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April 27, 2007

U.S. Nuclear Regulatory Commission
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Peach Bottom Atomic Power Station Unit Nos. 2 and 3
and Independent Spent Fuel Storage Installation (ISFSI)
Facility Operating License Nos. DPR-44 and DPR-56
NRC Docket Nos. 50 - 277 and 50 - 278 and ISFSI Docket 72-29
and Unit 1 Docket No. 50-171

SUBJECT: Radioactive Effluent Release Report No. 49
January 1, 2006 through December 31, 2006

Enclosed are two copies of the Radioactive Effluent Release Report No. 49, January 1, 2006, through December 31, 2006, for Peach Bottom Atomic Power Station Unit Nos. 2 and 3.

This report is being submitted in compliance with 10CFR 50.36 a (2) and the Technical Specifications of Operating Licenses DPR-44 and DPR-56, and to fulfill the requirements of Regulatory Guide 10.1. Additionally, this report is submitted to satisfy annual effluent reporting requirements for the ISFSI required by Offsite Dose Calculation Manual (ODCM).

No revisions were made to the Offsite Dose Calculation Manual or the Process Control Program (PCP).

There are no commitments contained in this letter.

If you have any questions or require additional information, please do not hesitate to contact us.

Sincerely,

Joseph P. Grimes
Site Vice President
Peach Bottom Atomic Power Station

Enclosures (2)

cc: S.J. Collins, Administrator, Region 1, US NRC
J. J. Shea, Project Manager, US NRC
F. Bower, US NRC Senior Resident Inspector, PBAPS A4

CCN 07-49

IE48
UMSS01

PEACH BOTTOM ATOMIC POWER STATION
Unit Numbers 2 and 3
Docket Numbers 50-277 and 50-278
Unit Number 1
Docket Number 50-171
PBAPS Independent Spent Fuel Storage Installation
Docket Number 72-29

# RADIOACTIVE EFFLUENT RELEASE REPORT

## NO. 49

## JANUARY 1, 2006 THROUGH DECEMBER 31, 2006

Submitted to
The United States Nuclear Regulatory Commission
Pursuant to
Facility Operating Licenses DPR-44 and DPR-56

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## TABLE OF CONTENTS


| SECTION | PAGE |
|---|---|
| Introduction | 1 |
| Attachment 1 Supplemental Information | 3 |
| Regulatory Limits | 5 |
| Maximum Permissible Concentrations | 6 |
| Average Energy | 6 |
| Measurements and Approximations of Total Radioactivity | 6 |
| Batch Releases | 8 |
| Average Stream Flow | 9 |
| Abnormal Releases | 9 |
| Changes to ODCM | 12 |
| Minimum Detectable Concentrations | 12 |
| Violations | 13 |
| Attachment 2 Effluent Summary | 15 |
| Gaseous Effluents - Summation of All Releases | 17 |
| Gaseous Effluents for Elevated Release Point - Main Stack | 18 |
| Gaseous Effluents for Ground Level Release Points - Unit 2 and Unit 3 Roof Vents & Aux Boiler Stack | 19 |
| Liquid Effluents - Summation of All Releases | 20 |
| Liquid Effluents Release Points – Liquid Radwaste, RHR Leaks | 21 |

Attachment 3 Solid Waste and Irradiated Fuel Shipments 23

Solid Waste Shipped 25

Irradiated Fuel Shipments 27

Changes to Process Control Program (PCP) 27

Attachment 4 Radiological Impact on Man 29

Radiological Impact on Man 31

Summary of Gaseous and Liquid Annual Doses 31

Liquid and Gaseous Effluent Radiation Monitors 31

Attachment 5 Meteorological Data 33

Technical Concurrences: (for accuracy of information)

_____

Chemistry / Radwaste Manager

Facility: Peach Bottom Units 2 & 3 Licensee: Exelon Generation Company, LLC
PSEG Nuclear, LLC

## INTRODUCTION

In accordance with the Reporting Requirements of Technical Specification 5.6.3 applicable during the reporting period, this report summarizes the Effluent Release Data for Peach Bottom Atomic Power Station Units 2 and 3 for the period January 1, 2006 through December 31, 2006. The notations E and E- are used to denote positive and negative exponents to the base 10, respectively.

The release of radioactive materials during the reporting period was within the Offsite Dose Calculation Manual Specification limits.

There were five unplanned releases of liquid radioactive material. Three releases from RHR heat exchangers, one from the Unit 1 Radwaste Sump, and one from a groundwater tritium plume. The Unit 1 release is reported in accordance with Unit 1 Technical Specification 2.4.

There were no gaseous or liquid radioactive releases from the Independent Spent Fuel Storage Installation, NRC Docket No. 72-29 (ISFSI).

There was a change to RW-AA-100 "Process Control Program for Radioactive Waste". A copy of the revised procedure is attached.

There were no changes to the ODCM during this reporting period.

Exelon common procedures, which provide consistent expectations and standards for Radioactive Effluents Controls Program, were used to generate this report. They are:

- CY-AA-170-000, Radioactive Effluent and Environmental Monitoring Program
- CY-AA-170-100, Radiological Environmental Monitoring Program
- CY-AA-170-200, Radioactive Effluent Controls Program
- CY-AA-170-300, Offsite Dose Calculation Manual Administration
- CY-AA-170-2000, Annual Radioactive Effluent Release Report
- CY-AA-170-2100, Estimated Errors of Effluent Measurement
- CY-AA-170-3100, Offsite Dose Calculation Manual Revisions

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Attachment 1

Supplemental Information

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1. Regulatory Limits

A. Noble Gases:

| | | | | | |
|---|---|---|---|---|---|
| 1. | ≤ 500 | mRem/Yr | - total body | - | ODCMS 3.8.C.1.a |
| | ≤ 3000 | mRem/Yr | - skin | | |
| 2. | ≤ 10 | mRad | - air gamma | - | quarterly air dose limits |
| | ≤ 20 | mRad | - air beta | | ODCMS 3.8.C.2.a and b |
| 3. | ≤ 20 | mRad | - air gamma | - | yearly air dose limits |
| | ≤ 40 | mRad | - air beta | | ODCMS 3.8.C.2.c and d |

B. Iodines, Tritium, Particulates with Half Life >8 days:

| | | | | | |
|---|---|---|---|---|---|
| 1. | ≤ 1500 | mRem/Yr | - any organ | - | ODCMS 3.8.C.1.b |
| 2. | ≤ 15 | mRem | - any organ | - | quarterly dose limits ODCMS 3.8.C.3.a |
| 3. | ≤ 30 | mRem | - any organ | - | yearly dose limits ODCMS 3.8.C.3.b |

C. Liquid Effluents

| | | | | | |
|---|---|---|---|---|---|
| 1. | Concentration ≤ 10 times 10 CFR 20, Appendix B, Table 2, Col. 2 | | | - | ODCMS 3.8.B.1.a |
| 2. | ≤ 3.0 | mRem | - total body | - | quarterly dose limits |
| | ≤ 10 | mRem | - any organ | | ODCMS 3.8.B.2.a |
| 3. | ≤ 6.0 | mRem | - total body | - | yearly dose limits |
| | ≤ 20 | mRem | - any organ | | ODCMS 3.8.B.2.b |

D. 40 CFR 190 and 10 CFR 72.104

| | | | | |
|---|---|---|---|---|
| ≤ 25 | mRem | - total body | - | ODCMS 3.8.D.1.a |
| ≤ 75 | mRem | - thyroid | | ODCMS 3.8.D.1.b |
| ≤ 25 | mRem | - any other organ | | ODCMS 3.8.D.1.c |
| ≤ 3.0 | mRem | - from liquid and gaseous effluent | | ODCMS 3.8.D.1.d |
| ≤ 55 | mRem | - thyroid from gases | | ODCMS 3.8.D.1.e |

2. Maximum Permissible Concentrations:

   Gaseous dose rates rather than effluent concentrations are used to calculate permissible release rates for gaseous releases. The maximum permissible dose rates for gaseous releases are defined in ODCMS 3.8.C.1a. and 3.8.C.1.b.

   The Effluent Concentrations Limits (ECL) specified in 10 CFR 20, Appendix B, Table 2, Column 2 times 10, for identified nuclides, are used to calculate permissible release rates and concentrations for liquid release per Peach Bottom Offsite Dose Calculation Manual Specification 3.8.B.1.

   The total activity concentration for all dissolved or entrained gases is limited to $\leq$ 2E-04 $\mu$Ci/ml.

3. Average Energy:

   The Peach Bottom ODCM limits the dose equivalent rates due to the release of noble gases to less than or equal to 500 mRem/year to the total body and less than or equal to 3000 mRem/year to the skin. Therefore, the average beta and gamma energies of the radionuclide mixture in releases of fission and activation gases as described in Regulatory Guide 1.21, "Measuring, Evaluation, and Reporting Radioactivity in Solid Wastes and Releases of Radioactive Materials in Liquid and Gaseous Effluents from Light-Water-Cooled Nuclear Power Plants," are not applicable to Peach Bottom.

4. Measurements and Approximations of Total Radioactivity:

   A. Fission and Activation Gases:

      The method used for Gamma Isotopic Analysis is the Canberra Genie System with a gas Marinelli beaker. Grab samples are taken and analyzed at least monthly to determine the isotopic mixture of noble gas activity released for the month. Airborne effluent gaseous activity was continuously monitored and recorded in accordance with ODCMS Table 4.8.C.1. The data from the noble gas radiation monitor was analyzed to report noble gas effluent activities. When no activity was found in the grab isotopic analysis, the isotopic mixture was assumed to be that specified in ODCM IV.B. The activity released is listed as Unidentified in the Attachment 2 Tables. If activity was found in the grab isotopic analysis, the isotopic mixture for the Noble Gas Monitor was determined from that isotopic mixture.

   B. Iodines:

      The method used is the Canberra Genie System with a charcoal cartridge. Iodine activity was continuously sampled and analyzed in accordance with

ODCMS Table 4.8.C.1.

C. Particulates:

The method used is the Canberra Genie System with a particulate filter (47 mm). Particulate activity was continuously sampled and analyzed in accordance with ODCM Table 4.8.C.1.

Composite particulate air samples were submitted to an offsite vendor laboratory for analysis of Sr-89, Sr-90 and gross alpha.

D. Liquid Effluents:

Gamma isotopic activity concentrations are determined on each batch of liquid effluent prior to release using the Canberra Genie System in accordance with ODCMS Table 4.8.B.1. The total activity of a released batch is determined by multiplying each nuclide's concentration by the total volume discharged.

Composite liquid radwaste samples counted for tritium and submitted to an offsite vendor laboratory for analysis of Fe-55, P-32, Sr-89, Sr-90 and gross alpha.

E. Estimated Total Error Present

CY-AA-170-2100, Estimated Errors of Effluent Measurements, provides the methodology to obtain an overall estimate of the error associated with radioactive effluents.

5. Batch Releases:

A. Liquid:

| | QTR 1 | QTR 2 | QTR 3 | QTR 4 |
|---|---|---|---|---|
| Number of batch releases: | 8 | 10 | 11 | 17 |
| Total Time for batch releases (minutes) | 849 | 1155 | 2074 | 3746 |
| Maximum time period for batch release (minutes): | 280 | 288 | 285 | 310 |
| Average time period for batch release (minutes): | 106 | 116 | 189 | 220 |
| Minimum time period for batch release (minutes): | 30 | 36 | 45 | 40 |
| Dilution volume (liters): | 2.80E9 | 5.90E9 | 6.81E9 | 1.51E10 |

B. Gaseous:

| | QTR 1 | QTR 2 | QTR 3 | QTR 4 |
|---|---|---|---|---|
| Number of batch releases: | 0 | 0 | 0 | 0 |
| Total Time for batch releases (minutes) | 0 | 0 | 0 | 0 |
| Maximum time period for batch release (minutes): | 0 | 0 | 0 | 0 |
| Average time period for batch release (minutes): | 0 | 0 | 0 | 0 |
| Minimum time period for batch release (minutes): | 0 | 0 | 0 | 0 |

6. Average Stream Flow:

The river flow is not used for dose calculations. The actual discharge of circulating water is used for liquid dose calculations. The circulating water varies from 675,000 gpm in the winter to 1,350,000 gpm in the summer.

7. Abnormal Releases: Five abnormal release sources

A. Liquid:

1. Event description – 2C Residual Heat Removal (RHR) to High Pressure Service Water (HPSW) leak

On 08/01/2005, routine sampling of the HPSW effluent to the discharge canal detected low-level radioactive contamination. Subsequent investigation determined that a trace amount of condensate stay-full or primary coolant water was leaking through the Unit 2C RHR heat exchanger into the 2A loop of the HPSW system. The 2C RHR continued to be a source of contamination to the end of 2006. The leak rate was 0.02 gpm from January to October, then increased to 0.103 gpm through the end of the year.

Analysis of Releases

It was estimated that the contaminated water released to the discharge canal for all of 2006 was responsible for 1.26E-03 mRem total body dose (Adult), and 3.08E-03 mRem Critical Organ (Adult GI-LLI) dose. This dose contribution was well below the limits specified in the ODCM.

Samples were analyzed for all the parameters of radioactive effluent releases. Composite liquid radwaste samples counted for tritium and submitted to an offsite vendor laboratory for analysis of Fe-55, P-32, Sr-89, Sr-90 and gross alpha. The maximum concentration from several analyses was used to ensure conservative measures of activity released. The dose contributions and isotope quantities from the releases were added to this Radioactive Effluent Release Report for the applicable reporting periods.

2. Event description – 2D Residual Heat Removal (RHR) to High Pressure Service Water (HPSW) leak

On 10/07/2005, routine sampling of the HPSW effluent to the discharge canal detected low-level radioactive contamination. Subsequent investigation determined that a trace amount of condensate stay-full or primary coolant

water was leaking through the Unit 2D RHR heat exchanger into the 2B loop of the HPSW system. The 2D RHR continued to be a source of contamination to the end of 2006. The leak rate was 0.0189 gpm from January to April, then decreased to 0.00942 gpm until October, then increased to 0.0372 gpm through the end of the year.

Analysis of Releases

It was estimated that the contaminated water released to the discharge canal for all of 2006 was responsible 6.89E-04 mRem total body dose (Adult), and 1.35E-03 mRem Critical Organ (Adult GI-LLI) dose. This dose contribution was well below the limits specified in the ODCM.

Samples were analyzed for all the parameters of radioactive effluent releases. Composite liquid radwaste samples counted for tritium and submitted to an offsite vendor laboratory for analysis of Fe-55, P-32, Sr-89, Sr-90 and gross alpha. The maximum concentration from several analyses was used to ensure conservative measures of activity released. The dose contributions and isotope quantities from the releases were added to this Radioactive Effluent Release Report for the applicable reporting periods.

3. Event description – 3D Residual Heat Removal (RHR) to High Pressure Service Water (HPSW) leak

On 2/13/2006, routine sampling of the HPSW effluent to the discharge canal detected low-level radioactive contamination. Subsequent investigation determined that a trace amount of condensate stay-full or primary coolant water was leaking through the Unit 3D RHR heat exchanger into the 2B loop of the HPSW system. The 3D RHR continued to be a source of contamination to the end of 2006. The 3D RHR leak was repaired on January 27, 2007. The leak rate was 0.016 gpm from February to July 15, then increased to 0.132 gpm through the end of the year.

Analysis of Releases

It was estimated that the contaminated water released to the discharge canal was responsible 1.57E-03 mRem total body dose (Adult), and 2.81E-02 mRem Critical Organ (Adult GI-LLI) dose. This dose contribution was well below the limits specified in the ODCM.

Samples were analyzed for all the parameters of radioactive effluent

releases. Composite liquid radwaste samples counted for tritium and submitted to an offsite vendor laboratory for analysis of Fe-55, P-32, Sr-89, Sr-90 and gross alpha. The maximum concentration from several analyses was used to ensure conservative measures of activity released. The dose contributions and isotope quantities from the releases were added to this Radioactive Effluent Release Report for the applicable reporting periods.

4. Event description – Unit 1 Radwaste Sump

On July 6, 2006, routine sampling of the Unit 1 Radwaste Sump showed no gamma activity and was released to the discharge canal. Analysis of water in the Unit 1 Radwaste Sump was analyzed January 3, 2007 for gamma activity and tritium. The gamma analysis showed no activity but the tritium was measured to be 9.62E-6 uCi/ml. This tritium was assumed to be the concentration of the July 6, 2006 release.

Analysis of Release

It was estimated that the contaminated water released to the discharge canal was responsible for 3.21E-09 total body dose, and 3.21E-09 mRem Critical Organ (Child Liver) dose. This dose contribution was well below the limits specified in the ODCM.

Representative samples were analyzed for gamma activity and tritium. The dose contributions and isotope quantities from the releases were added to this Radioactive Effluent Release Report for the applicable reporting periods.

5. Event description – Ground Water Plume

During 2006, during the development of the Radiological Ground Water Protection Program (RGPP), tritium was measured at several locations around the site. The ground water that has detectable tritium has been determined to discharge into the inake or discharge canal. The highest concentration of tritium was 1.04E-06 uCi/ml. This concentration was assumed to be the concentration of all the ground water that discharged to the discharge canal.

Analysis of Releases

It was estimated that the ground water flowed to the discharge canal at a rate of 175 gpm. With the maximum concentration of 1.01E-06 uCi/ml, the ground water released to the discharge canal was responsible for 4.02E-06 total body dose, and 4.02E-06 mRem Critical Organ dose. This dose contribution was well below the limits specified in the ODCM.

B. Gaseous:

No abnormal releases.

8. Changes to the ODCM:

There were no changes to the ODCM during this reporting period.

9. Minimum Detectable Concentrations:

A. Liquid:

If a radionuclide was not detected, < LLD was reported for that isotope. Samples were analyzed with techniques that achieved the required Lower Limits of Detection (LLD) as specified in Offsite Dose Calculation Manual Specification Table 4.8.B.1, Radioactive Liquid Waste Sampling and Analysis. In all but one case, the LLD requirements were satisfied. In that case the sample was counted late and the LLDs were no met.

B. Gaseous:

If a radionuclide was not detected, < LLD was reported for that isotope. Samples were analyzed with techniques which achieved the required Lower Limits of Detection (LLD) as specified in Offsite Dose Calculation Manual Specification Table 4.8.C.1, Radioactive Gaseous Waste Sampling and Analysis from Main Stack and Vent Stack. In all cases, the LLD requirements were satisfied.

10. Violations:

A. ODCMS 4.8.C.1.2

In one case the particulate filters and charcoal cartridges were not analyzed within the 48 hours as required by ODCMS Table 4.8.C.1 Footnote (c). The cause was the normal filter channel was found to be not operable and the alternate channel analyzed late. The I-131 concentration was accurate and I-133 was added based on historical values.

B. Technical Specification 5.4.1.c

Technical Specification 5.4.1.c requires Quality Assurance for effluent and environmental monitoring. There were several instance of particulate filter by-pass that would result in up to 30% of the particulate matter not being collected on the filters. There was no evidence of iodine cartridge by-pass. The limiting doses for the thyroid calculated were not affected. The activities released were affected. The values in this report represent the corrected activities.

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Attachment 2

Effluent Summary

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Facility: Peach Bottom Units 2 & 3 Licensee: Exelon Generation Company, LLC
PSEG Nuclear, LLC

Attachment 2

Gaseous Effluents - Summation Of All Releases

Period: 2006 Unit: Peach Bottom Units 2 & 3

| A. Fission & Activation Gases | Unit | Quarter 1 | Quarter 2 | Quarter 3 | Quarter 4 | Year 2006 | Est. Total Error % |
|---|---|---|---|---|---|---|---|
| 1. Total Release | Ci | 2.60E+02 | 2.92E+02 | 2.15E+02 | 2.53E+02 | 1.02E+03 | 3.51E+01 |
| 2. Average release rate for the period | µCi/sec | 3.31E+01 | 3.71E+01 | 2.74E+01 | 3.22E+01 | 3.24E+01 | |
| 3. Percent of ODCM limit - Gamma | % | 5.23E-01 | 6.03E-01 | 2.94E-01 | 4.03E-01 | 9.12E-01 | |
| - Beta | | 1.79E-01 | 2.07E-01 | 1.02E-01 | 1.39E-01 | 3.13E-01 | |
| 4. Gamm Air Dose | mrad | 5.23E-02 | 6.03E-02 | 2.94E-02 | 4.03E-02 | 1.82E-01 | |
| 5. Beta Air Dose | mrad | 3.57E-02 | 4.14E-02 | 2.03E-02 | 2.77E-02 | 1.25E-01 | |

| B. Iodine | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1. Total iodine - 131 | Ci | 1.27E-03 | 1.85E-03 | 2.26E-03 | 1.33E-03 | 6.70E-03 | 1.76E+01 |
| 2. Average release rate for period | µCi/sec | 1.61E-04 | 2.35E-04 | 2.87E-04 | 1.69E-04 | 2.12E-04 | |
| 3. Percent of ODCM limit | % | * | * | * | * | * | |

| C. Particulates | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1. Particulates with half-lives > 8 days | Ci | 5.77E-04 | 5.56E-04 | 7.42E-04 | 1.68E-03 | 3.55E-03 | 1.94E+01 |
| 2. Average release rate for the period | µCi/sec | 7.34E-05 | 7.08E-05 | 9.44E-05 | 2.13E-04 | 1.13E-04 | |
| 3. Percent of ODCM limit | % | * | * | * | * | * | |
| 4. Gross alpha radioactivity | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | |
| | | | | | | | |
| **D. Tritium** | | | | | | | |
| 1. Total release | Ci | <LLD | 7.78E+00 | 1.35E+01 | 2.08E+01 | 4.20E+01 | 1.11E+01 |
| 2. Average release rate for the period | µCi/sec | <LLD | 9.90E-01 | 1.71E+00 | 2.64E+00 | 1.33E+00 | |
| 3. Percent of ODCM limit | % | * | * | * | * | * | |

| E. Iodine 131 & 133,Tritium & Particulate | | | | | | |
|---|---|---|---|---|---|---|
| 1. Percent of ODCM limit | % | 6.00E-02 | 9.13E-02 | 1.05E-01 | 6.23E-02 | 1.59E-01 |
| 2. Dose | mrem | 9.00E-03 | 1.37E-02 | 1.58E-02 | 9.34E-03 | 4.78E-02 |

* Limit is no longer applicable to iodine and particulate. Section E provides limit.

Facility: Peach Bottom Units 2 & 3 Licensee: Exelon Generation Company, LLC
PSEG Nuclear, LLC

Attachment 2

Gaseous Effluents for Elevated Release Point - Main Stack

Period: 2006 Unit: Peach Bottom Units 2 & 3

| NUCLIDES RELEASED | | CONTINUOUS MODE | | | | BATCH MODE | | | |
|---|---|---|---|---|---|---|---|---|---|
| **1. Fission gases** | **Unit** | **Quarter 1** | **Quarter 2** | **Quarter 3** | **Quarter 4** | **Quarter 1** | **Quarter 2** | **Quarter 3** | **Quarter 4** |
| Kr-85 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Kr-85m | Ci | 9.66E+00 | 8.14E+00 | 9.00E+00 | 1.46E+01 | <LLD | <LLD | <LLD | <LLD |
| Kr-87 | Ci | <LLD | 4.42E-01 | 2.65E-01 | 4.53E-01 | <LLD | <LLD | <LLD | <LLD |
| Kr-88 | Ci | 2.91E+00 | 3.15E+00 | 3.36E+00 | 7.43E+00 | <LLD | <LLD | <LLD | <LLD |
| Xe-133 | Ci | 2.19E+01 | 2.17E+01 | 2.86E+01 | 2.57E+01 | <LLD | <LLD | <LLD | <LLD |
| Xe-135 | Ci | 3.11E+00 | 3.35E+00 | 1.11E+01 | 2.86E+00 | <LLD | <LLD | <LLD | <LLD |
| Xe-135m | Ci | 1.19E+00 | <LLD | 1.45E+01 | 7.59E+00 | <LLD | <LLD | <LLD | <LLD |
| Xe-138 | Ci | 1.43E+01 | 2.03E+01 | 3.53E+01 | 3.83E+01 | <LLD | <LLD | <LLD | <LLD |
| Ar-41 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Xe-133m | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Unidentified | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Total for Period | Ci | 5.31E+01 | 5.71E+01 | 1.02E+02 | 9.69E+01 | <LLD | <LLD | <LLD | <LLD |
| **2. Iodines** | | | | | | | | | |
| I-131 | Ci | 3.08E-04 | 3.46E-04 | 6.42E-04 | 4.08E-04 | <LLD | <LLD | <LLD | <LLD |
| I-133 | Ci | 6.09E-04 | 8.95E-04 | 1.56E-03 | 9.66E-04 | <LLD | <LLD | <LLD | <LLD |
| I-135 | Ci | 1.02E-04 | 6.53E-04 | 9.08E-04 | 3.64E-04 | <LLD | <LLD | <LLD | <LLD |
| Total for Period | Ci | 1.02E-03 | 1.89E-03 | 3.11E-03 | 1.74E-03 | <LLD | <LLD | <LLD | <LLD |
| **3. Particulates** | | | | | | | | | |
| Sr-89 | Ci | 2.52E-04 | 1.60E-04 | 2.57E-04 | 6.47E-04 | <LLD | <LLD | <LLD | <LLD |
| Sr-90 | Ci | 2.47E-07 | 1.04E-07 | 1.28E-07 | 2.08E-06 | <LLD | <LLD | <LLD | <LLD |
| Cs-134 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Cs137 | Ci | 8.48E-07 | 2.45E-05 | 2.52E-06 | 1.30E-06 | <LLD | <LLD | <LLD | <LLD |
| Ba-140 | Ci | 1.61E-04 | 1.15E-04 | 1.27E-04 | 8.65E-04 | <LLD | <LLD | <LLD | <LLD |
| La-140 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Cr-51 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Mn-54 | Ci | <LLD | <LLD | 9.50E-07 | 2.76E-06 | <LLD | <LLD | <LLD | <LLD |
| Co-58 | Ci | <LLD | <LLD | 1.54E-06 | <LLD | <LLD | <LLD | <LLD | <LLD |
| Co-60 | Ci | <LLD | 4.07E-06 | 1.18E-05 | 7.32E-06 | <LLD | <LLD | <LLD | <LLD |
| Mo-99 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Ag-110m | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Ce-141 | Ci | <LLD | <LLD | <LLD | 9.82E-07 | <LLD | <LLD | <LLD | <LLD |
| Ce-144 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Nb-95 | Ci | <LLD | <LLD | <LLD | 1.04E-06 | <LLD | <LLD | <LLD | <LLD |
| Sb-125 | Ci | <LLD | <LLD | <LLD | 1.72E-06 | <LLD | <LLD | <LLD | <LLD |
| Zn-65 | Ci | <LLD | 7.00E-07 | 1.05E-06 | 2.90E-06 | <LLD | <LLD | <LLD | <LLD |
| | | | | | | | | | |
| Total for Period | Ci | 4.14E-04 | 3.04E-04 | 4.02E-04 | 1.53E-03 | <LLD | <LLD | <LLD | <LLD |

Facility: Peach Bottom Units 2 & 3 Licensee: Exelon Generation Company, LLC
PSEG Nuclear, LLC

Attachment 2

Gaseous Effluents Ground Level Release Point - Unit 2 & 3 Roof Vents & Aux Boiler Stack

Period: 2006 Unit: Peach Bottom Units 2 & 3

| Nuclides Released | | Continuous Mode | | | | Batch Mode | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1. Fission gases | Unit | Quarter 1 | Quarter 2 | Quarter 3 | Quarter 4 | Quarter 1 | Quarter 2 | Quarter 3 | Quarter 4 |
| Kr-85 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Kr-85m | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Kr-87 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Kr-88 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Xe-133 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Xe-135 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Xe-135m | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Xe-138 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Ar-41 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Xe-133m | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Unidentified | Ci | 2.07E+02 | 2.35E+02 | 1.13E+02 | 1.56E+02 | <LLD | <LLD | <LLD | <LLD |
| Total for Period | Ci | 2.07E+02 | 2.35E+02 | 1.13E+02 | 1.56E+02 | <LLD | <LLD | <LLD | <LLD |
| 2. Iodines | | | | | | | | | |
| I-131 | Ci | 9.59E-04 | 1.50E-03 | 1.62E-03 | 9.17E-04 | <LLD | <LLD | <LLD | <LLD |
| I-133 | Ci | 3.77E-03 | 7.35E-03 | 6.88E-03 | 4.83E-03 | <LLD | <LLD | <LLD | <LLD |
| I-135 | Ci | <LLD | <LLD | 2.49E-04 | <LLD | <LLD | <LLD | <LLD | <LLD |
| Total for Period | Ci | 4.73E-03 | 8.85E-03 | 8.74E-03 | 5.75E-03 | <LLD | <LLD | <LLD | <LLD |
| 3. Particulates | | | | | | | | | |
| Sr-89 | Ci | 1.24E-04 | 8.63E-05 | 1.43E-04 | 1.30E-04 | <LLD | <LLD | <LLD | <LLD |
| Sr-90 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Cs-134 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Cs137 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Ba-140 | Ci | 3.11E-05 | 1.46E-04 | 1.69E-04 | <LLD | <LLD | <LLD | <LLD | <LLD |
| La-140 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Cr-51 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Mn-54 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Co-58 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Co-60 | Ci | 8.22E-06 | 1.98E-05 | 2.39E-05 | 1.50E-05 | <LLD | <LLD | <LLD | <LLD |
| Mo-99 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Ag-110m | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Ce-141 | Ci | <LLD | <LLD | 4.42E-06 | <LLD | <LLD | <LLD | <LLD | <LLD |
| Ce-144 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| | Ci | | | | | | | | |
| | Ci | | | | | | | | |
| | Ci | | | | | | | | |
| Total for Period | Ci | 1.63E-04 | 2.52E-04 | 3.40E-04 | 1.45E-04 | <LLD | <LLD | <LLD | <LLD |

Facility: Peach Bottom Units 2 & 3 Licensee: Exelon Generation Company, LLC
PSEG Nuclear, LLC

Attachment 2

Liquid Effluents - Summation Of All Releases

Period: 2006 Unit: Peach Bottom Units 2 & 3

| A. FISSION & ACTIVATION PRODUCTS | Unit | Quarter 1 | Quarter 2 | Quarter 3 | Quarter 4 | Year 2006 | Est. Total Error % |
|---|---|---|---|---|---|---|---|
| 1. Total Release (not including tritium, gases & alpha) | Ci | 4.33E-02 | 5.96E-02 | 2.30E-01 | 1.81E-01 | 5.14E-01 | 2.11E+01 |
| 2. Average diluted concentration during batch discharges for the period | µCi/mL | 1.55E-08 | 1.01E-08 | 3.37E-08 | 1.20E-08 | | |
| 4. Percent of ODCM limit - Total Body | % | 5.93E-02 | 4.17E-02 | 1.65E-01 | 1.77E-01 | 2.21E-01 | |
| - Organ | | 2.88E-02 | 4.01E-02 | 7.64E-02 | 1.08E-01 | 1.27E-01 | |
| 5. Total Body Dose | mrem | 1.78E-03 | 1.25E-03 | 4.95E-03 | 5.30E-03 | 1.33E-02 | |
| 6. Organ Dose | mrem | 2.88E-03 | 4.01E-03 | 7.64E-03 | 1.08E-02 | 2.53E-02 | |

| B. TRITIUM | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1. Total Release | Ci | 8.47E-01 | 1.00E+00 | 2.16E+00 | 3.79E+00 | 7.80E+00 | 6.40E+00 |
| 2. Average diluted concentration during batch discharges for the period | µCi/mL | 3.03E-07 | 1.69E-07 | 3.17E-07 | 2.51E-07 | | |
| 4. Percent of 10 CFR 20 limit | % | 3.03E-02 | 1.69E-02 | 3.17E-02 | 2.51E-02 | | |

| C. DISSOLVED & ENTRAINED GASES | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1. Total Release | Ci | 2.85E-05 | 2.59E-04 | 1.98E-04 | 1.55E-03 | 2.03E-03 | 2.11E+01 |
| 2. Average diluted concentration during batch discharges for the period | µCi/mL | 1.02E-11 | 4.40E-11 | 2.91E-11 | 1.02E-10 | | |
| 4. Percent of ODCM limit | % | 5.08E-06 | 2.20E-05 | 1.45E-05 | 5.12E-05 | | |

| D. GROSS ALPHA ACTIVITY | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1. Total release | Ci | 6.21E-06 | 2.60E-05 | 2.83E-05 | 2.58E-05 | 8.63E-05 | 2.30E+01 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **E. VOLUME OF WASTE RELEASED (prior to dilution)** | Liters | 1.43E+04 | 1.95E+05 | 4.98E+05 | 9.57E+05 | 1.66E+06 | 5.00E+00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **F. VOLUME OF DILUTION WATER USED DURING BATCH DISCHARGES** | Liters | 2.80E+09 | 5.90E+09 | 6.81E+09 | 1.51E+10 | 3.06E+10 | 2.22E+01 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **G. TOTAL VOLUME OF DILUTION WATER USED CONTINUOUS RELEASE** | Liters | 1.07E+11 | 1.70E+11 | 1.53E+11 | 6.80E+10 | 4.97E+11 | 2.22E+01 |

Facility: Peach Bottom Units 2 & 3 Licensee: Exelon Generation Company, LLC
PSEG Nuclear, LLC

Attachment 2

Liquid Effluents Release Point - Liquid Radwaste & RHR Leaks

Period: 2006 Unit: Peach Bottom Units 2 & 3

| NUCLIDES RELEASED | | CONTINUOUS MODE | | | | BATCH MODE | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1. Fission gases | Unit | Quarter 1 | Quarter 2 | Quarter 3 | Quarter 4 | Quarter 1 | Quarter 2 | Quarter 3 | Quarter 4 |
| Sr-89 | Ci | 1.70E-05 | 1.53E-05 | 5.51E-05 | 3.54E-05 | <LLD | <LLD | <LLD | <LLD |
| Sr-90 | Ci | 5.08E-06 | 1.04E-05 | 7.43E-05 | 4.24E-05 | <LLD | <LLD | <LLD | <LLD |
| Cs-134 | Ci | 2.00E-04 | 2.87E-04 | 1.43E-03 | 6.83E-04 | <LLD | <LLD | <LLD | <LLD |
| Cs-137 | Ci | 2.45E-04 | 3.00E-04 | 1.47E-03 | 1.03E-03 | 2.15E-06 | 1.62E-06 | 6.00E-07 | 6.06E-07 |
| I-131 | Ci | <LLD | <LLD | <LLD | 1.31E-06 | <LLD | <LLD | <LLD | 4.57E-06 |
| Co-58 | Ci | 1.23E-03 | 1.09E-03 | 8.83E-04 | 2.49E-03 | <LLD | <LLD | <LLD | 1.30E-05 |
| Co-60 | Ci | 2.45E-02 | 3.62E-02 | 1.73E-01 | 1.20E-01 | 1.35E-06 | 1.94E-06 | <LLD | 1.24E-04 |
| Fe-59 | Ci | 1.19E-03 | 1.57E-03 | 6.96E-04 | 2.17E-03 | <LLD | <LLD | <LLD | <LLD |
| Zn-65 | Ci | 2.18E-03 | 2.98E-03 | 1.12E-02 | 9.00E-03 | <LLD | <LLD | <LLD | 1.11E-04 |
| Mn-54 | Ci | 8.16E-03 | 1.04E-02 | 3.73E-02 | 3.08E-02 | 8.77E-07 | 1.36E-06 | 2.13E-07 | <LLD |
| Cr-51 | Ci | 4.07E-03 | 5.35E-03 | 2.34E-04 | 1.01E-02 | <LLD | <LLD | <LLD | <LLD |
| Zr-95 | Ci | 1.57E-04 | 2.09E-04 | <LLD | 1.73E-05 | <LLD | <LLD | <LLD | <LLD |
| Nb-95 | Ci | 2.04E-04 | 2.93E-04 | 6.07E-04 | 5.02E-04 | <LLD | <LLD | <LLD | <LLD |
| Mo-99 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | 7.51E-06 |
| Tc-99m | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | 8.07E-06 |
| Ba-140 | Ci | <LLD | <LLD | <LLD | 7.90E-05 | <LLD | <LLD | <LLD | <LLD |
| La-140 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Ce-141 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Ag-110m | Ci | 9.43E-05 | 1.01E-04 | 2.41E-05 | <LLD | <LLD | <LLD | <LLD | <LLD |
| Fe-55 | Ci | 9.74E-04 | 7.50E-04 | 3.07E-03 | 3.55E-03 | <LLD | 4.47E-04 | <LLD | <LLD |
| P-32 | Ci | 2.54E-07 | 5.68E-07 | 4.06E-06 | 4.88E-06 | 2.58E-07 | 3.52E-06 | <LLD | <LLD |
| I-133 | Ci | 6.77E-06 | <LLD | 1.85E-06 | 2.35E-05 | <LLD | <LLD | <LLD | <LLD |
| I-135 | Ci | <LLD | 1.04E-05 | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Ba-139 | Ci | <LLD | 4.96E-05 | <LLD | <LLD | <LLD | <LLD | <LLD | 1.14E-05 |
| Ce-143 | Ci | <LLD | <LLD | 2.85E-06 | <LLD | <LLD | <LLD | <LLD | 1.00E-05 |
| Co-57 | Ci | <LLD | <LLD | <LLD | 2.99E-05 | <LLD | <LLD | <LLD | <LLD |
| Cs-138 | Ci | <LLD | 2.75E-05 | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| La-142 | Ci | <LLD | <LLD | 2.96E-06 | <LLD | <LLD | <LLD | <LLD | <LLD |
| Nb-95m | Ci | <LLD | <LLD | 3.92E-06 | <LLD | <LLD | <LLD | <LLD | <LLD |
| Ru-103 | Ci | <LLD | <LLD | 9.00E-07 | <LLD | <LLD | <LLD | <LLD | <LLD |
| Ru-105 | Ci | <LLD | <LLD | 3.12E-05 | <LLD | <LLD | <LLD | <LLD | <LLD |
| Sb-124 | Ci | <LLD | <LLD | <LLD | 2.43E-04 | <LLD | <LLD | <LLD | <LLD |
| Sn-113 | Ci | <LLD | <LLD | 1.12E-06 | <LLD | <LLD | <LLD | <LLD | <LLD |
| Y-91m | Ci | <LLD | 4.37E-06 | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Y-93 | Ci | <LLD | <LLD | 2.25E-05 | <LLD | <LLD | <LLD | <LLD | <LLD |
| Zr-97 | Ci | <LLD | <LLD | 1.65E-06 | <LLD | <LLD | <LLD | <LLD | <LLD |
| Total for Period | Ci | 4.33E-02 | 5.96E-02 | 2.30E-01 | 1.81E-01 | 4.64E-06 | 4.55E-04 | 8.13E-07 | 2.90E-04 |
| | | | | | | | | | |
| Xe-133 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |
| Xe-135 | Ci | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD | <LLD |

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Attachment 3

Solid Waste and Irradiated Fuel Shipments

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Facility: Peach Bottom Units 2 & 3 Licensee: Exelon Generation Company, LLC
PSEG Nuclear, LLC

A. Solid waste shipped offsite for burial or disposal (not irradiated fuel) 1/1/06 - 12/31/06

1. Type of Waste

| Type of Waste | Units | 2005 | Est. Error Ci (%) |
|---|---|---|---|
| a. Spent Resin, Filters, Sludges, Evaporator Bottoms, etc. | m3 | 1.72E+02 | |
| | Ci | 2.46E+02 | 25 |
| b. Dry Compressible Waste, Contaminated Equipment, etc. | m3 | 7.94E+02 | |
| | Ci | 3.82E+00 | 25 |
| c. Irradiated Components, Control Rods, etc. | m3 | 0.00E+00 | |
| | Ci | 0.00E+00 | N/A |
| d. Other (describe) | m3 | 0.00E+00 | |
| | Ci | 0.00E+00 | N/A |

2. Estimate of Major Nuclide Composition (By Waste Type)

Category A - Spent Resin, Filters, Sludges, Evaporator Bottoms, etc.

| Isotope | Waste Class A Curies | Percent Abundance (0.01% min) |
|---|---|---|
| H-3 | 3.96E-01 | 0.16% |
| C-14 | 2.16E+00 | 0.88% |
| Cr-51 | 2.62E-02 | 0.01% |
| Mn-54 | 9.01E+00 | 3.66% |
| Fe-55 | 3.03E+01 | 12.30% |
| Co-58 | 2.53E-01 | 0.10% |
| Fe-59 | 3.35E-02 | 0.01% |
| Co-60 | 1.27E+02 | 51.56% |
| Ni-63 | 1.54E+01 | 6.25% |
| Zn-65 | 3.23E+01 | 13.11% |
| Sr-90 | 3.51E-02 | 0.01% |
| Tc-99 | 8.83E-02 | 0.04% |
| Ag-110m | 9.64E-01 | 0.39% |
| Cs-134 | 2.62E+00 | 1.06% |
| Cs-137 | 2.46E+01 | 9.99% |
| Ce-144 | 5.85E-01 | 0.24% |
| Eu-152 | 3.49E-02 | 0.01% |
| Pu-241 | 5.15E-01 | 0.21% |
| | | |
| TOTALS | 2.46E+02 | 100.00% |

Facility: Peach Bottom Units 2 & 3 Licensee: Exelon Generation Company, LLC
PSEG Nuclear, LLC

Category B - Dry Compressible Waste, Contaminated Equipment, etc.

| Isotope | Waste Class A Curies | Percent Abundance (0.01% min) |
|---|---|---|
| H-3 | 7.23E-03 | 0.19% |
| C-14 | 1.03E-02 | 0.27% |
| Cr-51 | 9.56E-03 | 0.25% |
| Mn-54 | 2.70E-01 | 7.06% |
| Fe-55 | 5.44E-01 | 14.25% |
| Co-58 | 1.01E-02 | 0.26% |
| Fe-59 | 8.50E-03 | 0.22% |
| Co-60 | 1.90E+00 | 49.62% |
| Ni-63 | 1.20E-01 | 3.15% |
| Zn-65 | 5.90E-01 | 15.45% |
| Sr-89 | 2.28E-04 | 0.01% |
| Sr-90 | 6.47E-04 | 0.02% |
| Zr-95 | 1.54E-03 | 0.04% |
| Nb-95 | 1.84E-03 | 0.05% |
| Tc-99 | 3.84E-03 | 0.10% |
| Ag-110m | 1.82E-02 | 0.48% |
| Cs-134 | 6.94E-03 | 0.18% |
| Cs-137 | 3.12E-01 | 8.17% |
| Ce-144 | 6.02E-03 | 0.16% |
| Pu-241 | 2.81E-03 | 0.07% |
| | | |
| TOTALS | 3.82E+00 | 100.00% |

Category C - Irradiated Components, Control Rods, etc.

| |
|---|
| None |

Category D - Other

| |
|---|
| None |

3. Solid Waste (Disposition)

| Number of Shipments | Mode of Transportation | Destination |
|---|---|---|
| 24 | Truck | Duratek/Energy Sol'n to Envirocare (*) |
| 33 | Rail | Alaron to Envirocare (*) |
| 30 | Truck | Peach Bottom to Envirocare (*) |
| 1 | Truck | Peach Bottom to Barnwell |

Comments:
(*) - Envirocare also known as "Energy Solutions, Inc."
9 Shipments from Peach Bottom to Alaron, Corp. for processing.
6 Shipments from Peach Bottom to Duratek/Energy Solutions, Inc. for processing.

Category A - 30 Shipments Type A LSA
Category A - 1 Shipment >Type A LSA
Category B - 15 Shipments Type A LSA
Category C - No Shipments Made
Category D - No Shipments Made

B. Irradiated Fuel Shipments (Disposition)

No shipments of this type were made during the reporting period.

C. Changes to Process Control Program (PCP)

There was a revision to RW-AA-100 in 2006. The revision was considered administrative. There were no changes to any technical data or calculations as it relates to release or exposure. The revisions were word changes for clarification purposes. Examples are the spelling of the term 'Technical Specifications', adding procedure references and rewording several sentences for clarification purposes only.

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# Attachment 4

# Radiological Impact on Man

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1. Radiological Impact on Man

   The Annual Radiation Dose Assessment Report for January 1, 2006 to December 31, 2006 contained dose calculations based on current year meteorology and river flows. The total body and skin doses, 40 CFR 190 doses and doses to MEMBERS OF THE PUBLIC due to activities inside the site boundary are found in the Annual Radiation Dose Assessment Report for January 1, 2006 to December 31, 2006.

2. A summary of gaseous and liquid radiation annual doses to MEMBERS OF THE PUBLIC as calculated by the ODCM follows:

| Effluent | Applicable Organ | Estimated Dose | Age Group | Location | | % of Applicable Limit | Limit | Unit |
|---|---|---|---|---|---|---|---|---|
| | | | | Distance (meters) | Direction (toward) | | | |
| Noble Gas | Gamma - Air Dose | 1.82E-01 | All | 1097 | SSE | 9.10E-01 | 20 | mRad |
| Noble Gas | Beta – Air Dose | 1.25E-01 | All | 1097 | SSE | 3.12E-01 | 40 | mRad |
| Iodine, Particulate & Tritium | Thyroid | 4.78E-02 | Infant | 1431 | WSW | 1.59E-01 | 30 | mrem |
| | | | | | | | | |
| Direct Radiation | Total Body | <LLD | All | 1150 | SSE | <LLD | 22 | mrem |
| | | | | | | | | |
| Liquid | Total Body | 1.33E-02 | Adult | Site Boundary | | 2.22E-01 | 6 | mrem |
| Liquid | GI-LLI | 2.53E-02 | Adult | Site Boundary | | 1.26E-01 | 20 | mrem |

Doses calculated were well below all ODCM limits.

3. Liquid and gaseous effluent radiation monitors and instrumentation

   No effluent radiation monitors and instrumentation were unavailable for periods beyond the requirements of the ODCM.

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Attachment 5

Meteorological Data

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Attachment 5

Meteorological Data

The meteorological data can be found in the Annual Radiation Dose Assessment Report for January 1, 2006 through December 31, 2006.

**Peach Bottom Nuclear Station**

**Period of Record: January - March 2006**
**Stability Class - Extremely Unstable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 6 | 0 | 0 | 0 | 0 | 6 |
| NNE | 1 | 5 | 0 | 0 | 0 | 0 | 6 |
| NE | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| ENE | 6 | 2 | 0 | 0 | 0 | 0 | 8 |
| E | 9 | 4 | 0 | 0 | 0 | 0 | 13 |
| ESE | 1 | 9 | 0 | 0 | 0 | 0 | 10 |
| SE | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| SSE | 0 | 2 | 1 | 0 | 0 | 0 | 3 |
| S | 0 | 1 | 2 | 0 | 0 | 0 | 3 |
| SSW | 0 | 1 | 4 | 1 | 0 | 0 | 6 |
| SW | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| WSW | 0 | 2 | 0 | 2 | 0 | 0 | 4 |
| W | 0 | 5 | 1 | 0 | 0 | 0 | 6 |
| WNW | 0 | 4 | 14 | 3 | 0 | 0 | 21 |
| NW | 0 | 3 | 6 | 0 | 0 | 0 | 9 |
| NNW | 0 | 6 | 12 | 0 | 0 | 0 | 18 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 22 | 55 | 40 | 6 | 0 | 0 | 123 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: January - March 2006**
**Stability Class - Moderately Unstable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 1 | 4 | 0 | 0 | 0 | 0 | 5 |
| NNE | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| NE | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| ENE | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| E | 3 | 1 | 0 | 0 | 0 | 0 | 4 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| SSE | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| S | 0 | 1 | 3 | 0 | 0 | 0 | 4 |
| SSW | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| SW | 0 | 3 | 2 | 3 | 0 | 0 | 8 |
| WSW | 1 | 2 | 2 | 2 | 0 | 0 | 7 |
| W | 0 | 3 | 3 | 2 | 0 | 0 | 8 |
| WNW | 0 | 11 | 12 | 7 | 0 | 0 | 30 |
| NW | 0 | 2 | 20 | 11 | 0 | 0 | 33 |
| NNW | 0 | 10 | 13 | 6 | 0 | 0 | 29 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 11 | 41 | 57 | 32 | 0 | 0 | 141 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: January - March 2006**
**Stability Class - Slightly Unstable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 2 | 5 | 0 | 0 | 0 | 0 | 7 |
| NNE | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| E | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| ESE | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| SE | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| SSE | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| S | 0 | 2 | 2 | 0 | 0 | 0 | 4 |
| SSW | 0 | 0 | 3 | 0 | 0 | 0 | 3 |
| SW | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| WSW | 0 | 3 | 1 | 3 | 0 | 0 | 7 |
| W | 1 | 2 | 4 | 0 | 0 | 0 | 7 |
| WNW | 0 | 1 | 5 | 4 | 0 | 0 | 10 |
| NW | 0 | 4 | 12 | 6 | 0 | 0 | 22 |
| NNW | 0 | 5 | 8 | 1 | 0 | 0 | 14 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 6 | 29 | 37 | 14 | 0 | 0 | 86 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: January - March 2006**
**Stability Class - Neutral - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 1 | 28 | 10 | 0 | 0 | 0 | 39 |
| NNE | 16 | 15 | 3 | 0 | 0 | 0 | 34 |
| NE | 5 | 1 | 0 | 0 | 0 | 0 | 6 |
| ENE | 6 | 0 | 0 | 0 | 0 | 0 | 6 |
| E | 6 | 1 | 0 | 0 | 0 | 0 | 7 |
| ESE | 4 | 8 | 0 | 0 | 0 | 0 | 12 |
| SE | 8 | 29 | 2 | 1 | 0 | 0 | 40 |
| SSE | 3 | 30 | 4 | 0 | 1 | 0 | 38 |
| S | 3 | 15 | 6 | 2 | 1 | 0 | 27 |
| SSW | 0 | 10 | 1 | 0 | 0 | 0 | 11 |
| SW | 2 | 3 | 8 | 0 | 0 | 0 | 13 |
| WSW | 1 | 16 | 6 | 1 | 0 | 0 | 24 |
| W | 2 | 16 | 28 | 8 | 0 | 0 | 54 |
| WNW | 3 | 34 | 45 | 19 | 0 | 0 | 101 |
| NW | 5 | 51 | 104 | 31 | 11 | 0 | 202 |
| NNW | 3 | 58 | 46 | 6 | 1 | 0 | 114 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 68 | 315 | 263 | 68 | 14 | 0 | 728 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: January - March 2006**
**Stability Class - Slightly Stable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 4 | 8 | 1 | 0 | 0 | 0 | 13 |
| NNE | 10 | 9 | 1 | 0 | 0 | 0 | 20 |
| NE | 12 | 1 | 0 | 0 | 0 | 0 | 13 |
| ENE | 22 | 0 | 0 | 0 | 0 | 0 | 22 |
| E | 23 | 6 | 0 | 0 | 0 | 0 | 29 |
| ESE | 24 | 15 | 1 | 0 | 0 | 0 | 40 |
| SE | 33 | 21 | 7 | 0 | 0 | 0 | 61 |
| SSE | 18 | 29 | 4 | 1 | 1 | 0 | 53 |
| S | 9 | 27 | 12 | 0 | 0 | 0 | 48 |
| SSW | 5 | 14 | 4 | 0 | 0 | 0 | 23 |
| SW | 4 | 17 | 5 | 0 | 0 | 0 | 26 |
| WSW | 10 | 57 | 5 | 0 | 0 | 0 | 72 |
| W | 19 | 74 | 24 | 0 | 0 | 0 | 117 |
| WNW | 10 | 79 | 18 | 0 | 0 | 0 | 107 |
| NW | 13 | 50 | 22 | 0 | 0 | 0 | 85 |
| NNW | 5 | 30 | 3 | 0 | 0 | 0 | 38 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 221 | 437 | 107 | 1 | 1 | 0 | 767 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: January - March 2006**
**Stability Class - Moderately Stable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| NNE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| NE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| ENE | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| E | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| ESE | 13 | 0 | 0 | 0 | 0 | 0 | 13 |
| SE | 8 | 5 | 0 | 0 | 0 | 0 | 13 |
| SSE | 2 | 3 | 0 | 0 | 0 | 0 | 5 |
| S | 4 | 1 | 0 | 0 | 0 | 0 | 5 |
| SSW | 3 | 3 | 0 | 0 | 0 | 0 | 6 |
| SW | 9 | 4 | 0 | 0 | 0 | 0 | 13 |
| WSW | 10 | 9 | 0 | 0 | 0 | 0 | 19 |
| W | 1 | 6 | 0 | 0 | 0 | 0 | 7 |
| WNW | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| NW | 4 | 1 | 0 | 0 | 0 | 0 | 5 |
| NNW | 3 | 1 | 0 | 0 | 0 | 0 | 4 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 69 | 33 | 0 | 0 | 0 | 0 | 102 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: January - March 2006**
**Stability Class - Extremely Stable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| E | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| ESE | 10 | 0 | 0 | 0 | 0 | 0 | 10 |
| SE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| SSW | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| SW | 2 | 1 | 0 | 0 | 0 | 0 | 3 |
| WSW | 3 | 5 | 0 | 0 | 0 | 0 | 8 |
| W | 3 | 2 | 0 | 0 | 0 | 0 | 5 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 33 | 8 | 0 | 0 | 0 | 0 | 41 |

**Hours of calm in this stability class: 0**
**Hours of missing wind measurements in this stability class: 0**
**Hours of missing stability measurements in all stability classes: 0**

**Peach Bottom Nuclear Station**

**Period of Record: January - March 2006**
**Stability Class - Extremely Unstable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| E | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| ESE | 0 | 1 | 3 | 0 | 0 | 0 | 4 |
| SE | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 3 | 6 | 0 | 0 | 0 | 9 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 23

**Peach Bottom Nuclear Station**

**Period of Record: January - March 2006**
**Stability Class - Moderately Unstable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| NNE | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| NE | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| ENE | 0 | 1 | 2 | 0 | 0 | 0 | 3 |
| E | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| ESE | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| SE | 0 | 1 | 1 | 1 | 0 | 0 | 3 |
| SSE | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| S | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| SSW | 0 | 0 | 0 | 1 | 2 | 0 | 3 |
| SW | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| WNW | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 9 | 7 | 3 | 2 | 1 | 22 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 23

**Peach Bottom Nuclear Station**

**Period of Record: January - March 2006**
**Stability Class - Slightly Unstable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| NNE | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| NE | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 1 | 2 | 0 | 0 | 0 | 0 | 3 |
| ESE | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| SE | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| SSE | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| S | 0 | 0 | 3 | 0 | 1 | 0 | 4 |
| SSW | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| SW | 0 | 0 | 2 | 0 | 0 | 1 | 3 |
| WSW | 0 | 1 | 3 | 0 | 0 | 2 | 6 |
| W | 0 | 0 | 5 | 2 | 2 | 1 | 10 |
| WNW | 0 | 0 | 1 | 12 | 4 | 6 | 23 |
| NW | 0 | 0 | 3 | 8 | 0 | 3 | 14 |
| NNW | 0 | 1 | 3 | 4 | 0 | 0 | 8 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1 | 5 | 27 | 29 | 7 | 13 | 82 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 23

**Peach Bottom Nuclear Station**

**Period of Record: January - March 2006**
**Stability Class - Neutral - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 1 | 10 | 28 | 13 | 5 | 0 | 57 |
| NNE | 1 | 2 | 6 | 20 | 4 | 1 | 34 |
| NE | 2 | 5 | 4 | 3 | 2 | 0 | 16 |
| ENE | 1 | 5 | 9 | 0 | 0 | 0 | 15 |
| E | 3 | 14 | 3 | 1 | 0 | 0 | 21 |
| ESE | 1 | 8 | 9 | 4 | 1 | 0 | 23 |
| SE | 0 | 11 | 35 | 14 | 1 | 2 | 63 |
| SSE | 0 | 14 | 23 | 12 | 0 | 0 | 49 |
| S | 1 | 5 | 20 | 11 | 9 | 3 | 49 |
| SSW | 1 | 1 | 6 | 10 | 0 | 1 | 19 |
| SW | 0 | 1 | 6 | 12 | 5 | 4 | 28 |
| WSW | 0 | 4 | 11 | 15 | 24 | 8 | 62 |
| W | 1 | 4 | 17 | 29 | 17 | 21 | 89 |
| WNW | 0 | 8 | 17 | 73 | 47 | 38 | 183 |
| NW | 0 | 5 | 36 | 89 | 79 | 62 | 271 |
| NNW | 0 | 17 | 48 | 56 | 26 | 1 | 148 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 12 | 114 | 278 | 362 | 220 | 141 | 1127 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 5
Hours of missing stability measurements in all stability classes: 23

**Peach Bottom Nuclear Station**

**Period of Record: January - March 2006**
**Stability Class - Slightly Stable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 1 | 12 | 3 | 0 | 0 | 16 |
| NNE | 2 | 3 | 5 | 2 | 0 | 0 | 12 |
| NE | 0 | 8 | 2 | 0 | 0 | 0 | 10 |
| ENE | 0 | 4 | 7 | 0 | 0 | 0 | 11 |
| E | 1 | 2 | 5 | 6 | 5 | 0 | 19 |
| ESE | 0 | 6 | 16 | 10 | 4 | 0 | 36 |
| SE | 0 | 7 | 17 | 8 | 4 | 3 | 39 |
| SSE | 1 | 15 | 27 | 12 | 2 | 3 | 60 |
| S | 1 | 9 | 39 | 28 | 16 | 1 | 94 |
| SSW | 1 | 8 | 5 | 12 | 3 | 0 | 29 |
| SW | 1 | 4 | 13 | 13 | 3 | 0 | 34 |
| WSW | 2 | 6 | 13 | 39 | 1 | 0 | 61 |
| W | 1 | 7 | 24 | 41 | 10 | 0 | 83 |
| WNW | 1 | 6 | 16 | 40 | 13 | 0 | 76 |
| NW | 0 | 8 | 22 | 32 | 6 | 0 | 68 |
| NNW | 1 | 5 | 21 | 18 | 0 | 0 | 45 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 12 | 99 | 244 | 264 | 67 | 7 | 693 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 4
Hours of missing stability measurements in all stability classes: 23

**Peach Bottom Nuclear Station**

**Period of Record: January - March 2006**
**Stability Class - Moderately Stable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| ENE | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| E | 0 | 2 | 3 | 0 | 0 | 0 | 5 |
| ESE | 0 | 1 | 2 | 0 | 0 | 0 | 3 |
| SE | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| SSE | 0 | 5 | 12 | 2 | 0 | 0 | 19 |
| S | 0 | 2 | 19 | 2 | 0 | 0 | 23 |
| SSW | 1 | 7 | 13 | 2 | 0 | 0 | 23 |
| SW | 1 | 11 | 8 | 6 | 0 | 0 | 26 |
| WSW | 0 | 5 | 4 | 3 | 1 | 0 | 13 |
| W | 1 | 4 | 3 | 1 | 0 | 0 | 9 |
| WNW | 0 | 0 | 3 | 0 | 0 | 0 | 3 |
| NW | 0 | 1 | 2 | 1 | 0 | 0 | 4 |
| NNW | 1 | 1 | 3 | 0 | 0 | 0 | 5 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 4 | 40 | 76 | 17 | 1 | 0 | 138 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 1
Hours of missing stability measurements in all stability classes: 23

Peach Bottom Nuclear Station

Period of Record: January - March 2006
Stability Class - Extremely Stable - 316Ft-33Ft Delta-T (F)

Winds Measured at 320 Feet

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| E | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| SSE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| S | 0 | 4 | 8 | 0 | 0 | 0 | 12 |
| SSW | 0 | 6 | 3 | 0 | 0 | 0 | 9 |
| SW | 0 | 4 | 4 | 0 | 0 | 0 | 8 |
| WSW | 0 | 2 | 6 | 2 | 0 | 0 | 10 |
| W | 0 | 1 | 3 | 5 | 0 | 0 | 9 |
| WNW | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| NW | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 2 | 20 | 26 | 8 | 0 | 0 | 56 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 23

Peach Bottom Nuclear Station

Period of Record: April - June 2006
Stability Class - Extremely Unstable - 150Ft-33Ft Delta-T (F)

Winds Measured at 33 Feet

Facility: Peach Bottom Units 2 & 3 Licensee: Exelon Generation Company, LLC
PSEG Nuclear, LLC

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 2 | 25 | 2 | 0 | 0 | 0 | 29 |
| NNE | 13 | 29 | 1 | 0 | 0 | 0 | 43 |
| NE | 12 | 5 | 0 | 0 | 0 | 0 | 17 |
| ENE | 12 | 3 | 0 | 0 | 0 | 0 | 15 |
| E | 17 | 5 | 0 | 0 | 0 | 0 | 22 |
| ESE | 2 | 4 | 1 | 0 | 0 | 0 | 7 |
| SE | 2 | 10 | 0 | 0 | 0 | 0 | 12 |
| SSE | 0 | 10 | 1 | 0 | 0 | 0 | 11 |
| S | 0 | 7 | 6 | 0 | 0 | 0 | 13 |
| SSW | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| SW | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| WSW | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| W | 0 | 4 | 1 | 0 | 0 | 0 | 5 |
| WNW | 0 | 7 | 6 | 2 | 0 | 0 | 15 |
| NW | 0 | 9 | 11 | 1 | 0 | 0 | 21 |
| NNW | 0 | 37 | 15 | 0 | 0 | 0 | 52 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 60 | 157 | 46 | 3 | 0 | 0 | 266 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: April - June 2006**
**Stability Class - Moderately Unstable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 4 | 10 | 0 | 0 | 0 | 0 | 14 |
| NNE | 4 | 5 | 0 | 0 | 0 | 0 | 9 |
| NE | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| ENE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| E | 5 | 2 | 0 | 0 | 0 | 0 | 7 |
| ESE | 2 | 2 | 0 | 0 | 0 | 0 | 4 |
| SE | 2 | 2 | 0 | 0 | 0 | 0 | 4 |
| SSE | 2 | 7 | 1 | 0 | 0 | 0 | 10 |
| S | 0 | 9 | 1 | 0 | 0 | 0 | 10 |
| SSW | 0 | 4 | 0 | 0 | 0 | 0 | 4 |
| SW | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| WSW | 0 | 5 | 5 | 0 | 0 | 0 | 10 |
| W | 0 | 4 | 2 | 0 | 0 | 0 | 6 |
| WNW | 0 | 6 | 7 | 1 | 0 | 0 | 14 |
| NW | 2 | 11 | 14 | 1 | 0 | 0 | 28 |
| NNW | 1 | 18 | 11 | 0 | 0 | 0 | 30 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 26 | 87 | 41 | 2 | 0 | 0 | 156 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: April - June 2006**
**Stability Class - Slightly Unstable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 2 | 1 | 0 | 0 | 0 | 3 |
| NNE | 1 | 5 | 0 | 0 | 0 | 0 | 6 |
| NE | 2 | 1 | 0 | 0 | 0 | 0 | 3 |
| ENE | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| SE | 2 | 1 | 2 | 0 | 0 | 0 | 5 |
| SSE | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| S | 1 | 2 | 1 | 0 | 0 | 0 | 4 |
| SSW | 0 | 4 | 0 | 0 | 0 | 0 | 4 |
| SW | 1 | 0 | 1 | 0 | 0 | 0 | 2 |
| WSW | 0 | 1 | 2 | 0 | 0 | 0 | 3 |
| W | 0 | 2 | 2 | 0 | 0 | 0 | 4 |
| WNW | 0 | 5 | 4 | 2 | 0 | 0 | 11 |
| NW | 0 | 3 | 3 | 2 | 0 | 0 | 8 |
| NNW | 0 | 10 | 2 | 0 | 0 | 0 | 12 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 11 | 40 | 19 | 4 | 0 | 0 | 74 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: April - June 2006**
**Stability Class - Neutral - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 3 | 21 | 12 | 0 | 0 | 0 | 36 |
| NNE | 17 | 15 | 0 | 0 | 0 | 0 | 32 |
| NE | 14 | 0 | 0 | 0 | 0 | 0 | 14 |
| ENE | 19 | 0 | 0 | 0 | 0 | 0 | 19 |
| E | 9 | 3 | 0 | 0 | 0 | 0 | 12 |
| ESE | 8 | 6 | 0 | 0 | 0 | 0 | 14 |
| SE | 4 | 7 | 3 | 0 | 0 | 0 | 14 |
| SSE | 7 | 24 | 8 | 0 | 0 | 0 | 39 |
| S | 9 | 25 | 5 | 0 | 0 | 0 | 39 |
| SSW | 7 | 7 | 0 | 0 | 0 | 0 | 14 |
| SW | 3 | 6 | 1 | 0 | 0 | 0 | 10 |
| WSW | 5 | 7 | 5 | 0 | 0 | 0 | 17 |
| W | 6 | 12 | 5 | 2 | 0 | 0 | 25 |
| WNW | 9 | 25 | 13 | 2 | 0 | 0 | 49 |
| NW | 8 | 19 | 23 | 2 | 0 | 0 | 52 |
| NNW | 10 | 36 | 12 | 1 | 0 | 0 | 59 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 138 | 213 | 87 | 7 | 0 | 0 | 445 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: April - June 2006**
**Stability Class - Slightly Stable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 18 | 25 | 9 | 0 | 0 | 0 | 52 |
| NNE | 16 | 13 | 0 | 0 | 0 | 0 | 29 |
| NE | 14 | 0 | 0 | 0 | 0 | 0 | 14 |
| ENE | 15 | 0 | 0 | 0 | 0 | 0 | 15 |
| E | 31 | 1 | 0 | 0 | 0 | 0 | 32 |
| ESE | 25 | 6 | 0 | 0 | 0 | 0 | 31 |
| SE | 32 | 14 | 0 | 0 | 0 | 0 | 46 |
| SSE | 33 | 42 | 15 | 0 | 0 | 0 | 90 |
| S | 34 | 32 | 6 | 0 | 0 | 0 | 72 |
| SSW | 25 | 10 | 1 | 0 | 0 | 0 | 36 |
| SW | 25 | 16 | 2 | 0 | 0 | 0 | 43 |
| WSW | 10 | 26 | 1 | 0 | 0 | 0 | 37 |
| W | 17 | 35 | 0 | 0 | 0 | 0 | 52 |
| WNW | 19 | 54 | 7 | 1 | 0 | 0 | 81 |
| NW | 26 | 62 | 7 | 0 | 0 | 0 | 95 |
| NNW | 24 | 67 | 5 | 0 | 0 | 0 | 96 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 364 | 403 | 53 | 1 | 0 | 0 | 821 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: April - June 2006**
**Stability Class - Moderately Stable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 5 | 1 | 0 | 0 | 0 | 0 | 6 |
| NNE | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| NE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| ENE | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| E | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| ESE | 8 | 0 | 0 | 0 | 0 | 0 | 8 |
| SE | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| SSE | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| S | 6 | 2 | 0 | 0 | 0 | 0 | 8 |
| SSW | 11 | 0 | 0 | 0 | 0 | 0 | 11 |
| SW | 7 | 7 | 0 | 0 | 0 | 0 | 14 |
| WSW | 24 | 19 | 0 | 0 | 0 | 0 | 43 |
| W | 24 | 25 | 0 | 0 | 0 | 0 | 49 |
| WNW | 15 | 11 | 0 | 0 | 0 | 0 | 26 |
| NW | 18 | 10 | 0 | 0 | 0 | 0 | 28 |
| NNW | 7 | 2 | 0 | 0 | 0 | 0 | 9 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 144 | 78 | 0 | 0 | 0 | 0 | 222 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: April - June 2006**
**Stability Class - Extremely Stable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| NE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| ENE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| SE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| SW | 6 | 4 | 0 | 0 | 0 | 0 | 10 |
| WSW | 14 | 16 | 0 | 0 | 0 | 0 | 30 |
| W | 14 | 3 | 0 | 0 | 0 | 0 | 17 |
| WNW | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| NW | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 54 | 23 | 0 | 0 | 0 | 0 | 77 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: April - June 2006**
**Stability Class - Extremely Unstable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 1 | 1 | 1 | 4 | 1 | 0 | 8 |
| NE | 0 | 2 | 8 | 2 | 1 | 0 | 13 |
| ENE | 0 | 10 | 11 | 4 | 0 | 0 | 25 |
| E | 0 | 4 | 0 | 2 | 1 | 0 | 7 |
| ESE | 0 | 0 | 2 | 0 | 1 | 0 | 3 |
| SE | 0 | 0 | 3 | 2 | 0 | 0 | 5 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1 | 17 | 25 | 15 | 4 | 0 | 62 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 3

**Peach Bottom Nuclear Station**

**Period of Record: April - June 2006**
**Stability Class - Moderately Unstable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 2 | 5 | 0 | 0 | 0 | 7 |
| NNE | 0 | 1 | 2 | 1 | 0 | 0 | 4 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| E | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| ESE | 0 | 4 | 3 | 0 | 1 | 0 | 8 |
| SE | 0 | 2 | 2 | 0 | 0 | 0 | 4 |
| SSE | 0 | 1 | 2 | 0 | 0 | 0 | 3 |
| S | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| WNW | 0 | 0 | 0 | 3 | 0 | 1 | 4 |
| NW | 0 | 0 | 1 | 2 | 0 | 0 | 3 |
| NNW | 0 | 0 | 6 | 4 | 1 | 0 | 11 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 12 | 21 | 12 | 2 | 3 | 50 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 3

**Peach Bottom Nuclear Station**

**Period of Record: April - June 2006**
**Stability Class - Slightly Unstable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 5 | 6 | 1 | 0 | 0 | 12 |
| NNE | 0 | 0 | 1 | 2 | 0 | 0 | 3 |
| NE | 0 | 4 | 0 | 0 | 0 | 0 | 4 |
| ENE | 2 | 2 | 2 | 0 | 0 | 0 | 6 |
| E | 2 | 2 | 1 | 1 | 0 | 0 | 6 |
| ESE | 0 | 1 | 1 | 0 | 1 | 0 | 3 |
| SE | 0 | 0 | 3 | 0 | 0 | 0 | 3 |
| SSE | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| S | 0 | 0 | 7 | 4 | 0 | 0 | 11 |
| SSW | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| SW | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| WSW | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| W | 0 | 0 | 0 | 4 | 0 | 0 | 4 |
| WNW | 0 | 0 | 0 | 11 | 8 | 1 | 20 |
| NW | 0 | 0 | 9 | 6 | 2 | 0 | 17 |
| NNW | 0 | 2 | 19 | 7 | 0 | 0 | 28 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 4 | 16 | 53 | 39 | 11 | 1 | 124 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 3

**Peach Bottom Nuclear Station**

**Period of Record: April - June 2006**
**Stability Class - Neutral - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 1 | 23 | 19 | 26 | 7 | 0 | 76 |
| NNE | 0 | 10 | 9 | 1 | 0 | 0 | 20 |
| NE | 4 | 11 | 7 | 7 | 0 | 0 | 29 |
| ENE | 6 | 6 | 11 | 3 | 0 | 0 | 26 |
| E | 5 | 8 | 21 | 11 | 12 | 0 | 57 |
| ESE | 0 | 15 | 17 | 13 | 13 | 5 | 63 |
| SE | 2 | 5 | 12 | 10 | 3 | 0 | 32 |
| SSE | 1 | 8 | 23 | 19 | 7 | 1 | 59 |
| S | 0 | 11 | 25 | 21 | 7 | 0 | 64 |
| SSW | 1 | 10 | 16 | 2 | 0 | 0 | 29 |
| SW | 0 | 10 | 11 | 3 | 1 | 0 | 25 |
| WSW | 0 | 10 | 16 | 10 | 7 | 1 | 44 |
| W | 0 | 6 | 24 | 13 | 9 | 3 | 55 |
| WNW | 0 | 6 | 20 | 39 | 21 | 11 | 97 |
| NW | 0 | 12 | 32 | 26 | 20 | 5 | 95 |
| NNW | 1 | 18 | 48 | 41 | 5 | 2 | 115 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 21 | 169 | 311 | 245 | 112 | 28 | 886 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 3
Hours of missing stability measurements in all stability classes: 3

**Peach Bottom Nuclear Station**

**Period of Record: April - June 2006**
**Stability Class - Slightly Stable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 7 | 23 | 15 | 2 | 0 | 47 |
| NNE | 2 | 11 | 18 | 2 | 0 | 0 | 33 |
| NE | 0 | 11 | 7 | 8 | 0 | 0 | 26 |
| ENE | 0 | 10 | 9 | 3 | 0 | 0 | 22 |
| E | 1 | 12 | 7 | 4 | 0 | 0 | 24 |
| ESE | 2 | 10 | 22 | 3 | 1 | 3 | 41 |
| SE | 2 | 14 | 15 | 7 | 1 | 0 | 39 |
| SSE | 2 | 22 | 27 | 14 | 3 | 0 | 68 |
| S | 2 | 20 | 39 | 17 | 2 | 0 | 80 |
| SSW | 1 | 15 | 27 | 9 | 0 | 1 | 53 |
| SW | 1 | 15 | 32 | 10 | 2 | 0 | 60 |
| WSW | 1 | 7 | 17 | 15 | 3 | 0 | 43 |
| W | 1 | 5 | 15 | 16 | 0 | 0 | 37 |
| WNW | 0 | 8 | 12 | 32 | 10 | 0 | 62 |
| NW | 1 | 10 | 22 | 40 | 14 | 0 | 87 |
| NNW | 1 | 6 | 29 | 45 | 4 | 0 | 85 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 17 | 183 | 321 | 240 | 42 | 4 | 807 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 7
Hours of missing stability measurements in all stability classes: 3

**Peach Bottom Nuclear Station**

**Period of Record: April - June 2006**
**Stability Class - Moderately Stable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 2 | 5 | 2 | 0 | 0 | 9 |
| NNE | 0 | 1 | 7 | 2 | 0 | 0 | 10 |
| NE | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| ENE | 0 | 2 | 1 | 0 | 0 | 0 | 3 |
| E | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| ESE | 0 | 0 | 3 | 0 | 0 | 0 | 3 |
| SE | 0 | 2 | 2 | 0 | 0 | 0 | 4 |
| SSE | 1 | 2 | 2 | 2 | 0 | 0 | 7 |
| S | 0 | 5 | 6 | 1 | 0 | 0 | 12 |
| SSW | 3 | 4 | 7 | 1 | 0 | 0 | 15 |
| SW | 1 | 9 | 17 | 5 | 0 | 0 | 32 |
| WSW | 0 | 8 | 5 | 6 | 1 | 0 | 20 |
| W | 0 | 1 | 10 | 6 | 1 | 0 | 18 |
| WNW | 0 | 3 | 9 | 14 | 1 | 0 | 27 |
| NW | 0 | 3 | 9 | 5 | 0 | 0 | 17 |
| NNW | 0 | 1 | 5 | 7 | 0 | 0 | 13 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 5 | 47 | 88 | 51 | 3 | 0 | 194 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 3
Hours of missing stability measurements in all stability classes: 3

**Peach Bottom Nuclear Station**

**Period of Record: April - June 2006**
**Stability Class - Extremely Stable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 2 | 6 | 0 | 0 | 0 | 8 |
| NNE | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| E | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| SW | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| WSW | 0 | 0 | 4 | 1 | 0 | 0 | 5 |
| W | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| WNW | 0 | 1 | 1 | 1 | 0 | 0 | 3 |
| NW | 0 | 3 | 5 | 0 | 0 | 0 | 8 |
| NNW | 0 | 4 | 7 | 0 | 0 | 0 | 11 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 17 | 26 | 2 | 0 | 0 | 45 |

**Hours of calm in this stability class: 0**
**Hours of missing wind measurements in this stability class: 0**
**Hours of missing stability measurements in all stability classes:**

**Peach Bottom Nuclear Station**

**Period of Record: July - September 2006**
**Stability Class - Extremely Unstable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 3 | 10 | 0 | 0 | 0 | 0 | 13 |
| NNE | 4 | 8 | 0 | 0 | 0 | 0 | 12 |
| NE | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| ENE | 12 | 0 | 0 | 0 | 0 | 0 | 12 |
| E | 9 | 0 | 0 | 0 | 0 | 0 | 9 |
| ESE | 8 | 0 | 0 | 0 | 0 | 0 | 8 |
| SE | 8 | 4 | 1 | 0 | 0 | 0 | 13 |
| SSE | 1 | 16 | 4 | 0 | 0 | 0 | 21 |
| S | 2 | 11 | 1 | 0 | 0 | 0 | 14 |
| SSW | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| SW | 1 | 2 | 0 | 0 | 0 | 0 | 3 |
| WSW | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| W | 1 | 4 | 0 | 0 | 0 | 0 | 5 |
| WNW | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| NW | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| NNW | 2 | 10 | 0 | 0 | 0 | 0 | 12 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 58 | 70 | 6 | 0 | 0 | 0 | 134 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: July - September 2006**
**Stability Class - Moderately Unstable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 4 | 12 | 0 | 0 | 0 | 0 | 16 |
| NNE | 6 | 4 | 0 | 0 | 0 | 0 | 10 |
| NE | 8 | 0 | 0 | 0 | 0 | 0 | 8 |
| ENE | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| E | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| ESE | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| SE | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| SSE | 1 | 6 | 2 | 0 | 0 | 0 | 9 |
| S | 2 | 16 | 2 | 0 | 0 | 0 | 20 |
| SSW | 1 | 8 | 0 | 0 | 0 | 0 | 9 |
| SW | 1 | 4 | 1 | 0 | 0 | 0 | 6 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 3 | 6 | 0 | 0 | 0 | 0 | 9 |
| WNW | 2 | 2 | 2 | 0 | 0 | 0 | 6 |
| NW | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| NNW | 2 | 15 | 0 | 0 | 0 | 0 | 17 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 41 | 77 | 7 | 0 | 0 | 0 | 125 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: July - September 2006**
**Stability Class - Slightly Unstable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

**Wind Speed (in mph)**

| Wind Direction | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 5 | 7 | 1 | 0 | 0 | 0 | 13 |
| NNE | 5 | 1 | 1 | 0 | 0 | 0 | 7 |
| NE | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| ENE | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| E | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 1 | 2 | 0 | 0 | 0 | 0 | 3 |
| SSE | 0 | 5 | 1 | 0 | 0 | 0 | 6 |
| S | 1 | 7 | 0 | 0 | 0 | 0 | 8 |
| SSW | 2 | 7 | 0 | 0 | 0 | 0 | 9 |
| SW | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| WSW | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| W | 3 | 2 | 1 | 0 | 0 | 0 | 6 |
| WNW | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| NW | 0 | 4 | 1 | 0 | 0 | 0 | 5 |
| NNW | 1 | 6 | 0 | 0 | 0 | 0 | 7 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 24 | 48 | 6 | 0 | 0 | 0 | 78 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

Peach Bottom Nuclear Station

Period of Record: July - September 2006
Stability Class - Neutral - 150Ft-33Ft Delta-T (F)

Winds Measured at 33 Feet

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 17 | 35 | 1 | 0 | 0 | 0 | 53 |
| NNE | 16 | 3 | 0 | 0 | 0 | 0 | 19 |
| NE | 9 | 0 | 0 | 0 | 0 | 0 | 9 |
| ENE | 6 | 0 | 0 | 0 | 0 | 0 | 6 |
| E | 10 | 1 | 0 | 0 | 0 | 0 | 11 |
| ESE | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| SE | 10 | 6 | 0 | 0 | 0 | 0 | 16 |
| SSE | 13 | 26 | 2 | 0 | 0 | 0 | 41 |
| S | 13 | 34 | 2 | 0 | 0 | 0 | 49 |
| SSW | 10 | 10 | 1 | 0 | 0 | 0 | 21 |
| SW | 4 | 16 | 0 | 0 | 0 | 0 | 20 |
| WSW | 7 | 17 | 3 | 0 | 0 | 0 | 27 |
| W | 8 | 15 | 0 | 0 | 0 | 0 | 23 |
| WNW | 6 | 22 | 1 | 0 | 0 | 0 | 29 |
| NW | 10 | 13 | 1 | 0 | 0 | 0 | 24 |
| NNW | 13 | 48 | 0 | 0 | 0 | 0 | 61 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 156 | 246 | 11 | 0 | 0 | 0 | 413 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

Peach Bottom Nuclear Station

Period of Record: July - September 2006
Stability Class - Slightly Stable - 150Ft-33Ft Delta-T (F)

Winds Measured at 33 Feet

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 47 | 49 | 1 | 0 | 0 | 0 | 97 |
| NNE | 10 | 5 | 5 | 0 | 0 | 0 | 20 |
| NE | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| ENE | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| E | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| ESE | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| SE | 23 | 19 | 0 | 0 | 0 | 0 | 42 |
| SSE | 64 | 62 | 1 | 0 | 0 | 0 | 127 |
| S | 58 | 48 | 1 | 0 | 0 | 0 | 107 |
| SSW | 31 | 13 | 0 | 0 | 0 | 0 | 44 |
| SW | 29 | 28 | 1 | 0 | 0 | 0 | 58 |
| WSW | 31 | 32 | 1 | 0 | 0 | 0 | 64 |
| W | 27 | 32 | 0 | 0 | 0 | 0 | 59 |
| WNW | 31 | 21 | 0 | 0 | 0 | 0 | 52 |
| NW | 21 | 32 | 0 | 0 | 0 | 0 | 53 |
| NNW | 41 | 26 | 0 | 0 | 0 | 0 | 67 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 435 | 367 | 10 | 0 | 0 | 0 | 812 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: July - September 2006**
**Stability Class - Moderately Stable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

**Wind Speed (in mph)**

| Wind Direction | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 2 | 1 | 0 | 0 | 0 | 0 | 3 |
| NNE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| NE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| SE | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| SSE | 11 | 4 | 0 | 0 | 0 | 0 | 15 |
| S | 9 | 2 | 0 | 0 | 0 | 0 | 11 |
| SSW | 10 | 3 | 0 | 0 | 0 | 0 | 13 |
| SW | 18 | 4 | 0 | 0 | 0 | 0 | 22 |
| WSW | 39 | 34 | 0 | 0 | 0 | 0 | 73 |
| W | 36 | 13 | 0 | 0 | 0 | 0 | 49 |
| WNW | 29 | 10 | 0 | 0 | 0 | 0 | 39 |
| NW | 17 | 7 | 1 | 0 | 0 | 0 | 25 |
| NNW | 13 | 6 | 0 | 0 | 0 | 0 | 19 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 191 | 84 | 1 | 0 | 0 | 0 | 276 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

Peach Bottom Nuclear Station

Period of Record: July - September 2006
Stability Class - Extremely Stable - 150Ft-33Ft Delta-T (F)

Winds Measured at 33 Feet

Wind Speed (in mph)

| Wind Direction | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| SW | 22 | 6 | 0 | 0 | 0 | 0 | 28 |
| WSW | 59 | 14 | 0 | 0 | 0 | 0 | 73 |
| W | 18 | 2 | 0 | 0 | 0 | 0 | 20 |
| WNW | 8 | 0 | 0 | 0 | 0 | 0 | 8 |
| NW | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 109 | 23 | 0 | 0 | 0 | 0 | 132 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: July - September 2006**
**Stability Class - Extremely Unstable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| ENE | 0 | 3 | 1 | 0 | 0 | 0 | 4 |
| E | 0 | 2 | 1 | 0 | 0 | 0 | 3 |
| ESE | 0 | 4 | 1 | 0 | 0 | 0 | 5 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 10 | 4 | 0 | 0 | 0 | 14 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 13

**Peach Bottom Nuclear Station**

**Period of Record: July - September 2006**
**Stability Class - Moderately Unstable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| NNE | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| NE | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| ENE | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| E | 0 | 5 | 0 | 0 | 0 | 0 | 5 |
| ESE | 0 | 1 | 2 | 0 | 0 | 0 | 3 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 4 | 1 | 0 | 0 | 5 |
| S | 0 | 1 | 5 | 1 | 0 | 0 | 7 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 1 | 2 | 0 | 0 | 0 | 3 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 16 | 14 | 2 | 0 | 0 | 32 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 13

**Peach Bottom Nuclear Station**

**Period of Record: July - September 2006**
**Stability Class - Slightly Unstable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| NNE | 0 | 6 | 2 | 0 | 0 | 0 | 8 |
| NE | 2 | 2 | 1 | 0 | 0 | 0 | 5 |
| ENE | 2 | 3 | 2 | 0 | 0 | 0 | 7 |
| E | 0 | 6 | 1 | 0 | 0 | 0 | 7 |
| ESE | 0 | 5 | 2 | 0 | 0 | 0 | 7 |
| SE | 0 | 1 | 3 | 1 | 0 | 0 | 5 |
| SSE | 0 | 2 | 3 | 3 | 0 | 0 | 8 |
| S | 0 | 0 | 3 | 4 | 1 | 0 | 8 |
| SSW | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| SW | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| WSW | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| W | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| NNW | 0 | 2 | 5 | 0 | 0 | 0 | 7 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 4 | 33 | 26 | 8 | 1 | 0 | 72 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 13

**Peach Bottom Nuclear Station**

**Period of Record: July - September 2006**
**Stability Class - Neutral - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 24 | 20 | 9 | 0 | 0 | 53 |
| NNE | 5 | 14 | 14 | 6 | 0 | 0 | 39 |
| NE | 9 | 16 | 18 | 10 | 0 | 3 | 56 |
| ENE | 6 | 14 | 12 | 3 | 1 | 0 | 36 |
| E | 9 | 16 | 8 | 12 | 0 | 0 | 45 |
| ESE | 1 | 8 | 6 | 6 | 0 | 0 | 21 |
| SE | 3 | 8 | 9 | 3 | 0 | 0 | 23 |
| SSE | 2 | 12 | 37 | 13 | 2 | 1 | 67 |
| S | 0 | 16 | 38 | 30 | 1 | 0 | 85 |
| SSW | 1 | 19 | 27 | 11 | 1 | 0 | 59 |
| SW | 1 | 13 | 18 | 7 | 0 | 0 | 39 |
| WSW | 1 | 10 | 19 | 11 | 2 | 1 | 44 |
| W | 1 | 12 | 19 | 5 | 0 | 0 | 37 |
| WNW | 3 | 8 | 25 | 15 | 0 | 0 | 51 |
| NW | 0 | 16 | 31 | 19 | 1 | 0 | 67 |
| NNW | 4 | 39 | 47 | 13 | 0 | 0 | 103 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 46 | 245 | 348 | 173 | 8 | 5 | 825 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 5
Hours of missing stability measurements in all stability classes: 13

**Peach Bottom Nuclear Station**

**Period of Record: July - September 2006**
**Stability Class - Slightly Stable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 13 | 30 | 17 | 0 | 0 | 60 |
| NNE | 1 | 13 | 22 | 4 | 0 | 0 | 40 |
| NE | 4 | 12 | 9 | 6 | 3 | 11 | 45 |
| ENE | 2 | 10 | 8 | 1 | 1 | 3 | 25 |
| E | 6 | 20 | 7 | 2 | 0 | 0 | 35 |
| ESE | 2 | 13 | 6 | 1 | 0 | 0 | 22 |
| SE | 0 | 17 | 24 | 11 | 0 | 0 | 52 |
| SSE | 1 | 21 | 42 | 23 | 1 | 0 | 88 |
| S | 1 | 16 | 49 | 52 | 3 | 0 | 121 |
| SSW | 1 | 6 | 45 | 12 | 0 | 0 | 64 |
| SW | 4 | 12 | 28 | 11 | 0 | 0 | 55 |
| WSW | 1 | 11 | 28 | 24 | 2 | 0 | 66 |
| W | 3 | 12 | 20 | 16 | 2 | 0 | 53 |
| WNW | 2 | 8 | 16 | 18 | 3 | 0 | 47 |
| NW | 3 | 6 | 21 | 22 | 2 | 0 | 54 |
| NNW | 2 | 18 | 24 | 17 | 0 | 0 | 61 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 33 | 208 | 379 | 237 | 17 | 14 | 888 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 13
Hours of missing stability measurements in all stability classes: 13

**Peach Bottom Nuclear Station**

**Period of Record: July - September 2006**
**Stability Class - Moderately Stable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 1 | 7 | 15 | 1 | 0 | 0 | 24 |
| NNE | 1 | 2 | 2 | 0 | 0 | 0 | 5 |
| NE | 1 | 1 | 1 | 0 | 0 | 0 | 3 |
| ENE | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| E | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| ESE | 1 | 3 | 2 | 0 | 0 | 0 | 6 |
| SE | 2 | 7 | 1 | 0 | 0 | 0 | 10 |
| SSE | 2 | 3 | 1 | 0 | 0 | 0 | 6 |
| S | 3 | 5 | 4 | 2 | 0 | 0 | 14 |
| SSW | 0 | 10 | 4 | 0 | 0 | 0 | 14 |
| SW | 3 | 8 | 3 | 4 | 1 | 0 | 19 |
| WSW | 4 | 9 | 13 | 15 | 0 | 0 | 41 |
| W | 1 | 8 | 14 | 22 | 0 | 0 | 45 |
| WNW | 3 | 8 | 3 | 14 | 2 | 0 | 30 |
| NW | 5 | 5 | 12 | 8 | 1 | 0 | 31 |
| NNW | 2 | 4 | 15 | 7 | 0 | 0 | 28 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 29 | 82 | 90 | 73 | 4 | 0 | 278 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 3
Hours of missing stability measurements in all stability classes: 13

**Peach Bottom Nuclear Station**

**Period of Record: July - September 2006**
**Stability Class - Extremely Stable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 2 | 6 | 2 | 0 | 0 | 0 | 10 |
| NNE | 1 | 2 | 1 | 0 | 0 | 0 | 4 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| SW | 1 | 2 | 1 | 0 | 0 | 0 | 4 |
| WSW | 0 | 2 | 1 | 0 | 0 | 0 | 3 |
| W | 1 | 3 | 5 | 1 | 0 | 0 | 10 |
| WNW | 3 | 1 | 1 | 1 | 1 | 0 | 7 |
| NW | 4 | 2 | 5 | 1 | 0 | 0 | 12 |
| NNW | 1 | 5 | 6 | 0 | 0 | 0 | 12 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 15 | 24 | 22 | 3 | 1 | 0 | 65 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 13

Facility: Peach Bottom Units 2 & 3 Licensee: Exelon Generation Company, LLC
PSEG Nuclear, LLC

**Peach Bottom Nuclear Station**

**Period of Record: October - December2006**
**Stability Class - Extremely Unstable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 8 | 1 | 0 | 0 | 0 | 9 |
| NNE | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| E | 9 | 0 | 0 | 0 | 0 | 0 | 9 |
| ESE | 2 | 2 | 0 | 0 | 0 | 0 | 4 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 2 | 1 | 0 | 0 | 0 | 3 |
| S | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| SSW | 0 | 2 | 1 | 0 | 0 | 0 | 3 |
| SW | 0 | 2 | 5 | 0 | 0 | 0 | 7 |
| WSW | 0 | 4 | 1 | 0 | 0 | 0 | 5 |
| W | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 3 | 1 | 0 | 0 | 0 | 4 |
| NNW | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 14 | 27 | 11 | 0 | 0 | 0 | 52 |

**Hours of calm in this stability class: 0**
**Hours of missing wind measurements in this stability class: 0**
**Hours of missing stability measurements in all stability classes: 0**

**Peach Bottom Nuclear Station**

**Period of Record: October - December2006**
**Stability Class - Moderately Unstable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| ENE | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| E | 7 | 1 | 0 | 0 | 0 | 0 | 8 |
| ESE | 2 | 3 | 0 | 0 | 0 | 0 | 5 |
| SE | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| SSE | 0 | 2 | 2 | 0 | 0 | 0 | 4 |
| S | 0 | 4 | 2 | 0 | 0 | 0 | 6 |
| SSW | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| SW | 0 | 2 | 5 | 0 | 0 | 0 | 7 |
| WSW | 1 | 9 | 5 | 0 | 0 | 0 | 15 |
| W | 0 | 3 | 5 | 2 | 0 | 0 | 10 |
| WNW | 0 | 2 | 2 | 0 | 0 | 0 | 4 |
| NW | 0 | 8 | 7 | 0 | 0 | 0 | 15 |
| NNW | 0 | 9 | 7 | 0 | 0 | 0 | 16 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 18 | 47 | 36 | 2 | 0 | 0 | 103 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: October - December2006**
**Stability Class - Slightly Unstable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| NE | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| ENE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| E | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| ESE | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| SE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| SSE | 0 | 3 | 3 | 0 | 0 | 0 | 6 |
| S | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| SSW | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| SW | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| WSW | 0 | 2 | 1 | 0 | 0 | 0 | 3 |
| W | 1 | 2 | 4 | 1 | 0 | 0 | 8 |
| WNW | 0 | 4 | 6 | 0 | 0 | 0 | 10 |
| NW | 0 | 6 | 14 | 0 | 0 | 0 | 20 |
| NNW | 0 | 5 | 3 | 0 | 0 | 0 | 8 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 9 | 29 | 32 | 1 | 0 | 0 | 71 |

**Hours of calm in this stability class: 0**
**Hours of missing wind measurements in this stability class: 0**
**Hours of missing stability measurements in all stability classes: 0**

Peach Bottom Nuclear Station

Period of Record: October - December2006
Stability Class - Neutral - 150Ft-33Ft Delta-T (F)

Winds Measured at 33 Feet

Wind Speed (in mph)

| Wind Direction | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 1 | 4 | 21 | 0 | 0 | 0 | 26 |
| NNE | 5 | 2 | 1 | 0 | 0 | 0 | 8 |
| NE | 6 | 0 | 0 | 0 | 0 | 0 | 6 |
| ENE | 9 | 0 | 0 | 0 | 0 | 0 | 9 |
| E | 11 | 0 | 0 | 0 | 0 | 0 | 11 |
| ESE | 4 | 2 | 0 | 0 | 0 | 0 | 6 |
| SE | 5 | 13 | 5 | 1 | 0 | 0 | 24 |
| SSE | 4 | 23 | 5 | 4 | 0 | 0 | 36 |
| S | 0 | 12 | 4 | 1 | 0 | 0 | 17 |
| SSW | 2 | 5 | 0 | 0 | 0 | 0 | 7 |
| SW | 1 | 6 | 2 | 0 | 0 | 0 | 9 |
| WSW | 4 | 7 | 4 | 1 | 0 | 0 | 16 |
| W | 1 | 15 | 30 | 4 | 0 | 0 | 50 |
| WNW | 1 | 40 | 63 | 2 | 0 | 0 | 106 |
| NW | 4 | 48 | 60 | 8 | 0 | 0 | 120 |
| NNW | 3 | 24 | 20 | 3 | 0 | 0 | 50 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 61 | 201 | 215 | 24 | 0 | 0 | 501 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: October - December2006**
**Stability Class - Slightly Stable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

**Wind Speed (in mph)**

| Wind Direction | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 9 | 8 | 8 | 0 | 0 | 0 | 25 |
| NNE | 19 | 8 | 0 | 0 | 0 | 0 | 27 |
| NE | 21 | 0 | 0 | 0 | 0 | 0 | 21 |
| ENE | 29 | 0 | 0 | 0 | 0 | 0 | 29 |
| E | 62 | 12 | 0 | 0 | 0 | 0 | 74 |
| ESE | 42 | 20 | 0 | 0 | 0 | 0 | 62 |
| SE | 44 | 31 | 5 | 3 | 0 | 0 | 83 |
| SSE | 34 | 39 | 13 | 1 | 0 | 0 | 87 |
| S | 30 | 20 | 14 | 0 | 0 | 0 | 64 |
| SSW | 14 | 7 | 0 | 0 | 0 | 0 | 21 |
| SW | 4 | 20 | 1 | 0 | 0 | 0 | 25 |
| WSW | 10 | 36 | 6 | 5 | 0 | 0 | 57 |
| W | 11 | 84 | 7 | 2 | 0 | 0 | 104 |
| WNW | 9 | 73 | 3 | 0 | 0 | 0 | 85 |
| NW | 11 | 35 | 19 | 0 | 0 | 0 | 65 |
| NNW | 4 | 7 | 9 | 0 | 0 | 0 | 20 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 353 | 400 | 85 | 11 | 0 | 0 | 849 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: October - December2006**
**Stability Class - Moderately Stable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

**Wind Speed (in mph)**

| Wind Direction | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| NE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| ENE | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| E | 14 | 2 | 0 | 0 | 0 | 0 | 16 |
| ESE | 11 | 3 | 0 | 0 | 0 | 0 | 14 |
| SE | 8 | 0 | 0 | 0 | 0 | 0 | 8 |
| SSE | 4 | 1 | 0 | 0 | 0 | 0 | 5 |
| S | 4 | 2 | 0 | 0 | 0 | 0 | 6 |
| SSW | 8 | 4 | 0 | 0 | 0 | 0 | 12 |
| SW | 23 | 11 | 0 | 0 | 0 | 0 | 34 |
| WSW | 16 | 28 | 0 | 0 | 0 | 0 | 44 |
| W | 11 | 17 | 0 | 0 | 0 | 0 | 28 |
| WNW | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| NW | 8 | 1 | 0 | 0 | 0 | 0 | 9 |
| NNW | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 121 | 69 | 0 | 0 | 0 | 0 | 190 |

**Hours of calm in this stability class: 0**
**Hours of missing wind measurements in this stability class: 0**
**Hours of missing stability measurements in all stability classes: 0**

**Peach Bottom Nuclear Station**

**Period of Record: October - December2006**
**Stability Class - Extremely Stable - 150Ft-33Ft Delta-T (F)**

**Winds Measured at 33 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| ENE | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| E | 19 | 0 | 0 | 0 | 0 | 0 | 19 |
| ESE | 6 | 0 | 0 | 0 | 0 | 0 | 6 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| SW | 22 | 14 | 0 | 0 | 0 | 0 | 36 |
| WSW | 29 | 10 | 0 | 0 | 0 | 0 | 39 |
| W | 12 | 5 | 0 | 0 | 0 | 0 | 17 |
| WNW | 11 | 0 | 0 | 0 | 0 | 0 | 11 |
| NW | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| NNW | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 115 | 29 | 0 | 0 | 0 | 0 | 144 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

**Peach Bottom Nuclear Station**

**Period of Record: October - December2006**
**Stability Class - Extremely Unstable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 1 | 0 | 1 | 0 | 0 | 2 |

**Hours of calm in this stability class: 0**
**Hours of missing wind measurements in this stability class: 0**
**Hours of missing stability measurements in all stability classes: 4**

**Peach Bottom Nuclear Station**

**Period of Record: October - December2006**
**Stability Class - Moderately Unstable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNE | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| SSW | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 2 | 2 | 1 | 1 | 0 | 6 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 4

**Peach Bottom Nuclear Station**

**Period of Record: October - December2006**
**Stability Class - Slightly Unstable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| NNE | 0 | 0 | 2 | 1 | 0 | 0 | 3 |
| NE | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESE | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| SE | 0 | 1 | 2 | 0 | 0 | 0 | 3 |
| SSE | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| S | 0 | 0 | 1 | 0 | 2 | 0 | 3 |
| SSW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SW | 0 | 0 | 2 | 1 | 2 | 0 | 5 |
| WSW | 0 | 0 | 3 | 2 | 1 | 0 | 6 |
| W | 0 | 0 | 1 | 5 | 0 | 2 | 8 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NW | 0 | 0 | 1 | 0 | 2 | 0 | 3 |
| NNW | 0 | 0 | 0 | 3 | 0 | 0 | 3 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 1 | 18 | 12 | 7 | 2 | 40 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 4

**Peach Bottom Nuclear Station**

**Period of Record: October - December2006**
**Stability Class - Neutral - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 1 | 5 | 5 | 15 | 6 | 0 | 32 |
| NNE | 4 | 4 | 2 | 23 | 19 | 0 | 52 |
| NE | 3 | 2 | 9 | 11 | 4 | 0 | 29 |
| ENE | 5 | 7 | 3 | 0 | 1 | 0 | 16 |
| E | 4 | 4 | 6 | 0 | 0 | 0 | 14 |
| ESE | 2 | 12 | 17 | 10 | 0 | 0 | 41 |
| SE | 2 | 9 | 15 | 9 | 7 | 2 | 44 |
| SSE | 0 | 5 | 15 | 2 | 2 | 0 | 24 |
| S | 1 | 9 | 22 | 15 | 18 | 6 | 71 |
| SSW | 1 | 6 | 9 | 3 | 1 | 0 | 20 |
| SW | 0 | 0 | 6 | 9 | 1 | 0 | 16 |
| WSW | 0 | 6 | 8 | 10 | 2 | 5 | 31 |
| W | 0 | 4 | 9 | 15 | 20 | 18 | 66 |
| WNW | 0 | 7 | 19 | 45 | 47 | 6 | 124 |
| NW | 1 | 3 | 30 | 46 | 43 | 13 | 136 |
| NNW | 1 | 9 | 41 | 54 | 21 | 5 | 131 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 25 | 92 | 216 | 267 | 192 | 55 | 847 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 4

**Peach Bottom Nuclear Station**

**Period of Record: October - December2006**
**Stability Class - Slightly Stable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 1 | 3 | 8 | 11 | 9 | 0 | 32 |
| NNE | 3 | 3 | 9 | 4 | 6 | 0 | 25 |
| NE | 1 | 4 | 8 | 5 | 2 | 0 | 20 |
| ENE | 2 | 4 | 14 | 2 | 1 | 0 | 23 |
| E | 2 | 9 | 13 | 1 | 0 | 0 | 25 |
| ESE | 0 | 7 | 43 | 22 | 2 | 0 | 74 |
| SE | 2 | 22 | 28 | 21 | 3 | 2 | 78 |
| SSE | 6 | 27 | 22 | 8 | 2 | 1 | 66 |
| S | 4 | 24 | 50 | 27 | 9 | 1 | 115 |
| SSW | 3 | 21 | 27 | 15 | 0 | 1 | 67 |
| SW | 2 | 7 | 15 | 12 | 1 | 0 | 37 |
| WSW | 2 | 11 | 7 | 17 | 2 | 1 | 40 |
| W | 1 | 8 | 16 | 45 | 7 | 2 | 79 |
| WNW | 0 | 6 | 7 | 40 | 16 | 0 | 69 |
| NW | 1 | 5 | 26 | 54 | 12 | 0 | 98 |
| NNW | 1 | 3 | 14 | 18 | 10 | 1 | 47 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 31 | 164 | 307 | 302 | 82 | 9 | 895 |

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 4
Hours of missing stability measurements in all stability classes: 4

**Peach Bottom Nuclear Station**

**Period of Record: October - December2006**
**Stability Class - Moderately Stable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 1 | 4 | 1 | 0 | 0 | 0 | 6 |
| NNE | 1 | 2 | 2 | 0 | 0 | 0 | 5 |
| NE | 2 | 1 | 6 | 1 | 0 | 0 | 10 |
| ENE | 0 | 3 | 2 | 0 | 0 | 0 | 5 |
| E | 1 | 2 | 1 | 0 | 0 | 0 | 4 |
| ESE | 0 | 3 | 0 | 1 | 0 | 0 | 4 |
| SE | 0 | 3 | 4 | 3 | 0 | 0 | 10 |
| SSE | 1 | 9 | 7 | 1 | 0 | 0 | 18 |
| S | 4 | 16 | 12 | 0 | 1 | 0 | 33 |
| SSW | 0 | 16 | 13 | 2 | 1 | 0 | 32 |
| SW | 1 | 16 | 7 | 6 | 0 | 0 | 30 |
| WSW | 6 | 13 | 10 | 6 | 0 | 0 | 35 |
| W | 6 | 7 | 8 | 14 | 0 | 0 | 35 |
| WNW | 3 | 3 | 4 | 11 | 0 | 0 | 21 |
| NW | 1 | 9 | 11 | 9 | 0 | 0 | 30 |
| NNW | 2 | 0 | 4 | 0 | 0 | 0 | 6 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 29 | 107 | 92 | 54 | 2 | 0 | 284 |

**Hours of calm in this stability class: 0**
**Hours of missing wind measurements in this stability class: 4**
**Hours of missing stability measurements in all stability classes: 4**

**Peach Bottom Nuclear Station**

**Period of Record: October - December2006**
**Stability Class - Extremely Stable - 316Ft-33Ft Delta-T (F)**

**Winds Measured at 320 Feet**

| Wind Direction | Wind Speed (in mph) 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | > 24 | Total |
|---|---|---|---|---|---|---|---|
| N | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| NNE | 2 | 3 | 0 | 0 | 0 | 0 | 5 |
| NE | 1 | 2 | 2 | 0 | 0 | 0 | 5 |
| ENE | 3 | 1 | 1 | 0 | 0 | 0 | 5 |
| E | 1 | 2 | 0 | 0 | 0 | 0 | 3 |
| ESE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| SSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 1 | 3 | 1 | 0 | 0 | 0 | 5 |
| SSW | 1 | 6 | 4 | 0 | 0 | 0 | 11 |
| SW | 0 | 4 | 2 | 1 | 0 | 0 | 7 |
| WSW | 0 | 10 | 14 | 9 | 1 | 0 | 34 |
| W | 0 | 3 | 8 | 6 | 1 | 0 | 18 |
| WNW | 1 | 6 | 2 | 0 | 0 | 0 | 9 |
| NW | 0 | 3 | 3 | 1 | 0 | 0 | 7 |
| NNW | 0 | 4 | 2 | 0 | 0 | 0 | 6 |
| Variable | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 12 | 49 | 39 | 17 | 2 | 0 | 119 |

**Hours of calm in this stability class: 0**
**Hours of missing wind measurements in this stability class: 3**
**Hours of missing stability measurements in all stability classes: 4**