CAPTURE (PERCENT)	= 99.9	MINIMUM REPORTED VALUE	= 20.8
STANDARD DEVIATION	= 8.9		

NOTE: MISSING VALUE INDICATOR IS----

DATA VALIDATED BY
ENSR

ENSR | AECOM

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:SOUTHEAST FENCELINE DT2M (DEGF)

DATA FOR DEC 2006
RUN DATE:01/09/07

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	0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.0	0.0	0.1	0.0	-0.1	0.2	0.1	0.1	0.2	0.2	0.3	0.6	0.5	0.2	0.2	0.2	0.2
2	0.2	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.3	0.0	-0.2	-0.3	-0.4	-0.4	-0.5	-0.2	0.2	0.4	0.3	0.2	0.3	0.4	0.4	0.3	0.1
3	0.6	1.0	0.9	1.0	1.3	1.5	1.5	1.3	0.2	-0.1	-1.0	-0.6	-1.1	-0.8	-0.4	-0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3
4	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.0	-0.2	-0.3	-0.4	-0.4	-0.3	-0.2	0.1	0.3	0.4	0.5	0.6	0.6	0.4	0.3	0.1
5	0.2	0.3	0.6	0.6	0.6	0.7	0.5	0.4	0.4	0.1	-0.1	-0.2	-0.2	-0.4	-0.3	-0.1	0.3	0.5	0.7	1.2	1.7	1.5	2.3	2.4	0.6
6	1.9	1.8	3.3	2.2	2.3	0.6	0.5	0.3	0.2	0.2	0.0	-0.1	-0.3	-0.1	-0.2	-0.1	0.3	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.6
7	0.2	0.2	0.2	0.2	1.5	2.3	1.4	0.6	0.5	-0.1	-1.2	-0.3	-0.2	-0.3	-0.1	0.0	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.0	-0.1	-0.2	-0.3	-0.4	-0.2	-0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.1
9	0.5	0.9	0.4	0.3	0.3	0.5	0.6	0.3	0.1	0.0	0.0	-0.2	-0.4	-1.0	0.2	0.1	0.2	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.2
10	0.6	0.4	0.9	1.5	1.8	2.3	1.0	1.3	0.5	-0.4	-1.8	-1.8	-1.1	-0.3	0.3	0.5	0.3	1.7	1.4	2.1	3.0	2.2	2.4	2.3	0.9
11	2.1	2.3	1.6	1.5	1.3	1.8	1.1	1.4	0.6	-1.4	-1.3	-0.9	-0.2	-0.5	0.1	0.1	1.0	1.1	3.5	2.9	2.7	3.0	2.8	2.4	1.2
12	1.6	2.4	2.3	1.2	2.1	1.3	1.0	1.0	0.8	0.2	-0.2	-1.0	-1.6	-1.4	0.1	0.6	1.1	1.3	1.5	1.0	1.3	0.6	0.7	0.2	0.7
13	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.0	0.1	-0.6	0.2	0.6	1.3	0.8	0.4	0.3	1.5	1.0	0.5	0.7	0.3
14	0.4	0.4	0.9	0.3	0.1	0.1	0.1	0.1	0.0	-0.4	-0.7	-0.9	-0.9	-1.4	0.7	0.4	0.6	0.8	0.9	1.3	1.7	0.5	1.3	1.4	0.3
15	2.2	1.9	0.5	1.2	0.8	0.5	0.3	0.4	0.3	-0.5	-0.6	-0.2	0.1	0.0	0.3	0.4	0.7	1.5	2.6	1.6	1.6	1.0	1.1	0.9	0.8
16	0.8	0.9	0.8	0.9	0.9	0.8	0.6	0.7	0.4	0.2	-0.1	-0.2	-0.3	-0.5	-0.1	-0.1	0.6	0.9	2.0	1.2	1.1	1.1	0.7	0.8	0.6
17	0.9	1.1	0.9	0.7	1.4	2.1	1.7	1.1	0.2	0.2	-0.2	-0.7	-0.5	-0.5	1.3	2.2	0.6	1.0	4.0	3.4	0.8	0.7	1.1	1.9	1.0
18	2.6	1.5	2.2	1.8	0.7	1.3	1.2	0.9	0.3	-0.1	-0.5	-0.8	-0.4	0.1	0.2	0.2	0.6	0.7	0.5	0.3	0.3	0.3	0.3	0.2	0.6
19	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.2	-0.1	-0.8	-1.5	-2.2	-0.7	-0.6	-0.2	-0.2	0.2	0.5	0.5	0.4	0.4	0.4	0.4	0.8	0.0
20	0.9	1.9	2.0	1.6	1.2	0.8	1.1	2.0	0.6	0.1	-0.7	-1.6	-1.5	-1.3	-0.2	0.1	0.2	0.6	0.3	0.3	0.3	0.3	0.3	0.2	0.4
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.0	-0.1	-0.1	-0.6	-0.2	-0.1	0.0	0.1	0.2	0.2	0.2	0.4	0.7	1.4	0.6	0.2
22	0.6	0.4	0.5	0.3	0.2	0.6	0.6	0.4	0.3	-0.2	-0.3	-0.3	-0.3	-0.2	0.1	0.1	0.3	0.7	0.8	0.5	-0.7	0.5	0.1	-0.3	0.2
23	-0.5	-0.3	0.0	0.1	0.5	0.1	-0.1	-0.3	-0.6	-0.9	-0.5	0.0	-0.1	-0.1	0.2	0.1	0.6	0.9	2.3	1.6	1.4	1.7	1.7	1.4	0.4
24	1.8	1.6	1.0	0.7	0.8	0.7	1.0	0.9	0.7	0.3	0.1	0.0	-0.2	-0.2	0.0	-0.1	0.4	0.9	1.3	1.3	2.8	2.4	2.8	1.9	1.0
25	2.7	2.4	1.4	0.7	1.2	1.1	0.8	0.9	0.5	0.1	0.0	-0.2	0.2	-0.1	0.0	0.2	0.1	0.2	0.1	0.2	-0.1	-0.1	-0.1	-0.2	0.5
26	-0.5	-0.4	-0.4	-0.4	-0.3	-0.2	-0.1	-0.2	0.1	0.0	0.0	0.0	-0.1	0.0	0.1	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.0
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.0	-0.2	-0.3	0.0	-0.1	0.3	1.3	0.8	1.6	2.3	1.7	1.3	2.0	0.6
28	1.5	1.3	0.7	1.4	1.0	0.7	1.2	1.1	0.3	-0.6	-1.1	-0.6	-0.7	-0.5	-0.1	0.2	1.0	1.8	2.1	1.3	1.3	1.4	1.3	0.9	0.7
29	0.8	1.3	1.9	1.6	0.6	0.8	1.3	0.8	0.6	0.1	-0.1	-0.7	-1.6	-1.5	-0.9	-0.4	1.7	2.0	2.0	1.3	1.4	1.5	1.0	0.7	0.7
30	1.8	1.2	1.0	1.0	0.6	0.2	0.2	0.1	0.0	-0.3	-0.6	-0.8	-1.1	-0.9	-2.3	-1.8	0.7	0.9	1.7	1.4	1.3	1.6	1.8	1.8	0.4
31	1.1	2.7	1.1	1.0	1.2	1.2	1.3	1.0	0.4	-0.4	-1.2	-1.5	-1.8	-1.3	-0.9	-0.3	0.0	0.1	0.1	0.1	0.2	0.2	0.2	----	0.2
AVG	0.8	0.9	0.8	0.7	0.8	0.8	0.7	0.6	0.3	-0.1	-0.4	-0.5	-0.5	-0.5	-0.1	0.1	0.5	0.7	1.0	0.9	1.0	0.9	0.9	0.8	0.5
HOURS	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	743

TOTAL HOURS	= 744	TOTAL AVERAGE	= 0.5
NUMBER OF GOOD HOURS	= 743	HIGHEST HOURLY VALUE	= 4.0
NUMBER OF MISSING HOURS	= 1	2nd HIGH HOURLY VALUE	= 3.5
DATA CAPTURE (PERCENT)	= 99.9	MINIMUM REPORTED VALUE	= -2.3
STANDARD DEVIATION	= 0.9		

NOTE: MISSING VALUE INDICATOR IS----

****
* DATA VALIDATED BY *
* ENSR *
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ENSR | AECOM

MONTHLY SUMMARY REPORT

MIRANT POTOMAC

LOCATION:SOUTHEAST FENCELINE RTMP (DEGF)

DATA FOR DEC 2006
RUN DATE:01/11/07

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
	HOURS(EST)																								
1	72.4	72.0	72.2	71.9	71.9	72.4	72.1	72.0	72.4	71.9	72.1	72.1	72.0	73.1	73.8	74.6	73.8	74.1	73.7	73.1	72.2	72.5	73.5	73.2	72.7
2	72.0	70.7	69.5	68.4	67.4	66.5	65.4	64.5	64.1	64.7	66.2	68.9	71.0	72.1	73.3	72.6	71.5	70.8	70.3	69.6	68.8	68.0	67.2	66.4	68.7
3	65.5	64.5	63.7	63.0	62.2	61.2	60.4	59.7	59.4	60.4	62.5	64.3	66.2	67.7	68.7	69.2	68.7	68.0	67.3	66.7	66.3	65.9	65.9	65.9	64.7
4	66.0	66.0	65.8	65.4	65.0	64.3	63.1	61.4	60.2	59.9	61.0	62.9	65.0	67.5	69.3	69.8	68.1	64.8	62.2	60.4	58.7	57.5	56.4	55.6	63.2
5	55.2	55.5	55.2	54.5	53.9	53.2	52.7	----	----	----	60.7	67.5	69.1	69.4	70.2	69.5	69.6	69.1	68.5	68.3	67.9	67.8	67.6	67.6	63.5
6	67.3	67.3	67.2	67.0	67.0	67.0	67.1	67.2	67.4	68.4	69.2	69.9	71.1	70.9	70.8	70.6	71.1	70.7	70.1	69.3	69.8	69.9	69.2	69.6	68.9
7	69.8	69.4	69.0	69.4	69.9	68.5	68.3	68.3	67.9	69.3	70.4	70.3	70.9	71.2	71.7	70.4	71.4	69.2	67.6	68.2	67.9	67.6	66.9	66.8	69.2
8	66.4	66.2	65.9	65.7	65.6	65.4	65.5	65.3	65.8	65.8	67.0	68.4	69.6	70.2	70.9	71.1	68.8	68.2	67.2	66.8	66.5	66.2	65.8	66.0	67.1
9	65.7	65.6	65.3	65.0	64.9	64.9	64.8	64.8	64.9	65.4	66.1	67.2	68.9	69.4	70.8	71.3	70.7	69.3	67.7	68.3	68.0	67.6	67.5	67.6	67.2
10	67.3	66.9	67.0	67.0	66.7	66.7	66.5	66.7	66.7	67.6	68.9	70.8	70.4	70.6	70.4	70.8	70.3	71.2	70.7	69.3	68.3	68.3	67.5	67.6	68.5
11	67.6	68.2	67.9	68.2	68.0	68.1	68.0	68.1	68.3	69.0	70.4	70.6	70.9	72.3	74.3	75.1	72.8	70.4	70.7	71.0	70.3	69.3	69.0	68.1	69.9
12	67.9	67.6	67.6	68.2	68.0	68.3	67.9	68.0	68.0	68.1	69.6	70.7	70.3	70.3	71.3	70.2	69.4	69.9	70.6	70.1	69.7	69.9	69.7	70.2	69.2
13	70.2	70.3	70.3	70.4	70.6	70.4	69.9	69.6	68.4	68.6	68.9	69.6	70.3	69.2	69.4	69.8	69.5	69.6	69.4	70.1	69.9	69.3	68.3	69.0	69.6
14	69.1	69.2	69.0	68.9	69.0	69.1	67.8	68.1	68.7	69.0	69.3	69.8	69.9	69.7	70.3	70.3	70.5	69.1	69.5	70.3	70.3	69.4	68.1	67.8	69.3
15	68.5	67.6	68.4	68.8	68.5	67.3	68.2	68.7	67.7	68.7	69.6	69.3	69.3	69.5	69.4	69.7	69.5	69.3	69.4	69.0	69.9	69.9	69.3	70.1	69.0
16	70.4	70.2	69.5	67.9	68.1	68.0	68.5	68.5	68.1	68.5	69.9	69.1	69.2	69.7	69.6	69.3	69.4	69.3	69.7	68.6	68.8	68.8	67.5	68.3	69.0
17	68.2	66.7	67.7	68.0	68.0	67.9	67.9	67.8	68.2	68.9	69.7	69.0	69.3	69.1	69.1	68.8	68.5	68.5	68.7	68.7	69.2	69.3	69.3	70.4	68.6
18	69.3	70.1	70.2	70.0	69.8	69.4	68.7	68.7	68.4	69.7	68.0	68.7	69.7	71.8	71.8	72.3	72.4	70.8	69.9	70.1	69.3	69.4	69.6	69.0	69.9
19	69.5	70.4	70.8	70.8	70.5	70.1	68.9	68.8	69.4	68.8	70.1	69.1	69.5	69.5	69.3	69.9	69.7	70.5	69.6	68.1	69.0	68.5	68.3	68.2	69.5
20	67.9	67.5	67.6	67.3	67.5	67.1	66.9	66.9	67.0	67.8	68.1	69.5	69.0	68.6	70.0	69.0	69.5	69.6	68.3	67.5	67.6	67.8	68.1	68.5	68.1
21	67.1	67.9	68.2	68.4	67.6	67.7	68.5	68.7	68.5	69.0	68.4	68.7	69.3	69.0	69.3	69.3	69.4	68.7	68.7	68.5	69.5	69.5	68.7	68.9	68.7
22	68.6	69.1	69.3	69.5	69.5	69.3	68.7	69.2	69.2	68.6	69.2	69.4	69.4	69.4	69.5	69.5	69.6	69.8	70.2	69.9	69.3	69.3	69.3	69.2	69.3
23	68.9	69.2	69.3	69.0	69.1	69.4	69.1	69.5	69.3	69.3	68.8	70.0	70.3	70.8	71.7	72.0	71.4	69.6	69.4	70.0	69.9	69.4	68.1	68.6	69.7
24	68.7	68.2	68.1	68.1	68.1	68.0	68.0	68.0	68.1	68.9	68.9	69.2	69.2	70.4	70.7	69.9	70.4	69.5	69.6	68.0	68.5	68.3	68.0	68.0	68.8
25	67.6	67.6	67.4	67.6	67.6	67.9	68.0	68.2	67.6	68.1	68.5	69.0	67.8	69.1	68.3	68.5	68.1	68.4	68.9	69.2	69.1	68.5	69.1	69.3	68.3
26	68.5	68.8	68.5	68.3	68.1	67.6	67.3	68.0	68.8	69.0	69.5	69.7	69.2	69.4	68.9	70.2	67.0	68.9	69.0	68.4	68.5	68.9	68.2	68.4	68.6
27	67.8	67.3	68.3	68.4	67.5	68.4	66.9	66.7	66.8	67.0	67.3	68.6	69.3	69.4	69.2	70.1	69.2	69.1	68.0	67.4	67.7	67.7	67.6	67.8	68.1
28	67.6	67.3	67.4	67.1	67.0	67.0	67.1	67.1	66.7	67.4	68.0	69.1	69.5	69.2	69.1	69.4	70.3	70.0	69.3	68.5	68.9	68.3	68.0	68.4	68.2
29	68.7	67.5	67.9	66.9	67.7	67.7	67.6	67.5	67.7	68.1	68.6	69.7	69.0	69.3	70.0	69.9	69.7	69.5	69.3	68.3	68.4	67.4	68.3	68.5	68.5
30	67.0	67.6	67.6	67.8	67.6	67.8	67.6	67.8	67.3	68.5	68.2	68.8	69.0	69.5	70.0	69.8	69.8	69.3	69.4	68.6	68.2	67.5	68.5	67.6	68.4
31	68.0	67.1	67.8	68.1	68.1	67.9	67.8	67.8	67.7	68.1	68.0	69.0	69.6	69.3	69.5	69.9	70.3	69.8	69.1	68.6	68.4	68.4	68.9	----	68.6
AVG	67.9	67.7	67.7	67.6	67.4	67.2	66.9	67.4	67.3	67.7	68.1	69.0	69.5	69.9	70.3	70.4	70.0	69.5	69.1	68.7	68.5	68.3	68.0	68.0	68.4
HOURS	31	31	31	31	31	31	31	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	30	740

TOTAL HOURS	= 744	TOTAL AVERAGE	= 68.4
NUMBER OF GOOD HOURS	= 740	HIGHEST HOURLY VALUE	= 75.1
NUMBER OF MISSING HOURS	= 4	2nd HIGH HOURLY VALUE	= 74.6
DATA CAPTURE (PERCENT)	= 99.5	MINIMUM REPORTED VALUE	= 52.7
STANDARD DEVIATION	= 2.6		

NOTE: MISSING VALUE INDICATOR IS----

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* DATA VALIDATED BY *
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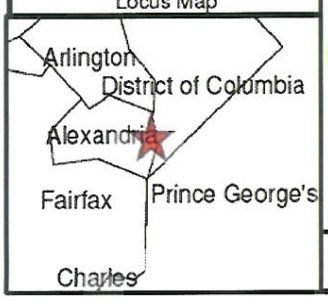
Appendix F

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

Appendix G

Quarterly Precision Reports

Third Quarter Precision Report

Fourth Quarter Precision Report

Precision checks are generally performed once every two weeks for each continuous SO_2 air quality measurement parameter for the purpose of quantifying the degree of variability in the accuracy of the data. A precision check is performed by generating a NIST-traceable test atmosphere containing approximately 0.080 to 0.100 ppm of SO_2, the pollutant being monitored. The test atmosphere is delivered to the analyzer through as much of the ambient air sample delivery system as possible. The accuracy of the analyzer's response to the precision test atmosphere is quantified as a percent difference ($\Delta\%$) as follows:

$$\Delta\% = \left[\frac{Analyzer\ response - Known\ input}{Known\ input} \right] x\,100$$

The quarterly mean and standard deviation of all $\Delta\%$ values for SO_2 are used to define the precision of that measurement during the quarter. In this analysis, it is assumed that the variability of the $\Delta\%$ values fits a normal distribution. On the basis of this assumption, it is expected that 95% of the data in that distribution will fall within 1.96 standard deviations on either side of the mean.

The precision is therefore reported as a 95% confidence interval, bounded by two percentage values. The interpretation is that for any randomly selected value within the data base represented, there is only a five percent probability that its accuracy is outside the boundaries defined as the upper and lower 95% confidence limits.

Precision Data Calculation Summary

Mirant Potomac

Third Quarter (June 2006 - September 2006)

SITE	PARAMETER	MONITORING INSTRUMENT	S/N	CALS	LCL	UCL
Marina Towers Central	SO2	TECO 43A	43A-28552-232	12	-12.07	3.92
Marina Towers South	SO2	TECO 43A	43A-24957-218	12	-4.54	8.98
Southeast	SO2	TECO 43A	43A-33418-244	7	-17.24	6.13
Northeast	SO2	TECO 43A	43A-29731-236	7	-8.06	24.25
North-Daingerfield	SO2	TECO 43A	43A-19597-185	3	-4.99	4.99
Southwest	SO2	TECO 43A	43A-24150-213	5	-6.25	12.92

Precision Data Calculations

Mirant Potomac
(June 2006 - September 2006)

Site: Marina Towers Central
Analyzer: TECO 43A

Par: SO2
S/N: 43A-28552-232

Date	Desig.	Obs.	Delta%
06/07/06	0.090	0.088	-2.2
06/22/06	0.090	0.088	-2.2
07/07/06	0.090	0.083	-7.8
07/18/06	0.090	0.087	-3.3
07/28/06	0.090	0.084	-6.7
08/10/06	0.090	0.085	-5.6
08/15/06	0.090	0.084	-6.7
08/21/06	0.090	0.084	-6.7
08/28/06	0.090	0.085	-5.6
09/05/06	0.090	0.081	-10.0
09/18/06	0.090	0.094	4.4
09/26/06	0.090	0.093	3.3

avg% =	**-4.07**	
Std Dev =	**4.08**	**12 cals**
***UCL =**	**3.92**	
***LCL =**	**-12.07**	

*UCL=UPPER 95% CONFIDENCE LIMIT
*LCL=LOWER 95% CONFIDENCE LIMIT

Precision Data Calculations

Mirant Potomac
(June 2006 - September 2006)

Site: Marina Towers South
Analyzer: TECO 43A

Par: SO2
S/N: 43A-24957-218

Date	Desig.	Obs.	Delta%
06/07/06	0.090	0.092	2.2
06/22/06	0.090	0.087	-3.3
07/07/06	0.090	0.090	0.0
07/18/06	0.090	0.088	-2.2
07/28/06	0.090	0.089	-1.1
08/10/06	0.090	0.092	2.2
08/15/06	0.090	0.093	3.3
08/21/06	0.090	0.093	3.3
08/28/06	0.090	0.094	4.4
09/05/06	0.090	0.098	8.9
09/18/06	0.090	0.095	5.6
09/26/06	0.090	0.093	3.3

avg% =	**2.22**	
Std Dev =	**3.45**	**12 cals**
***UCL =**	**8.98**	
***LCL =**	**-4.54**	

*UCL=UPPER 95% CONFIDENCE LIMIT
*LCL=LOWER 95% CONFIDENCE LIMIT

Precision Data Calculations

Mirant Potomac
(June 2006 - September 2006)

Site: Southeast
Analyzer: TECO 43A

Par: SO2
S/N: 43A-33418-244

Date	Desig.	Obs.	Delta%
06/28/06	0.090	0.074	-17.8
07/10/06	0.090	0.084	-6.7
07/24/06	0.090	0.085	-5.6
08/08/06	0.090	0.086	-4.4
08/23/06	0.090	0.081	-10.0
09/05/06	0.090	0.093	3.3
09/20/06	0.090	0.092	2.2

avg% =	**-5.56**	
Std Dev =	**5.96**	**7 cals**
***UCL =**	**6.13**	
***LCL =**	**-17.24**	

*UCL=UPPER 95% CONFIDENCE LIMIT
*LCL=LOWER 95% CONFIDENCE LIMIT

Precision Data Calculations

Mirant Potomac
(June 2006 - September 2006)

Site: Northeast
Analyzer: TECO 43A

Par: SO2
S/N: 43A-29731-236

Date	Desig.	Obs.	Delta%
07/01/06	0.090	0.091	1.1
07/10/06	0.090	0.089	-1.1
07/24/06	0.090	0.102	13.3
08/08/06	0.090	0.104	15.6
08/21/06	0.090	0.105	16.7
09/05/06	0.090	0.093	3.3
09/20/06	0.090	0.097	7.8

avg% =	**8.10**	
Std Dev =	**8.24**	**7 cals**
***UCL =**	**24.25**	
***LCL =**	**-8.06**	

*UCL=UPPER 95% CONFIDENCE LIMIT
*LCL=LOWER 95% CONFIDENCE LIMIT

Precision Data Calculations

Mirant Potomac
(August 2006 - September 2006)

Site: North-Daingerfield
Analyzer: TECO 43A

Par: SO2
S/N: 43A-19597-185

Date	Desig.	Obs.	Delta%
08/23/06	0.090	0.087	-3.3
09/08/06	0.090	0.091	1.1
09/20/06	0.090	0.092	2.2

avg% =	**0.00**	
Std Dev =	**2.55**	**3 cals**
***UCL =**	**4.99**	
***LCL =**	**-4.99**	

*UCL=UPPER 95% CONFIDENCE LIMIT
*LCL=LOWER 95% CONFIDENCE LIMIT

Precision Data Calculations

Mirant Potomac
(July 2006 - September 2006)

Site: Southwest
Analyzer: TECO 43A

Par: SO2
S/N: 43A-24150-213

Date	Desig.	Obs.	Delta%
07/28/06	0.090	0.090	0.0
08/10/06	0.090	0.089	-1.1
08/23/06	0.090	0.094	4.4
09/05/06	0.090	0.093	3.3
09/18/06	0.090	0.099	10.0

avg% =	**3.33**	
Std Dev =	**4.89**	**5 cals**
***UCL =**	**12.92**	
***LCL =**	**-6.25**	

*UCL=UPPER 95% CONFIDENCE LIMIT
*LCL=LOWER 95% CONFIDENCE LIMIT

Precision Data Calculation Summary

Mirant Potomac

Fourth Quarter (October 2006 - December 2006)

SITE	PARAMETER	MONITORING INSTRUMENT	S/N	CALS	LCL	UCL
Marina Towers Central	SO2	TECO 43A	43A-28552-232	6	-7.60	4.27
Marina Towers South	SO2	TECO 43A	43A-24957-218	6	-7.16	13.82
Southeast	SO2	TECO 43A	43A-33418-244	6	-6.77	4.92
Northeast	SO2	TECO 43A	43A-29731-236 43A-20258-192	8	-12.97	24.77
North-Daingerfield	SO2	TECO 43A	43A-19597-185	7	-20.82	19.24
Southwest	SO2	TECO 43A	43A-24150-213	6	-7.60	14.97

Precision Data Calculations

Mirant Potomac
(October 2006 - December 2006)

Site: Marina Towers Central
Analyzer: TECO 43A

Par: SO2
S/N: 43A-28552-232

Date	Desig.	Obs.	Delta%
10/02/06	0.090	0.092	2.2
10/20/06	0.090	0.086	-4.4
11/03/06	0.090	0.094	4.4
11/21/06	0.090	0.088	-2.2
12/21/06	0.090	0.085	-5.6
12/28/06	0.090	0.086	-4.4

avg% =	**-1.67**	
Std Dev =	**3.03**	**6 cals**
***UCL =**	**4.27**	
***LCL =**	**-7.60**	

*UCL=UPPER 95% CONFIDENCE LIMIT
*LCL=LOWER 95% CONFIDENCE LIMIT

Precision Data Calculations

Mirant Potomac
(October 2006 - December 2006)

Site: Marina Towers South
Analyzer: TECO 43A

Par: SO2
S/N: 43A-24957-218

Date	Desig.	Obs.	Delta%
10/02/06	0.090	0.098	8.9
10/20/06	0.090	0.088	-2.2
11/03/06	0.090	0.100	11.1
11/21/06	0.090	0.091	1.1
12/21/06	0.090	0.091	1.1
12/28/06	0.090	0.090	0.0

avg% =	**3.33**	
Std Dev =	**5.35**	**6 cals**
***UCL =**	**13.82**	
***LCL =**	**-7.16**	

*UCL=UPPER 95% CONFIDENCE LIMIT
*LCL=LOWER 95% CONFIDENCE LIMIT

Precision Data Calculations

Mirant Potomac
(October 2006 - December 2006)

Site: Southeast
Analyzer: TECO 43A

Par: SO2
S/N: 43A-33418-244

Date	Desig.	Obs.	Delta%
10/02/06	0.090	0.089	-1.1
10/17/06	0.090	0.086	-4.4
11/03/06	0.090	0.092	2.2
11/27/06	0.090	0.092	2.2
12/12/06	0.090	0.090	0.0
12/26/06	0.090	0.086	-4.4

avg% =	**-0.93**	
Std Dev =	**2.98**	**6 cals**
***UCL =**	**4.92**	
***LCL =**	**-6.77**	

*UCL=UPPER 95% CONFIDENCE LIMIT
*LCL=LOWER 95% CONFIDENCE LIMIT

Precision Data Calculations

Mirant Potomac
(October 2006 - December 2006)

Site: Northeast
Analyzer: TECO 43A

Par: SO2
S/N: 43A-29731-236
43A-20258-192

Date	Desig.	Obs.	Delta%
10/05/06	0.090	0.090	0.0
10/13/06	0.090	0.096	6.7
10/25/06	0.080	0.084	5.0
11/03/06	0.090	0.107	18.9
11/27/06	0.090	0.085	-5.6
11/30/06	0.090	0.110	22.2
12/12/06	0.090	0.087	-3.3
12/26/06	0.090	0.093	3.3

avg% =	**5.90**	
Std Dev =	**9.63**	**8 cals**
***UCL =**	**24.77**	
***LCL =**	**-12.97**	

*UCL=UPPER 95% CONFIDENCE LIMIT
*LCL=LOWER 95% CONFIDENCE LIMIT

Precision Data Calculations

Mirant Potomac
(October 2006 - December 2006)

Site: North-Daingerfield
Analyzer: TECO 43A

Par: SO2
S/N: 43A-19597-185

Date	Desig.	Obs.	Delta%
10/02/06	0.090	0.089	-1.1
10/17/06	0.090	0.082	-8.9
11/09/06	0.090	0.096	6.7
11/27/06	0.090	0.078	-13.3
11/30/06	0.090	0.105	16.7
12/12/06	0.090	0.090	0.0
12/26/05	0.090	0.085	-5.6

avg% =	**-0.79**	
Std Dev =	**10.22**	**7 cals**
***UCL =**	**19.24**	
***LCL =**	**-20.82**	

*UCL=UPPER 95% CONFIDENCE LIMIT
*LCL=LOWER 95% CONFIDENCE LIMIT

Precision Data Calculations

Mirant Potomac
(October 2006 - December 2006)

Site: Southwest
Analyzer: TECO 43A

Par: SO2
S/N: 43A-24150-213

Date	Desig.	Obs.	Delta%
10/02/06	0.090	0.095	5.6
10/26/06	0.080	0.087	8.7
11/09/06	0.090	0.089	-1.1
11/27/06	0.090	0.087	-3.3
12/14/06	0.090	0.102	13.3
12/28/06	0.090	0.089	-1.1

avg% =	**3.68**	
Std Dev =	**5.76**	**6 cals**
***UCL =**	**14.97**	
***LCL =**	**-7.60**	

*UCL=UPPER 95% CONFIDENCE LIMIT
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