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U. S. Nuclear Regulatory Commission
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Subject: Peach Bottom Atomic Power Station Units 2 and 3
Independent Spent Fuel Storage Installation (ISFSI)
Facility Operating License DPR-44 and DPR-56
NRC Docket 50-277 and 50-278 and ISFSI Docket 72-29

Annual Radioactive Effluent Release Report 53
January 1, 2010 through December 31, 2010

Enclosed is the Annual Radioactive Effluent Release Report 53, January 1, 2010, through December 31, 2010, for Peach Bottom Atomic Power Station Units 2 and 3.

This report is being submitted in compliance with 10CFR50.36a (2) and the Technical Specifications of Operating Licenses DPR-44 and DPR-56, and to fulfill the requirements of ODCM 3.10.2. Additionally, this report is submitted to satisfy annual effluent reporting requirements for the ISFSI required by the Offsite Dose Calculation Manual (ODCM).

There was no revision made to the ODCM for the 2010 reporting period.

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,

Garey L. Stathes

Garey L. Stathes, Plant Manager
Peach Bottom Atomic Power Station

GLS/RJR/AMC/bcb

Enclosure (2)

ccn 11-37

cc: William Dean, Administrator, Region I, USNRC
G. F. Wunder, Project Manager, USNRC
F. Bower, USNRC Senior Resident Inspector, PBAPS A4

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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. 53

JANUARY 1, 2010 THROUGH DECEMBER 31, 2010

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

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Technical Concurrences: (for accuracy of information)

G.R. Stenclik / G.R. Stenclik 4-20-11

Chemistry / Radwaste Manager Date

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, 2010 through December 31, 2010. 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 four unplanned releases of liquid radioactive material. Two releases were from RHR heat exchangers, one was from a groundwater tritium plume and one from a leak of radioactive water through the auxiliary boilers.

There was one unplanned gaseous release during work on recoating the Torus Dewatering Tank.

The maximum calculated organ dose (Bone) from iodines, tritium, carbon-14 (C-14) and particulates to any individual due to gaseous effluents was 5.49E-01 mrem, which was approximately 1.83E+00 percent of the annual limit. Carbon-14 was included as a principal nuclide for the first time in this report. The large increase in organ dose from gaseous effluents compared to previous years was due to C-14. The maximum calculated gamma air dose in the UNRESTRICTED Area due to noble gas effluents was 1.78E-01mrad, which was 8.90E-01 percent of the annual limit.

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

There were no changes made to RW-AA-100 "Process Control Program for Radioactive Waste" in 2010.

There was one change needed for the 2009 Effluent Report. In the 2009 report, Revision 13 of the ODCM was included without the change matrix. Therefore, Appendix A contains the change descriptions for Revision 13 of the ODCM.

There were no changes made to the ODCM during the 2010 reporting period. Therefore, Appendix B is left intentionally blank.

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

Attachment 1

Supplemental Information

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 (Annual Dose Equivalent)

≤ 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 μCi/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 weekly to determine the isotopic mixture of noble gas activity released for the week. 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 analyses of Sr-89, Sr-90 and gross alpha.

D. Carbon-14 (C-14)

The amount of C-14 (Ci) released was estimated using the guidance from EPRI Technical Report 1021106, Estimation of Carbon-14 in Nuclear Power Plant Gaseous Effluents. The C-14 was released primarily through the stack (97%) with a small amount (3%) through the plant vents. The effluent in liquid effluents was determined to not be significant. The resulting annual dose to a child from gaseous releases was 5.49E-01 mrem to the bone.

E. 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 analyses of Fe-55, P-32, Sr-89, Sr-90 and gross alpha.

About 900 gal of water from Peach Bottom Unit 1 that were contaminated with tritium (0.01 Ci) were transported to Units 2 & 3 radwaste system and discharged through the laundry drain system as normal discharges. The dose contributions and isotope quantities from the releases were added to this Radioactive Effluent Release Report for the applicable reporting periods.

F. 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:	40	10	22	13
Total Time for batch releases (minutes)	9.51E+03	1.84E+03	5.08E+03	1.53E+03
Maximum time period for batch release (minutes):	985	262	310	278
Average time period for batch release (minutes):	238	184	231	118
Minimum time period for batch release (minutes):	40	45	35	40
Average Stream Flow	*	*	*	*
Dilution volume (liters):	3.58E+10	9.39E+09	2.24E+10	4.90E+09

*Stream flow not used for dose calculations

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: Four abnormal release sources

A. Liquid:

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

On 06/16/2010, routine sampling of the HPSW effluent to the discharge canal detected low-level radioactive contamination. Subsequent investigation determined that primary coolant water was leaking through the Unit 2C RHR heat exchanger into the 2A loop of the HPSW system. The leak rate range was 0.0111 GPM to 0.900 GPM to the end of September 2010. The 2C RHR heat exchanger was repaired September 21, 2010.

Analysis of Releases

It was estimated that the contaminated water released to the discharge canal for all of 2010 was responsible for 1.463E-03 mrem total body dose (Adult), and 2.20 E-03 mrem Critical Organ (Teen Liver) 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 analyses 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 – 3A Residual Heat Removal (RHR) to High Pressure Service Water (HPSW) leak

On 04/08/2008, routine sampling of the HPSW effluent to the discharge canal detected low-level radioactive contamination. Subsequent investigation determined that primary coolant water was leaking through the Unit 3A RHR heat exchanger into the 3A loop of the HPSW system. The 3A RHR

continued to be a source of contamination to the end of 2010. The leak rate ranged from was 0.0003 GPM to 0.0075 GPM throughout the year. The repair of this leak is in the Peach Bottom Corrective Action Program (CAP). Refer to Issue Report (IR) 694879 and Action Request (AR) A163809.

Analysis of Releases

It was estimated that the contaminated water released to the discharge canal for all of 2010 was responsible for 1.14E-04 mrem total body dose (Adult), and 2.02E-04 mrem Critical Organ (Teen Liver) 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 analyses of Fe-55, P-32, Sr-89, Sr-90 and gross alpha. 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 – Ground Water Plume

During 2010, during the sampling and analysis 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 be discharge into the intake or 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 concentration ranging from 1.10E-05 uCi/ml to 3.00E-04 uCi/ml, the ground water released to the discharge canal was responsible for 9.80E-04 mrem total body dose (Child), and 9.80E-04 mrem Critical Organ dose (Child). This dose contribution was well below the limits specified in the ODCM.

4. Event Description – Auxiliary Boiler

Water from the Auxiliary Boiler steam that was contaminated with tritium entered the sample sink drain. Samples ranged from 2.10E-05 uCi/ml to 2.82E-05 uCi/ml. There was also Co-60 at a concentration of 8.00E-09 uCi/ml found in one sample. The discharge canal is a monitored discharge point.

Analysis of Releases

The estimated flow to the discharge canal is at a rate of 3 GPM. For this release, 1.87 E-07 mrem total body dose (Child), and 2.47E-07 mrem Critical Organ dose (Adult – GI-LLI). This dose contribution was well below the limits specified in the ODCM.

B. Gaseous:

1. Event Description – Torus Dewatering Tank Internal Inspection

During inspection and repair of the Torus Dewatering Tank, a tent was built for workers to enter and exit the work area. The initial discovery of Co-60 occurred on 04/12/10 through 08/01/10. Air samples detected Co-60 ranging from 1.65 E-11 uCi/cc to 1.58E-08 uCi/cc. One sample also detected Cs-137 at 5.62E-10 uCi/cc.

Analysis of Releases

The estimated flow through the ventilation was 240 CFM. For this time period there was 0.00 mrem/year Thyroid dose rate and 7.47E-03 mrem/year dose rate for Lung. This dose contribution was well below the limits specified in the ODCM.

8. Changes to the ODCM:

No changes to the ODCM were made in 2010.

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 cases, the LLD requirements were satisfied.

   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. There were no violations for the 2010 reporting period.

Attachment 2

Effluent Summary

Facility: Peach Bottom Units 2 & 3

Licensee: Exelon Generation Company, LLC
PSEG Nuclear, LLC

Gaseous Effluents - Summary Of All Releases

Period: January 1, 2010 through December 31, 2010 **Unit: Peach Bottom**

A. Fission & Activation Gases	Units	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Est. Total Error %
1. Total Release	Ci	1.90E+02	2.01E+02	2.29E+02	1.53E+02	3.51E+01
2. Average Release Rate for Period	µCi/sec	2.44E+01	2.56E+01	2.88E+01	1.92E+01	
3. Gamma Air Dose	mrad	4.32E-02	5.24E-02	4.68E-02	3.32E-02	
4. Beta Air Dose	mrad	2.96E-02	3.57E-02	3.22E-02	2.28E-02	
5. Percent of ODCM Limit						
- Gamma Air Dose	%	4.32E-01	5.24E-01	4.68E-01	3.32E-01	
- Beta Air Dose	%	1.48E-01	1.79E-01	1.61E-01	1.14E-01	

B. Iodines

1. Total – I-131	Ci	3.76E-04	6.22E-04	7.47E-04	2.15E-04	1.76E+01
2. Average Release Rate for Period	µCi/sec	4.84E-05	7.92E-05	9.40E-05	2.71E-05	
3. Percent of ODCM limit	%	*	*	*	*	

C. Particulate

1. Particulates with T 1/2 > 8 days	Ci	1.78E-04	1.77E-04	2.02E-04	1.05E-04	1.94E+01
2. Average Release Rate for Period	µCi/sec	2.29E-05	2.26E-05	2.55E-05	1.32E-05	
3. Percent of ODCM limit	%	*	*	*	*	

D. Tritium

1. Total Release	Ci	8.28E+00	7.62E+00	1.06E+01	1.27E+01	1.11E+01
2. Average Release Rate for Period	µCi/sec	1.07E+00	9.70E-01	1.34E+00	1.60E+00	
3. Percent of ODCM limit	%	*	*	*	*	

E. Gross Alpha

1. Total Release	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E+02
2. Average Release Rate for Period	µCi/sec	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
3. Percent of ODCM limit	%	*	*	*	*	

F. Carbon-14

1. Total Release	Ci	8.88E+00	8.88E+00	8.88E+00	8.88E+00
2. Average Release Rate for Period	µCi/sec	1.14E+00	1.13E+00	1.12E+00	1.12E+00

G. Iodine 131 & 133, Tritium, Carbon-14 & Particulate

1. Organ Dose	mrem	1.40E-01	1.41E-01	1.42E-01	1.38E-01
2. Percent of ODCM Limit	%	9.31E-01	9.42E-01	9.49E-01	9.23E-01

* ODCM Limit is for combined Iodine, tritium, Carbon-14 and particulate only, which is shown in Item G.

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

Gaseous Release Point: Elevated Release

Period: January 1, 2010 through December 31, 2010 **Unit: Peach Bottom**

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	1.48E+00	<LLD	<LLD	<LLD	<LLD	<LLD
Kr-87	Ci	3.22E-01	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Kr-88	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Xe-133	Ci	<LLD	<LLD	1.59E+01	<LLD	<LLD	<LLD	<LLD	<LLD
Xe-135	Ci	1.03E+01	1.17E+01	6.70E-01	2.15E+01	<LLD	<LLD	<LLD	<LLD
Xe-135m	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Xe-137	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Xe-138	Ci	6.43E+00	3.57E+00	2.21E+01	<LLD	<LLD	<LLD	<LLD	<LLD
Ar-41	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Unidentified	Ci	4.45E+00	3.95E+00	7.51E+00	2.02E+01	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	2.15E+01	1.92E+01	4.77E+01	4.17E+01	<LLD	<LLD	<LLD	<LLD
2. Iodines									
I-131	Ci	1.13E-04	1.67E-04	2.49E-04	1.82E-04	<LLD	<LLD	<LLD	<LLD
I-133	Ci	2.45E-04	4.45E-04	5.57E-04	2.71E-04	<LLD	<LLD	<LLD	<LLD
I-135	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	3.58E-04	6.12E-04	8.06E-04	4.53E-04	<LLD	<LLD	<LLD	<LLD
3. Particulates									
Sr-89	Ci	1.08E-04	1.01E-04	8.19E-05	5.13E-05	<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
Cs-137	Ci	<LLD	<LLD	<LLD	1.01E-06	<LLD	<LLD	<LLD	<LLD
Ba-140	Ci	6.21E-05	4.09E-05	3.76E-05	2.90E-05	<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	1.18E-06	<LLD	<LLD	<LLD	<LLD
Co-58	Ci	<LLD	<LLD	6.58E-07	<LLD	<LLD	<LLD	<LLD	<LLD
Co-60	Ci	1.75E-06	8.25E-06	1.73E-05	1.75E-05	<LLD	<LLD	<LLD	<LLD
Mo-99	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Ag-110m	Ci	<LLD	<LLD	<LLD	7.10E-07	<LLD	<LLD	<LLD	<LLD
Ce-141	Ci	<LLD	<LLD	<LLD	2.27E-07	<LLD	<LLD	<LLD	<LLD
Ce-144	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Fe-59	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Zn-65	Ci	<LLD	<LLD	<LLD	4.16E-06	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	1.72E-04	1.50E-04	1.37E-04	1.05E-04	<LLD	<LLD	<LLD	<LLD
4. Tritium									
H-3	Ci	4.04E-01	4.43E-01	7.86E-01	5.61E-01	<LLD	<LLD	<LLD	<LLD
5. Gross Alpha									
Gross Alpha	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
6. Carbon-14									
C-14	Ci	8.61E+00	8.61E+00	8.61E+00	8.61E+00	<LLD	<LLD	<LLD	<LLD

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

Gaseous Release Point: Ground Level Releases

Period: January 1, 2010 through December 31, 2010 **Unit: Peach Bottom**

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
Unidentified	Ci	1.68E+02	1.82E+02	1.81E+02	1.11E+02	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	1.68E+02	1.82E+02	1.81E+02	1.11E+02	<LLD	<LLD	<LLD	<LLD
2. Iodines									
I-131	Ci	2.63E-04	4.55E-04	4.98E-04	3.31E-05	<LLD	<LLD	<LLD	<LLD
I-133	Ci	4.07E-04	7.89E-04	1.20E-03	1.08E-04	<LLD	<LLD	<LLD	<LLD
I-135	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	6.70E-04	1.24E-03	1.69E-03	1.41E-04	<LLD	<LLD	<LLD	<LLD
3. Particulates									
Sr-89	Ci	<LLD	<LLD	<LLD	<LLD	<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
Cs-137	Ci	6.75E-06	<LLD	<LLD	<LLD	<LLD	<LLD	1.75E-04	<LLD
Ba-140	Ci	<LLD	<LLD	<LLD	<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	<LLD	2.73E-05	6.49E-05	<LLD	<LLD	2.71E-05	4.79E-03	<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	<LLD	<LLD	<LLD	<LLD	<LLD
Ce-144	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Fe-59	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Zn-65	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	6.75E-06	2.73E-05	6.49E-05	<LLD	<LLD	2.71E-05	4.97E-03	<LLD
4. Tritium									
H-3	Ci	7.88E+00	7.18E+00	9.83E+00	1.22E+01	<LLD	<LLD	<LLD	<LLD
5. Gross Alpha									
Gross Alpha	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
6. Carbon-14									
C-14	Ci	2.66E-01	2.66E-01	2.66E-01	2.66E-01	<LLD	<LLD	<LLD	<LLD

Facility: Peach Bottom Units 2 & 3

Licensee: Exelon Generation Company, LLC
PSEG Nuclear, LLC

Liquid Effluents - Summary Of All Liquid Radwaste Releases

Period: January 1, 2010 through December 31, 2010 **Unit: Peach Bottom**

A. Fission & Activation Products	Units	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Est. Total Error %
1. Total Release not including tritium, gases, alpha	Ci	8.58E-04	1.99E-02	3.60E-02	1.34E-02	2.11E+01
2. Average Diluted concentration during period	µCi/ml	1.75E-12	2.97E-11	5.97E-11	2.28E-11	
3. Percent of ODCM Limit						
-Total Body Dose	%	5.87E-06	0.00E+00	3.47E-04	4.03E-05	
-Organ Dose	%	1.23E-05	1.23E-05	1.23E-05	1.23E-05	

B. Tritium

	Units	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Est. Total Error %
1. Total Release	Ci	2.50E+01	2.85E+01	3.07E+01	2.74E+01	6.40E+00
2. Average diluted concentration during period	µCi/ml	5.11E-08	4.26E-08	5.09E-08	4.67E-08	
3. Percent of 10CFR20 limit	%	5.11E-03	4.26E-03	5.09E-03	4.67E-03	

C. Dissolved and Entrained Gases

	Units	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Est. Total Error %
1. Total Release	Ci	2.81E-05	1.23E-05	3.41E-05	5.86E-06	2.11E+01
2. Average diluted concentration	µCi/ml	5.75E-14	1.84E-14	5.65E-14	9.98E-15	
3. Percent of ODCM limit	%	2.87E-08	9.18E-09	2.82E-08	4.99E-09	

D. Gross Alpha Activity

	Units	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Est. Total Error %
1. Total Release	Ci	1.85E-06	1.62E-08	7.33E-07	4.89E-08	2.30E+01

E. Volume of Waste Released prior to dilution	Liters	2.18E+06	4.26E+05	1.27E+06	2.33E+05

F. Volume of Dilution Water Used During Period	Liters	4.89E+11	6.70E+11	6.03E+11	5.87E+11

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

Liquid Release Point: Liquid Radwaste

Period: January 1, 2010 through December 31, 2010 **Unit: Peach Bottom**

Nuclides Released		Continuous Mode				Batch Mode			
Fission & Activation Products	**Unit**	**Quarter 1**	**Quarter 2**	**Quarter 3**	**Quarter 4**	**Quarter 1**	**Quarter 2**	**Quarter 3**	**Quarter 4**
Sr-89	Ci	2.65E-07	4.48E-09	2.03E-07	1.35E-08	<LLD	<LLD	<LLD	<LLD
Sr-90	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Cs-134	Ci	<LLD	2.39E-08	1.65E-06	1.10E-07	<LLD	<LLD	<LLD	<LLD
Cs-137	Ci	1.78E-05	4.88E-07	2.21E-05	1.47E-06	<LLD	<LLD	7.98E-06	3.95E-07
I-131	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Co-58	Ci	6.47E-06	3.75E-03	9.04E-03	4.33E-03	<LLD	<LLD	<LLD	<LLD
Co-60	Ci	4.24E-04	2.36E-05	9.03E-03	1.87E-03	5.96E-05	<LLD	2.34E-05	<LLD
Fe-59	Ci	<LLD	<LLD	<LLD	2.51E-04	<LLD	<LLD	<LLD	<LLD
Zn-65	Ci	1.06E-04	6.85E-05	1.69E-04	3.42E-05	<LLD	<LLD	<LLD	<LLD
Mn-54	Ci	1.26E-04	5.37E-06	2.43E-04	1.62E-05	<LLD	<LLD	<LLD	<LLD
Cr-51	Ci	<LLD	<LLD	<LLD	5.96E-07	<LLD	<LLD	<LLD	<LLD
Zr-95	Ci	<LLD	<LLD	3.68E-04	1.49E-04	<LLD	<LLD	<LLD	<LLD
Nb-95	Ci	<LLD	2.24E-04	2.29E-04	9.27E-05	<LLD	<LLD	<LLD	<LLD
Mo-99	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Tc-99m	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Ba-140	Ci	<LLD	3.28E-07	1.49E-05	9.91E-07	<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	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Fe-55	Ci	1.18E-04	1.51E-02	1.57E-02	6.27E-03	<LLD	<LLD	<LLD	<LLD
Ce-144	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
P-32	Ci	<LLD	3.65E-09	2.53E-07	1.69E-08	<LLD	<LLD	<LLD	<LLD
Cs-136	Ci	<LLD	7.56E-04	1.09E-03	4.72E-07	<LLD	<LLD	<LLD	<LLD
Tc-104	Ci	<LLD	4.07E-08	2.82E-06	2.51E-07	<LLD	<LLD	<LLD	<LLD
Cs-138	Ci	<LLD	<LLD	6.40E-05	3.58E-04	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	7.99E-04	1.99E-02	3.60E-02	1.34E-02	5.96E-05	<LLD	3.14E-05	3.95E-07
Dissolved Entrained Gases									
X-133	Ci	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Xe-135	Ci	<LLD	<LLD	<LLD	<LLD	2.81E-05	1.23E-05	3.41E-05	5.86E-06
Tritium									
H-3	Ci	1.80E+01	2.70E+01	2.70E+01	2.68E+01	7.01E+00	1.52E+00	3.68E+00	6.35E-01
Gross Alpha									
Gross Alpha	Ci	1.85E-06	1.62E-08	7.33E-07	4.89E-08	<LLD	<LLD	<LLD	<LLD

Attachment 3

Solid Waste and Irradiated Fuel Shipments

A. SOLID WASTE SHIPPED OFF SITE FOR BURIAL OR DISPOSAL (Not irradiated fuel)

1. Type of Waste	units	2010	Est. error %
a: Spent resin, filters, sludges, evaporator bottoms, etc	M3	3.29E+01	
	Ci	2.96E+01	25
b: Dry compressible waste, contaminated equipment, etc.	M3	9.74E+02	
	Ci	5.27E+00	25
c: Irradiated components, control rods, etc.	M3	N/A	
	Ci	N/A	N/A
d: Other (describe) oil	M3	1.14E+01	
	Ci	2.58E-06	25

2. Estimate of major nuclide composition (by type of waste)

a: Spent resin, filters, sludges, evaporator bottoms, etc

nuclide	abundance (no cutoff)	activity (Ci)
H-3	0.100%	2.97E-02
C-14	0.906%	2.68E-01
Cr-51	0.000%	7.57E-06
Mn-54	3.616%	1.07E+00
Fe-55	26.188%	7.75E+00
Fe-59	0.000%	1.11E-04
Co-58	0.029%	8.46E-03
Co-60	51.362%	1.52E+01
Ni-63	2.000%	5.92E-01
Zn-65	4.089%	1.21E+00
Sr-89	0.000%	1.30E-04
Sr-90	0.032%	9.61E-03
Zr-95	0.000%	2.06E-05
Nb-95	0.000%	8.33E-07
Ag-110m	0.412%	1.22E-01
Sb-122	0.000%	1.22E-46
Sb-124	0.000%	1.93E-05
I-131	0.000%	6.87E-17
Cs-134	1.483%	4.39E-01
Cs-137	9.326%	2.76E+00
Ba-140	0.000%	7.72E-11
La-140	0.000%	3.68E-45
Ce-141	0.000%	1.27E-05
Ce-144	0.362%	1.07E-01
Nd-147	0.000%	1.63E-15
Eu-152	0.015%	4.39E-03
Hf-175	0.000%	1.67E-05
Pu-238	0.000%	1.02E-04
Pu-241	0.078%	2.31E-02
Am-241	0.000%	2.94E-05
Cm-242	0.000%	1.15E-05
Cm-243	0.001%	1.62E-04

b: Dry compressible waste, contaminated equipment, etc.

nuclide	abundance (no cutoff)	activity (Ci)
H-3	0.045%	2.38E-03
C-14	0.188%	9.90E-03
Cr-51	0.302%	1.59E-02
Mn-54	5.789%	3.05E-01
Fe-55	24.556%	1.29E+00
Fe-59	0.141%	7.44E-03
Co-58	0.408%	2.15E-02
Co-60	48.601%	2.56E+00
Ni-63	1.530%	8.06E-02
Zn-65	4.726%	2.49E-01
Sr-89	0.054%	2.84E-03
Sr-90	0.049%	2.58E-03
Nb-95	0.074%	3.88E-03
Ag-110m	0.420%	2.21E-02
Cs-134	1.338%	7.05E-02
Cs-137	11.533%	6.08E-01
Ce-144	0.216%	1.14E-02
Eu-152	0.000%	4.47E-08
Pu-238	0.000%	1.59E-05
Pu-241	0.030%	1.59E-03
Cm-242	0.000%	5.58E-06
Cm-243	0.001%	2.83E-05

c: Irradiated components, control rods, etc.

nuclide	abundance (no cutoff)	activity (Ci)
None for 2010		

d: Other (describe) oil

nuclide	abundance (no cutoff)	activity (Ci)
Co-60	28.976%	7.47E-07
Cs-137	22.149%	5.71E-07
Ce-144	48.875%	1.26E-06

3. Solid Waste Disposition

Number of shipments	Mode of Transportation	Destination
7	highway	Energy Solutions (Clive, UT)
32	highway	Energy Solutions (Oak Ridge, TN)

B. IRRADIATED FUEL SHIPMENTS (Disposition)
No shipment of irradiated fuel were made during the reporting period of 2010.

C. Changes to Process Control Program (PCP)

There no changes made to RW-AA-100 "Process Control Program for Radioactive Waste" in 2010.

Attachment 4

Radiological Impact on Man

1. Radiological Impact on Man

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	1.78E-01	All	1097	SSE	8.90E-01	20	mrad
Noble Gas	Beta – Air Dose	1.21E-01	All	1097	SSE	3.03E-01	40	mrad
Noble Gas	Total Body (Gamma)	2.68E-01	All	1097	SSE	2.68E+00	10	mrem
Noble Gas	Skin (Beta)	4.89E-01	All	1097	SSE	1.63E+00	30	mrem
Iodine, Particulate, Carbon-14 & Tritium	Bone	5.49E-01	Child	1097	SSE	1.83E+00	30	mrem
Liquid	Total Body	1.18E-05	Adult	Site Boundary		1.97E-04	6	mrem
Liquid	Liver	1.85E-05	Teen			9.25E-05	20	mrem
Direct Radiation	Total Body	<LLD	All	1150	SSE	<LLD	22	mrem
40 CFR Part 190 Compliance								
Total Dose	Total Body	2.68E-01	All	1148	SSE	1.07E+00	25	mrem
Total Dose	Thyroid	6.50E-01	All	1148	SSE	2.60E+00	25	mrem
Total Dose	Bone	6.50E-01	All	1148	SSE	8.67E-01	75	mrem
Total Dose	Bone	6.50E-01	All	1148	SSE	2.17E+01	3	mrem
Total Dose	Liver	1.85E-05	All	1148	SSE	6.17E-04	3	mrem
Total Dose	Thyroid	6.50E-01	All	1148	SSE	1.18E+00	55	mrem

Doses calculated were well below all ODCM limits.

2. 40 CFR 190 Doses

The annual dose equivalent to a real individual who is located beyond the SITE BOUNDARY from all uranium fuel cycle sources within 8 kilometers were well below 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.

Attachment 5

Meteorological Data

Peach Bottom Nuclear Station

Period of Record: January - March 2010
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	1	11	2	1	0	0	15
NNE	0	6	0	0	0	0	6
NE	4	0	0	0	0	0	4
ENE	13	2	0	0	0	0	15
E	10	8	0	0	0	0	18
ESE	1	10	0	0	0	0	11
SE	0	4	0	0	0	0	4
SSE	0	0	0	0	0	0	0
S	0	1	0	0	0	0	1
SSW	0	0	0	0	0	0	0
SW	0	0	1	0	0	0	1
WSW	0	6	2	0	0	0	8
W	0	15	3	0	0	0	18
WNW	0	9	21	0	0	0	30
NW	0	6	17	0	0	0	23
NNW	0	8	14	0	0	0	22
Variable	0	0	0	0	0	0	0
Total	29	86	60	1	0	0	176

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: 2

Peach Bottom Nuclear Station

Period of Record: January - March 2010
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	10	2	1	0	0	13
NNE	1	0	0	0	0	0	1
NE	2	0	0	0	0	0	2
ENE	3	0	0	0	0	0	3
E	2	0	0	0	0	0	2
ESE	3	2	0	0	0	0	5
SE	0	2	0	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	1	2	0	0	0	3
WSW	0	3	0	0	0	0	3
W	1	10	5	1	0	0	17
WNW	2	17	32	6	0	0	57
NW	1	11	48	9	0	0	69
NNW	0	14	17	0	0	0	31
Variable	0	0	0	0	0	0	0
Total	15	70	106	17	0	0	208

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: 2

Peach Bottom Nuclear Station

Period of Record: January - March 2010
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	8	3	0	0	0	11
NNE	0	0	0	0	0	0	0
NE	0	1	0	0	0	0	1
ENE	0	0	0	0	0	0	0
E	1	0	0	0	0	0	1
ESE	0	0	0	0	0	0	0
SE	0	2	0	0	0	0	2
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	1	1	0	0	0	2
SW	1	1	1	0	0	0	3
WSW	0	1	0	0	0	0	1
W	1	8	0	0	0	0	9
WNW	0	2	12	4	0	0	18
NW	0	4	18	5	0	0	27
NNW	1	4	6	0	0	0	11
Variable	0	0	0	0	0	0	0
Total	4	32	41	9	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: 2

Peach Bottom Nuclear Station

Period of Record: January - March 2010
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	9	39	39	1	0	0	88
NNE	29	19	2	0	0	0	50
NE	25	8	0	0	0	0	33
ENE	6	0	0	0	0	0	6
E	18	0	0	0	0	0	18
ESE	6	7	0	0	0	0	13
SE	7	10	3	4	0	0	24
SSE	0	7	4	0	1	0	12
S	1	5	4	2	0	0	12
SSW	4	3	0	0	0	0	7
SW	2	5	1	1	0	0	9
WSW	0	12	0	0	0	0	12
W	12	42	13	2	0	0	69
WNW	6	81	91	15	0	0	193
NW	6	73	170	47	0	0	296
NNW	10	47	81	2	0	0	140
Variable	0	0	0	0	0	0	0
Total	141	358	408	74	1	0	982

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: 2

Peach Bottom Nuclear Station

Period of Record: January - March 2010
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	12	6	1	0	0	0	19
NNE	8	6	0	0	0	0	14
NE	20	6	0	0	0	0	26
ENE	19	0	0	0	0	0	19
E	19	3	0	0	0	0	22
ESE	17	11	0	0	0	0	28
SE	10	16	1	1	0	0	28
SSE	5	14	2	0	0	0	21
S	8	4	3	0	0	0	15
SSW	4	1	1	0	0	0	6
SW	7	5	0	0	0	0	12
WSW	17	49	1	0	0	0	67
W	15	71	6	0	0	0	92
WNW	12	54	11	0	0	0	77
NW	11	15	5	2	0	0	33
NNW	13	18	2	0	0	0	33
Variable	0	0	0	0	0	0	0
Total	197	279	33	3	0	0	512

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: 2

Peach Bottom Nuclear Station

Period of Record: January - March 2010
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	2	0	0	0	0	0	2
NNE	6	0	0	0	0	0	6
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	2	0	0	0	0	0	2
SE	3	0	0	0	0	0	3
SSE	2	0	0	0	0	0	2
S	2	0	0	0	0	0	2
SSW	3	0	0	0	0	0	3
SW	10	2	0	0	0	0	12
WSW	7	11	0	0	0	0	18
W	12	6	0	0	0	0	18
WNW	7	3	0	0	0	0	10
NW	2	2	0	0	0	0	4
NNW	6	1	0	0	0	0	7
Variable	3	0	0	0	0	0	3
Total	75	25	0	0	0	0	100

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: 2

Peach Bottom Nuclear Station

Period of Record: January - March 2010
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	1	0	0	0	0	1
NNE	3	0	0	0	0	0	3
NE	3	0	0	0	0	0	3
ENE	5	0	0	0	0	0	5
E	5	0	0	0	0	0	5
ESE	1	0	0	0	0	0	1
SE	2	0	0	0	0	0	2
SSE	5	0	0	0	0	0	5
S	3	0	0	0	0	0	3
SSW	3	0	0	0	0	0	3
SW	7	1	0	0	0	0	8
WSW	13	1	0	0	0	0	14
W	13	0	0	0	0	0	13
WNW	12	1	0	0	0	0	13
NW	6	0	0	0	0	0	6
NNW	2	0	0	0	0	0	2
Variable	1	0	0	0	0	0	1
Total	84	4	0	0	0	0	88

Hours of calm in this stability class: 5
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

Peach Bottom Nuclear Station

Period of Record: January - March 2010
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	1	0	0	0	1
ENE	0	1	0	0	0	0	1
E	0	8	0	0	0	0	8
ESE	0	1	4	1	0	0	6
SE	0	1	4	0	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	4	1	0	0	5
W	0	0	0	0	0	0	0
WNW	0	0	1	0	1	0	2
NW	0	0	0	0	0	0	0
NNW	0	1	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	0	12	14	2	1	0	29

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: 2

Peach Bottom Nuclear Station

Period of Record: January - March 2010
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	1	1	1	0	5
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	4	0	0	0	0	4
ESE	0	2	3	1	1	0	7
SE	0	0	2	0	0	0	2
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	1	0	0	0	1
WSW	0	0	3	2	1	0	6
W	0	1	2	3	0	0	6
WNW	0	1	2	13	7	0	23
NW	0	0	2	4	3	0	9
NNW	0	1	4	2	1	0	8
Variable	0	0	0	0	0	0	0
Total	0	12	21	26	14	0	73

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: 2

Peach Bottom Nuclear Station

Period of Record: January - March 2010
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	2	1	2	7
NNE	0	2	1	1	0	0	4
NE	0	0	0	0	0	0	0
ENE	0	2	0	0	0	0	2
E	0	3	0	0	0	0	3
ESE	0	0	3	1	0	0	4
SE	0	1	2	0	0	0	3
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	1	0	0	1
SW	0	0	2	1	0	0	3
WSW	0	2	4	1	0	0	7
W	0	0	4	12	2	4	22
WNW	0	0	9	14	21	7	51
NW	0	1	11	21	9	1	43
NNW	0	2	7	4	2	0	15
Variable	0	0	0	0	0	0	0
Total	0	15	43	58	35	14	165

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: 2

Peach Bottom Nuclear Station

Period of Record: January - March 2010
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	3	2	34	43	16	3	101
NNE	1	8	17	10	10	0	46
NE	1	4	13	1	5	3	27
ENE	3	14	17	11	6	10	61
E	0	4	16	7	1	0	28
ESE	1	9	27	9	3	0	49
SE	2	7	17	16	1	6	49
SSE	0	1	7	11	0	3	22
S	2	2	8	6	2	1	21
SSW	0	2	3	0	1	0	6
SW	1	3	11	2	0	2	19
WSW	1	5	14	17	2	0	39
W	2	5	24	64	25	19	139
WNW	1	8	15	128	116	58	326
NW	0	11	28	94	96	39	268
NNW	0	5	31	68	24	4	132
Variable	0	0	0	0	0	0	0
Total	18	90	282	487	308	148	1333

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: 2

Peach Bottom Nuclear Station

Period of Record: January - March 2010
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	10	4	0	0	15
NNE	0	6	3	1	0	0	10
NE	0	1	1	1	0	0	3
ENE	0	3	9	2	0	0	14
E	2	1	4	5	0	0	12
ESE	1	2	13	8	1	0	25
SE	0	2	10	4	1	0	17
SSE	1	5	4	4	0	0	14
S	0	2	2	2	0	0	6
SSW	1	4	5	1	1	0	12
SW	0	3	5	4	2	0	14
WSW	0	3	18	18	2	0	41
W	0	4	18	37	18	0	77
WNW	1	1	10	39	20	0	71
NW	1	3	15	23	3	0	45
NNW	2	1	8	2	0	0	13
Variable	0	0	0	0	0	0	0
Total	9	42	135	155	48	0	389

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: 2

Peach Bottom Nuclear Station

Period of Record: January - March 2010
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	3	1	5	0	0	0	9
NNE	1	0	0	0	0	0	1
NE	0	1	0	0	0	0	1
ENE	0	4	0	0	0	0	4
E	1	1	4	0	0	0	6
ESE	0	5	2	0	0	0	7
SE	0	4	3	0	0	0	7
SSE	1	0	1	0	0	0	2
S	1	2	3	0	0	0	6
SSW	0	2	5	1	0	0	8
SW	1	0	3	0	0	0	4
WSW	0	1	6	1	0	0	8
W	0	2	12	12	0	0	26
WNW	1	2	2	2	0	0	7
NW	0	2	3	2	0	0	7
NNW	0	0	3	0	0	0	3
Variable	0	0	0	0	0	0	0
Total	9	27	52	18	0	0	106

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: 2

Peach Bottom Nuclear Station

Period of Record: January - March 2010
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	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	1	0	0	0	1
SSE	0	3	3	0	0	0	6
S	0	1	2	0	0	0	3
SSW	1	4	2	0	0	0	7
SW	1	4	3	0	0	0	8
WSW	0	1	10	0	0	0	11
W	0	3	11	1	0	0	15
WNW	1	1	1	0	0	0	3
NW	0	2	3	4	0	0	9
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	3	19	36	5	0	0	63

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: 2

Peach Bottom Nuclear Station

Period of Record: April - June 2010
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	1	17	0	0	0	0	18
NNE	2	4	0	0	0	0	6
NE	5	1	0	0	0	0	6
ENE	1	1	0	0	0	0	2
E	7	3	0	0	0	0	10
ESE	4	14	0	0	0	0	18
SE	6	13	1	0	0	0	20
SSE	2	15	3	0	0	0	20
S	0	12	5	0	0	0	17
SSW	0	2	0	0	0	0	2
SW	0	4	2	0	0	0	6
WSW	0	3	1	0	0	0	4
W	0	3	1	0	0	0	4
WNW	0	13	6	0	0	0	19
NW	0	7	8	0	0	0	15
NNW	0	26	5	0	0	0	31
Variable	0	0	0	0	0	0	0
Total	28	138	32	0	0	0	198

Hours of calm in this stability class: 1
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 488

Peach Bottom Nuclear Station

Period of Record: April - June 2010
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	3	5	0	0	0	0	8
NNE	3	0	0	0	0	0	3
NE	2	0	0	0	0	0	2
ENE	3	0	0	0	0	0	3
E	9	0	0	0	0	0	9
ESE	6	2	0	0	0	0	8
SE	1	5	0	0	0	0	6
SSE	1	9	0	0	0	0	10
S	1	3	1	0	0	0	5
SSW	0	1	0	0	0	0	1
SW	1	1	4	0	0	0	6
WSW	0	5	5	0	0	0	10
W	2	7	3	4	0	0	16
WNW	0	8	4	0	0	0	12
NW	1	12	4	0	0	0	17
NNW	0	8	3	0	0	0	11
Variable	0	0	0	0	0	0	0
Total	33	66	24	4	0	0	127

Hours of calm in this stability class: 1
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 488

Peach Bottom Nuclear Station

Period of Record: April - June 2010
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	3	4	0	0	0	0	7
NNE	1	0	0	0	0	0	1
NE	0	0	0	0	0	0	0
ENE	1	0	0	0	0	0	1
E	1	0	0	0	0	0	1
ESE	0	0	0	0	0	0	0
SE	1	2	1	0	0	0	4
SSE	0	4	1	2	0	0	7
S	0	1	0	0	0	0	1
SSW	0	1	0	0	0	0	1
SW	0	0	2	0	0	0	2
WSW	0	2	0	0	0	0	2
W	0	2	2	0	0	0	4
WNW	0	3	2	0	0	0	5
NW	0	4	2	0	0	0	6
NNW	2	9	2	0	0	0	13
Variable	0	0	0	0	0	0	0
Total	9	32	12	2	0	0	55

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: 488

Peach Bottom Nuclear Station

Period of Record: April - June 2010
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	19	16	0	0	0	0	35
NNE	7	0	0	0	0	0	7
NE	7	0	0	0	0	0	7
ENE	3	0	0	0	0	0	3
E	8	1	0	0	0	0	9
ESE	9	0	0	0	0	0	9
SE	6	19	1	0	0	0	26
SSE	10	44	7	0	0	0	61
S	15	19	3	0	0	0	37
SSW	6	5	3	0	0	0	14
SW	3	17	7	0	0	0	27
WSW	5	16	5	0	0	0	26
W	2	15	4	1	0	0	22
WNW	4	22	16	1	0	0	43
NW	10	27	6	0	0	0	43
NNW	13	20	2	0	0	0	35
Variable	1	0	0	0	0	0	1
Total	128	221	54	2	0	0	405

Hours of calm in this stability class: 1
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 488

Peach Bottom Nuclear Station

Period of Record: April - June 2010
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	22	0	0	0	0	40
NNE	6	0	0	0	0	0	6
NE	5	0	0	0	0	0	5
ENE	2	0	0	0	0	0	2
E	15	0	0	0	0	0	15
ESE	36	3	0	0	0	0	39
SE	24	10	0	0	0	0	34
SSE	36	34	0	0	0	0	70
S	32	24	1	0	0	0	57
SSW	13	12	1	0	0	0	26
SW	10	8	3	0	0	0	21
WSW	10	19	0	0	0	0	29
W	18	18	1	0	0	0	37
WNW	24	18	6	0	0	0	48
NW	23	38	6	0	0	0	67
NNW	16	17	2	0	0	0	35
Variable	2	0	0	0	0	0	2
Total	290	223	20	0	0	0	533

Hours of calm in this stability class: 1
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 488

Peach Bottom Nuclear Station

Period of Record: April - June 2010
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	3	0	0	0	0	0	3
NNE	1	0	0	0	0	0	1
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	7	0	0	0	0	0	7
ESE	11	0	0	0	0	0	11
SE	6	0	0	0	0	0	6
SSE	5	1	0	0	0	0	6
S	14	2	0	0	0	0	16
SSW	12	3	0	0	0	0	15
SW	30	5	0	0	0	0	35
WSW	39	8	0	0	0	0	47
W	38	15	0	0	0	0	53
WNW	23	9	0	0	0	0	32
NW	12	5	0	0	0	0	17
NNW	5	0	0	0	0	0	5
Variable	0	0	0	0	0	0	0
Total	206	48	0	0	0	0	254

Hours of calm in this stability class: 1
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 488

Peach Bottom Nuclear Station

Period of Record: April - June 2010
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	2	0	0	0	0	0	2
NNE	3	0	0	0	0	0	3
NE	1	0	0	0	0	0	1
ENE	5	0	0	0	0	0	5
E	4	0	0	0	0	0	4
ESE	12	0	0	0	0	0	12
SE	3	0	0	0	0	0	3
SSE	5	0	0	0	0	0	5
S	2	0	0	0	0	0	2
SSW	7	0	0	0	0	0	7
SW	17	0	0	0	0	0	17
WSW	33	3	0	0	0	0	36
W	11	3	0	0	0	0	14
WNW	3	1	0	0	0	0	4
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	7	0	0	0	0	116

Hours of calm in this stability class: 3
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 488

Peach Bottom Nuclear Station

Period of Record: April - June 2010
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	1	1	0	0	0	2
NNE	0	2	0	0	0	0	2
NE	0	4	0	0	0	0	4
ENE	0	2	0	0	0	0	2
E	0	4	2	0	0	0	6
ESE	0	2	9	5	0	0	16
SE	0	2	4	9	0	0	15
SSE	0	0	5	2	1	0	8
S	0	0	7	2	0	0	9
SSW	0	0	1	0	0	0	1
SW	0	0	1	1	1	0	3
WSW	0	0	0	0	1	0	1
W	0	0	0	1	0	0	1
WNW	0	0	4	4	3	1	12
NW	0	0	0	4	0	0	4
NNW	0	1	8	4	1	0	14
Variable	0	0	0	0	0	0	0
Total	0	18	42	32	7	1	100

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: 488

Peach Bottom Nuclear Station

Period of Record: April - June 2010
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	4	0	0	0	5
NNE	0	1	0	0	0	0	1
NE	0	3	0	0	0	0	3
ENE	0	2	0	0	0	0	2
E	0	6	0	0	0	0	6
ESE	0	2	1	1	0	0	4
SE	0	0	2	1	0	0	3
SSE	0	1	5	0	0	0	6
S	0	0	6	4	0	0	10
SSW	0	0	2	0	0	0	2
SW	0	0	4	1	1	0	6
WSW	0	0	1	2	3	0	6
W	0	0	6	2	3	4	15
WNW	0	0	0	3	5	2	10
NW	0	2	4	5	2	0	13
NNW	0	3	10	2	0	0	15
Variable	0	0	0	0	0	0	0
Total	0	21	45	21	14	6	107

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: 488

Peach Bottom Nuclear Station

Period of Record: April - June 2010
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	2	0	0	0	4
NNE	0	6	2	0	0	0	8
NE	0	1	1	0	0	0	2
ENE	1	1	0	0	0	0	2
E	0	6	0	0	0	0	6
ESE	0	8	3	0	0	0	11
SE	0	1	5	2	0	0	8
SSE	0	2	3	2	2	0	9
S	0	1	3	1	0	0	5
SSW	1	0	1	0	0	0	2
SW	0	1	2	2	2	0	7
WSW	0	0	2	3	2	0	7
W	0	1	8	4	1	0	14
WNW	0	4	3	4	2	1	14
NW	0	2	9	8	3	0	22
NNW	0	3	7	0	0	0	10
Variable	0	0	0	0	0	0	0
Total	2	39	51	26	12	1	131

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: 488

Peach Bottom Nuclear Station

Period of Record: April - June 2010
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	2	17	6	0	0	26
NNE	2	5	7	6	0	0	20
NE	2	4	20	5	0	0	31
ENE	2	12	15	0	0	0	29
E	1	7	12	1	0	0	21
ESE	1	11	15	13	3	0	43
SE	3	15	31	11	1	0	61
SSE	3	8	19	16	0	0	46
S	1	9	26	16	2	0	54
SSW	1	7	13	8	3	0	32
SW	0	3	12	16	5	1	37
WSW	1	2	14	13	3	0	33
W	1	5	14	16	5	9	50
WNW	0	5	15	25	18	4	67
NW	0	11	28	21	9	0	69
NNW	0	4	20	11	1	0	36
Variable	0	0	0	0	0	0	0
Total	19	110	278	184	50	14	655

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: 488

Peach Bottom Nuclear Station

Period of Record: April - June 2010
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	2	9	2	0	0	13
NNE	1	1	5	0	0	0	7
NE	0	2	2	2	0	0	6
ENE	1	7	6	0	0	0	14
E	3	5	4	1	0	0	13
ESE	2	7	10	2	0	0	21
SE	1	16	10	3	0	0	30
SSE	3	7	18	6	0	0	34
S	2	4	27	20	3	0	56
SSW	2	3	21	9	0	0	35
SW	2	9	22	4	0	0	37
WSW	0	2	14	10	0	0	26
W	1	7	15	12	1	0	36
WNW	0	7	14	16	1	0	38
NW	1	6	25	30	3	0	65
NNW	2	2	16	5	0	0	25
Variable	0	0	0	0	0	0	0
Total	21	87	218	122	8	0	456

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: 488

Peach Bottom Nuclear Station

Period of Record: April - June 2010
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	1	1	1	0	0	3
NNE	0	1	0	0	0	0	1
NE	0	3	1	0	0	0	4
ENE	1	3	0	0	0	0	4
E	1	2	2	0	0	0	5
ESE	0	2	1	0	0	0	3
SE	0	1	3	0	0	0	4
SSE	0	4	6	0	0	0	10
S	0	6	2	2	1	0	11
SSW	0	1	9	11	0	0	21
SW	2	6	13	4	0	0	25
WSW	0	4	8	6	0	0	18
W	0	3	10	15	0	0	28
WNW	0	3	12	9	1	0	25
NW	2	1	4	13	0	0	20
NNW	1	1	3	3	0	0	8
Variable	0	0	0	0	0	0	0
Total	7	42	75	64	2	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: 488

Peach Bottom Nuclear Station

Period of Record: April - June 2010
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	1	0	0	0	0	1
NNE	0	1	0	0	0	0	1
NE	0	3	0	0	0	0	3
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	0	0	0	0	0
S	0	3	1	0	0	0	4
SSW	1	4	2	2	0	0	9
SW	0	7	6	4	0	0	17
WSW	0	0	2	1	0	0	3
W	0	2	4	1	0	0	7
WNW	0	0	2	0	0	0	2
NW	0	1	4	1	0	0	6
NNW	0	1	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	1	26	21	9	0	0	57

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: 488

Peach Bottom Nuclear Station

Period of Record: July - September 2010
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	32	0	0	0	0	32
NNE	4	4	0	0	0	0	8
NE	3	2	0	0	0	0	5
ENE	10	0	0	0	0	0	10
E	3	0	0	0	0	0	3
ESE	12	3	0	0	0	0	15
SE	3	12	0	0	0	0	15
SSE	1	26	4	0	0	0	31
S	1	20	0	0	0	0	21
SSW	1	17	0	0	0	0	18
SW	1	16	0	0	0	0	17
WSW	1	3	0	0	0	0	4
W	1	11	5	0	0	0	17
WNW	1	2	2	0	0	0	5
NW	1	10	1	0	0	0	12
NNW	2	21	2	0	0	0	25
Variable	0	0	0	0	0	0	0
Total	45	179	14	0	0	0	238

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: 29

Peach Bottom Nuclear Station

Period of Record: July - September 2010
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	3	10	0	0	0	0	13
NNE	4	1	0	0	0	0	5
NE	5	0	0	0	0	0	5
ENE	3	0	0	0	0	0	3
E	1	0	0	0	0	0	1
ESE	2	0	0	0	0	0	2
SE	2	1	0	0	0	0	3
SSE	2	19	2	0	0	0	23
S	0	9	1	0	0	0	10
SSW	2	4	0	0	0	0	6
SW	3	10	0	0	0	0	13
WSW	3	6	0	0	0	0	9
W	4	4	4	0	0	0	12
WNW	1	3	0	0	0	0	4
NW	0	7	0	0	0	0	7
NNW	2	20	2	0	0	0	24
Variable	0	0	0	0	0	0	0
Total	37	94	9	0	0	0	140

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: 29

Peach Bottom Nuclear Station

Period of Record: July - September 2010
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	1	5	0	0	0	0	6
NNE	2	1	0	0	0	0	3
NE	3	0	0	0	0	0	3
ENE	3	0	0	0	0	0	3
E	2	0	0	0	0	0	2
ESE	1	0	0	0	0	0	1
SE	1	1	0	0	0	0	2
SSE	0	11	0	0	0	0	11
S	2	4	1	0	0	0	7
SSW	2	2	0	0	0	0	4
SW	1	5	0	0	0	0	6
WSW	0	4	0	0	0	0	4
W	1	2	0	0	0	0	3
WNW	3	4	0	0	0	0	7
NW	0	4	0	0	0	0	4
NNW	5	7	0	0	0	0	12
Variable	0	0	0	0	0	0	0
Total	27	50	1	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: 29

Peach Bottom Nuclear Station

Period of Record: July - September 2010
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	14	24	1	0	0	0	39
NNE	8	1	0	0	0	0	9
NE	8	0	0	0	0	0	8
ENE	5	0	0	0	0	0	5
E	4	0	0	0	0	0	4
ESE	2	0	0	0	0	0	2
SE	7	9	0	0	0	0	16
SSE	14	59	5	0	0	0	78
S	10	12	2	0	0	0	24
SSW	7	12	0	0	0	0	19
SW	7	11	0	0	0	0	18
WSW	10	10	0	0	0	0	20
W	7	12	3	0	0	0	22
WNW	12	14	1	0	0	0	27
NW	9	45	0	0	0	0	54
NNW	11	35	0	0	0	0	46
Variable	0	0	0	0	0	0	0
Total	135	244	12	0	0	0	391

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: 29

Peach Bottom Nuclear Station

Period of Record: July - September 2010
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	19	16	0	0	0	0	35
NNE	14	1	0	0	0	0	15
NE	6	0	0	0	0	0	6
ENE	4	0	0	0	0	0	4
E	8	0	0	0	0	0	8
ESE	8	0	0	0	0	0	8
SE	32	24	7	1	0	0	64
SSE	61	93	10	3	0	0	167
S	56	27	1	0	0	0	84
SSW	22	6	1	0	0	0	29
SW	26	13	0	0	0	0	39
WSW	29	14	0	0	0	0	43
W	44	18	0	0	0	0	62
WNW	39	27	0	0	0	0	66
NW	37	37	1	0	0	0	75
NNW	31	49	5	0	0	0	85
Variable	2	0	0	0	0	0	2
Total	438	325	25	4	0	0	792

Hours of calm in this stability class: 6
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 29

Peach Bottom Nuclear Station

Period of Record: July - September 2010
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	0	1	0	0	0	0	1
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	2	0	0	0	0	0	2
ESE	1	0	0	0	0	0	1
SE	4	0	0	0	0	0	4
SSE	10	5	0	0	0	0	15
S	12	1	0	0	0	0	13
SSW	24	2	0	0	0	0	26
SW	41	4	0	0	0	0	45
WSW	39	18	0	0	0	0	57
W	52	13	1	0	0	0	66
WNW	28	7	0	0	0	0	35
NW	27	10	0	0	0	0	37
NNW	10	1	0	0	0	0	11
Variable	1	0	0	0	0	0	1
Total	256	63	1	0	0	0	320

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: 29

Peach Bottom Nuclear Station

Period of Record: July - September 2010
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	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	2	0	0	0	0	0	2
S	1	0	0	0	0	0	1
SSW	8	1	0	0	0	0	9
SW	80	6	0	0	0	0	86
WSW	66	7	0	0	0	0	73
W	31	2	0	0	0	0	33
WNW	6	0	0	0	0	0	6
NW	2	0	0	0	0	0	2
NNW	2	0	0	0	0	0	2
Variable	0	0	0	0	0	0	0
Total	198	16	0	0	0	0	214

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: 29

Peach Bottom Nuclear Station

Period of Record: July - September 2010
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	5	9	0	0	0	14
NNE	0	4	4	0	0	0	8
NE	0	0	1	0	0	0	1
ENE	0	6	0	0	0	0	6
E	1	12	1	0	0	0	14
ESE	0	4	13	0	0	0	17
SE	0	1	11	2	0	0	14
SSE	0	2	3	0	0	0	5
S	0	3	4	3	0	0	10
SSW	0	1	13	0	0	0	14
SW	0	4	4	1	0	0	9
WSW	0	0	3	0	1	0	4
W	0	0	4	1	3	0	8
WNW	0	0	1	0	0	0	1
NW	0	1	3	7	0	0	11
NNW	0	0	4	3	0	0	7
Variable	0	0	0	0	0	0	0
Total	1	43	78	17	4	0	143

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: 29

Peach Bottom Nuclear Station

Period of Record: July - September 2010
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	9	6	0	0	0	15
NNE	0	6	1	0	0	0	7
NE	1	6	0	0	0	0	7
ENE	1	4	0	0	0	0	5
E	1	2	1	0	0	0	4
ESE	0	3	3	0	0	0	6
SE	0	3	3	2	0	0	8
SSE	0	1	7	0	0	0	8
S	0	1	7	1	0	0	9
SSW	0	5	8	0	0	0	13
SW	0	5	7	4	0	0	16
WSW	0	1	0	2	0	0	3
W	0	0	0	3	3	0	6
WNW	0	1	0	1	1	0	3
NW	0	2	2	8	1	0	13
NNW	0	1	7	2	0	0	10
Variable	0	0	0	0	0	0	0
Total	3	50	52	23	5	0	133

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: 29

Peach Bottom Nuclear Station

Period of Record: July - September 2010
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	6	1	2	0	0	9
NNE	1	4	1	0	0	0	6
NE	2	1	0	0	0	0	3
ENE	2	2	0	0	0	0	4
E	0	1	0	0	0	0	1
ESE	0	2	0	1	0	0	3
SE	0	1	7	0	0	0	8
SSE	0	1	5	0	0	0	6
S	0	3	7	4	0	0	14
SSW	0	5	5	2	0	0	12
SW	1	3	9	2	0	0	15
WSW	0	8	1	2	1	0	12
W	0	3	7	2	3	0	15
WNW	0	1	0	1	0	0	2
NW	0	1	9	12	0	0	22
NNW	0	1	7	0	0	0	8
Variable	0	0	0	0	0	0	0
Total	6	43	59	28	4	0	140

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: 29

Peach Bottom Nuclear Station

Period of Record: July - September 2010
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	16	19	0	0	46
NNE	6	12	15	4	0	0	37
NE	2	3	10	3	1	0	19
ENE	5	8	10	6	0	0	29
E	3	6	12	3	0	0	24
ESE	2	8	17	9	1	0	37
SE	4	6	30	30	3	2	75
SSE	1	15	39	27	4	3	89
S	2	15	20	15	0	1	53
SSW	2	11	13	3	0	1	30
SW	0	9	13	3	0	0	25
WSW	1	11	15	5	0	0	32
W	3	18	14	4	4	0	43
WNW	1	7	17	6	4	0	35
NW	1	14	52	25	3	0	95
NNW	2	20	24	11	3	0	60
Variable	0	0	0	0	0	0	0
Total	36	173	317	173	23	7	729

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: 29

Peach Bottom Nuclear Station

Period of Record: July - September 2010
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	9	14	8	0	2	33
NNE	1	7	6	1	0	0	15
NE	2	6	5	1	0	0	14
ENE	2	13	19	0	0	0	34
E	3	6	7	1	0	0	17
ESE	6	13	7	3	0	0	29
SE	2	9	11	5	0	0	27
SSE	4	14	19	19	0	0	56
S	0	16	42	20	7	0	85
SSW	1	11	27	13	3	0	55
SW	2	11	19	6	1	0	39
WSW	1	8	10	19	3	0	41
W	1	11	18	15	4	0	49
WNW	0	7	13	23	3	0	46
NW	1	14	36	30	0	0	81
NNW	1	17	39	20	1	0	78
Variable	0	0	0	0	0	0	0
Total	27	172	292	184	22	2	699

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: 29

Peach Bottom Nuclear Station

Period of Record: July - September 2010
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	3	8	7	0	0	0	18
NNE	0	8	2	0	0	0	10
NE	3	4	0	0	0	0	7
ENE	1	6	0	0	0	0	7
E	1	5	0	0	0	0	6
ESE	1	0	0	0	0	0	1
SE	0	3	0	0	0	0	3
SSE	0	8	0	0	0	0	8
S	0	11	4	2	0	0	17
SSW	0	6	7	1	0	0	14
SW	3	8	4	4	0	0	19
WSW	3	6	13	7	2	0	31
W	0	6	9	6	7	0	28
WNW	2	5	4	5	1	0	17
NW	2	4	15	5	0	0	26
NNW	1	8	12	5	0	0	26
Variable	2	0	0	0	0	0	2
Total	22	96	77	35	10	0	240

Hours of calm in this stability class: 1
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 29

Peach Bottom Nuclear Station

Period of Record: July - September 2010
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	1	0	0	0	0	1
NNE	0	1	0	0	0	0	1
NE	1	2	0	0	0	0	3
ENE	0	2	0	0	0	0	2
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	3	1	0	0	0	0	4
SSW	3	3	1	0	0	0	7
SW	1	4	2	1	0	0	8
WSW	0	3	3	2	1	0	9
W	0	4	4	6	1	0	15
WNW	0	7	6	4	0	0	17
NW	0	2	15	1	0	0	18
NNW	1	3	5	0	0	0	9
Variable	0	0	0	0	0	0	0
Total	9	33	36	14	2	0	94

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: 29

Peach Bottom Nuclear Station

Period of Record: October - December 2010
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	11	0	0	0	0	11
NNE	0	1	0	0	0	0	1
NE	1	0	0	0	0	0	1
ENE	4	0	0	0	0	0	4
E	5	3	0	0	0	0	8
ESE	0	5	0	0	0	0	5
SE	0	2	0	0	0	0	2
SSE	0	0	0	0	0	0	0
S	0	1	1	0	0	0	2
SSW	0	1	2	0	0	0	3
SW	0	4	0	0	0	0	4
WSW	0	3	0	0	0	0	3
W	0	3	0	0	0	0	3
WNW	0	0	0	0	0	0	0
NW	0	3	2	0	0	0	5
NNW	0	16	1	0	0	0	17
Variable	0	0	0	0	0	0	0
Total	10	53	6	0	0	0	69

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: 6

Peach Bottom Nuclear Station

Period of Record: October - December 2010
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	2	11	0	0	0	0	13
NNE	3	2	0	0	0	0	5
NE	3	0	0	0	0	0	3
ENE	2	0	0	0	0	0	2
E	2	0	0	0	0	0	2
ESE	2	0	0	0	0	0	2
SE	1	1	0	0	0	0	2
SSE	0	2	0	0	0	0	2
S	0	3	2	0	0	0	5
SSW	1	1	0	0	0	0	2
SW	0	4	2	0	0	0	6
WSW	0	3	2	0	0	0	5
W	1	12	7	0	0	0	20
WNW	0	9	15	2	0	0	26
NW	1	19	37	14	0	0	71
NNW	0	7	3	0	0	0	10
Variable	0	0	0	0	0	0	0
Total	18	74	68	16	0	0	176

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: 6

Peach Bottom Nuclear Station

Period of Record: October - December 2010
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	1	3	2	0	0	0	6
NNE	1	1	0	0	0	0	2
NE	1	0	0	0	0	0	1
ENE	1	0	0	0	0	0	1
E	0	1	0	0	0	0	1
ESE	1	0	0	0	0	0	1
SE	0	3	0	0	0	0	3
SSE	0	1	1	0	0	0	2
S	0	3	0	0	0	0	3
SSW	0	0	0	0	0	0	0
SW	1	2	0	0	0	0	3
WSW	0	2	0	0	0	0	2
W	0	6	8	1	0	0	15
WNW	1	7	12	2	0	0	22
NW	2	14	17	3	0	0	36
NNW	2	6	3	0	0	0	11
Variable	0	0	0	0	0	0	0
Total	11	49	43	6	0	0	109

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: 6

Peach Bottom Nuclear Station

Period of Record: October - December 2010
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	5	13	3	0	0	0	21
NNE	6	0	0	0	0	0	6
NE	12	0	0	0	0	0	12
ENE	12	0	0	0	0	0	12
E	10	0	0	0	0	0	10
ESE	9	2	0	0	0	0	11
SE	7	17	10	7	0	0	41
SSE	4	16	8	0	0	0	28
S	3	14	5	0	0	0	22
SSW	2	3	1	0	0	0	6
SW	6	4	1	0	0	0	11
WSW	3	12	3	0	0	0	18
W	3	51	45	3	0	0	102
WNW	4	60	70	5	0	0	139
NW	6	88	101	25	2	0	222
NNW	12	37	17	0	0	0	66
Variable	0	0	0	0	0	0	0
Total	104	317	264	40	2	0	727

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: 6

Peach Bottom Nuclear Station

Period of Record: October - December 2010
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	23	27	2	0	0	0	52
NNE	15	2	0	0	0	0	17
NE	20	0	0	0	0	0	20
ENE	20	0	0	0	0	0	20
E	18	4	0	0	0	0	22
ESE	23	10	3	0	0	0	36
SE	19	10	6	0	0	0	35
SSE	17	7	3	0	0	0	27
S	14	17	7	0	0	0	38
SSW	12	8	1	0	0	0	21
SW	14	9	2	0	0	0	25
WSW	16	57	2	0	0	0	75
W	28	72	0	0	0	0	100
WNW	23	90	10	0	0	0	123
NW	27	61	14	0	0	0	102
NNW	14	32	4	0	0	0	50
Variable	2	0	0	0	0	0	2
Total	305	406	54	0	0	0	765

Hours of calm in this stability class: 4
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 6

Peach Bottom Nuclear Station

Period of Record: October - December 2010
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	2	1	0	0	0	0	3
NNE	1	0	0	0	0	0	1
NE	3	0	0	0	0	0	3
ENE	3	0	0	0	0	0	3
E	11	0	0	0	0	0	11
ESE	14	0	0	0	0	0	14
SE	7	0	0	0	0	0	7
SSE	4	0	0	0	0	0	4
S	8	0	0	0	0	0	8
SSW	7	0	0	0	0	0	7
SW	20	2	0	0	0	0	22
WSW	21	13	0	0	0	0	34
W	27	8	0	0	0	0	35
WNW	16	4	0	0	0	0	20
NW	9	1	0	0	0	0	10
NNW	4	1	0	0	0	0	5
Variable	1	0	0	0	0	0	1
Total	158	30	0	0	0	0	188

Hours of calm in this stability class: 8
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 6

Peach Bottom Nuclear Station

Period of Record: October - December 2010
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	3	0	0	0	0	0	3
ENE	1	0	0	0	0	0	1
E	7	0	0	0	0	0	7
ESE	5	0	0	0	0	0	5
SE	7	0	0	0	0	0	7
SSE	0	0	0	0	0	0	0
S	5	0	0	0	0	0	5
SSW	6	0	0	0	0	0	6
SW	29	0	0	0	0	0	29
WSW	44	4	0	0	0	0	48
W	14	5	0	0	0	0	19
WNW	11	0	0	0	0	0	11
NW	5	1	0	0	0	0	6
NNW	2	0	0	0	0	0	2
Variable	0	0	0	0	0	0	0
Total	141	10	0	0	0	0	151

Hours of calm in this stability class: 5
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 6

Peach Bottom Nuclear Station

Period of Record: October - December 2010
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	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	1	1	0	0	0	2
SE	0	0	3	0	0	0	3
SSE	0	0	0	0	0	0	0
S	0	0	1	0	0	0	1
SSW	0	0	1	0	0	0	1
SW	0	0	1	0	0	0	1
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	7	0	0	0	8

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: 9

Peach Bottom Nuclear Station

Period of Record: October - December 2010
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	2	1	0	0	4
NNE	0	0	1	0	0	0	1
NE	0	1	0	0	0	0	1
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	3	0	0	0	3
SSE	0	0	1	0	0	0	1
S	0	0	0	1	0	0	1
SSW	0	0	1	1	0	0	2
SW	0	0	2	4	0	0	6
WSW	0	0	0	1	0	0	1
W	0	0	3	1	0	0	4
WNW	0	0	0	0	1	0	1
NW	0	0	1	6	0	0	7
NNW	0	1	3	2	0	0	6
Variable	0	0	0	0	0	0	0
Total	1	3	17	17	1	0	39

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: 9

Peach Bottom Nuclear Station

Period of Record: October - December 2010
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	4	4	1	0	0	9
NNE	0	5	2	0	1	0	8
NE	1	0	0	3	0	0	4
ENE	0	0	0	0	0	0	0
E	0	2	0	0	0	0	2
ESE	0	1	0	0	0	0	1
SE	0	0	1	0	0	0	1
SSE	0	0	0	0	0	0	0
S	0	1	1	1	1	0	4
SSW	0	0	0	1	0	0	1
SW	0	0	3	1	0	0	4
WSW	0	0	3	2	2	0	7
W	0	0	3	7	2	2	14
WNW	0	0	2	4	13	3	22
NW	0	1	2	8	12	4	27
NNW	0	3	5	4	0	0	12
Variable	0	0	0	0	0	0	0
Total	1	17	26	32	31	9	116

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: 9

Peach Bottom Nuclear Station

Period of Record: October - December 2010
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	12	12	14	1	1	40
NNE	2	12	9	6	0	0	29
NE	4	7	2	5	0	0	18
ENE	4	4	0	0	0	0	8
E	2	3	2	1	0	0	8
ESE	1	9	16	2	1	0	29
SE	3	11	23	5	11	14	67
SSE	0	8	16	5	4	1	34
S	0	2	19	16	10	1	48
SSW	1	4	7	5	1	0	18
SW	0	8	4	3	1	1	17
WSW	3	0	8	13	5	2	31
W	2	0	13	63	35	28	141
WNW	0	5	15	77	72	25	194
NW	2	15	36	113	92	59	317
NNW	2	11	28	47	19	3	110
Variable	0	0	0	0	0	0	0
Total	26	111	210	375	252	135	1109

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: 9

Peach Bottom Nuclear Station

Period of Record: October - December 2010
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	5	6	24	11	2	0	48
NNE	2	4	8	5	2	0	21
NE	2	6	5	4	0	0	17
ENE	2	6	2	1	0	0	11
E	4	2	2	2	0	0	10
ESE	1	8	21	2	7	0	39
SE	2	15	9	4	1	0	31
SSE	2	13	5	0	0	0	20
S	2	11	22	7	1	0	43
SSW	3	4	19	10	0	1	37
SW	2	9	12	8	1	0	32
WSW	3	2	7	28	9	0	49
W	1	1	14	58	8	0	82
WNW	2	2	11	45	13	0	73
NW	1	7	17	38	6	0	69
NNW	1	2	24	17	6	0	50
Variable	0	0	0	0	0	0	0
Total	35	98	202	240	56	1	632

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: 9

Peach Bottom Nuclear Station

Period of Record: October - December 2010
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	3	9	0	0	0	12
NNE	2	2	3	0	0	0	7
NE	2	2	0	0	0	0	4
ENE	0	3	1	0	0	0	4
E	0	1	0	0	0	0	1
ESE	0	5	1	0	0	0	6
SE	0	6	1	0	0	0	7
SSE	1	5	1	0	0	0	7
S	0	9	15	1	0	0	25
SSW	1	13	12	0	0	0	26
SW	0	4	8	10	0	0	22
WSW	1	8	9	10	0	0	28
W	0	2	8	11	0	0	21
WNW	2	0	6	8	2	0	18
NW	1	2	3	7	0	0	13
NNW	1	1	3	1	0	0	6
Variable	0	0	0	0	0	0	0
Total	11	66	80	48	2	0	207

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: 9

Peach Bottom Nuclear Station

Period of Record: October - December 2010
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	1	7	1	0	0	9
NNE	0	0	9	0	0	0	9
NE	1	0	1	1	0	0	3
ENE	0	0	0	0	0	0	0
E	4	0	0	0	0	0	4
ESE	2	0	0	0	0	0	2
SE	2	0	0	0	0	0	2
SSE	0	2	0	0	0	0	2
S	1	0	0	0	0	0	1
SSW	5	2	1	0	0	0	8
SW	2	2	0	1	0	0	5
WSW	0	2	3	3	0	0	8
W	1	1	10	1	0	0	13
WNW	0	2	6	3	0	0	11
NW	0	3	0	0	0	0	3
NNW	0	3	5	0	0	0	8
Variable	0	0	0	0	0	0	0
Total	18	18	42	10	0	0	88

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: 9

Appendix A- ERRATA Data Section

Appendix A - ODCM Revision 13 Change Matrix

Item #	ODCM Section	Page # Old (Rev.12)	Page # (New) Rev.13	Description of Change	Rationale for change	Date Change was made
ODCM						
1	N/A	N/A	N/A	The company name on the cover page was changed from PECO Energy Company to Exelon Nuclear	Company is now Exelon Nuclear, not PECO Energy Company	Feb-08
2	ODCM II.B	4	4	MPC/EC relationship -Provide text clarification regarding EC and MPC values for concentration limits	Clarification provided in III.A (p. 5). Words added "This methodology is consistent with the additional guidance the NRC provided to the industry during the implementation of the updated 10 CFR 20 which changed the criterion for controlling release rate based on Effective Concentration (EC) values in the updated 10 CFR 20 as opposed to the Maximum Permissible Concentration (MPC) values in the former 10 CFR 20."	Feb-09
3	ODCM II.C	4	4	High alarm setting- Changed "3 x normal monitor reading" to read "3 x background."	Clarification.	Feb-08
4	ODCM II.C	4	4	High-high alarm description- Changed "Using the smallest (*most restrictive release* rate..." to refer to the highest release rate.	Statement was incorrect as written. A higher release rate will result in a higher diluted concentration.Added:" While non-gamma emitters are not specifically addressed, the conservatisms inherent in the calculation of the maximum permissible release rate are more than adequate to account for them".	Feb-08
5	ODCM II.C	4	4	High-high alarm release limit reference- Removed reference to 10 CFR 20.	10 CFR 20 is not an appropriate reference for gases - this is a liquids limit.	Feb-08
6	ODCM III.A	5	6	Release rate equation parameters- Provide basis for "C" parameter - info should be in the bases backup documentation.	Statement added in III.A (p. 6) advising that this factor just provides an additional factor of conservatism: Words Added: "This just adds another factor of conservatism"	Feb-08
7	ODCM III.A	5	6, 51	Non-gamma emitters and hard-to-identify nuclides- *Provide rationale for this being* acceptable or consider factor of conservatism to account for these nuclides.	Whether or not the Dilution Factor consider non-gamma emitters and hard-to-identify nuclides, the conservatisms inherent in the calculation of the maximum permissible release rate are more than adequate to account for those nuclides. Words to that effect were added to III.A, p. 5. Backup for this rationale added to VIII. Bases, on p. 52. Added on p.6 "While non-gamma emitters are not specifically addressed, the conservatisms inherent in the calculation of the maximum permissible release rate are more than adequate to account for them"	Feb-08
8	ODCM III.B, Table III.A.1	6, 8-12	pgs. 8-17	Limited list of radionuclides used-Expanded Table III.A.1 list to include Cr51, Co57, Y91m, Y93, Nb95, Nb95m, Zr95, Zr97, Mo99, Tc99m, Ru103, Ru105, Ag110m, Sn113, Sb124, Sb125, I135, Cs138, Ba139, La140, La142, Ce141 and Ce143 (p. 9 - 18).	Provide consistency with nuclides shown in Annual Effluent Report releases. Supporting calculations are presented in App. A to this report.	Feb-08
9	ODCM III.B	6, 43	7,51	Decay correction term for fish ingestion pathway-Verified that decay correction was performed by computing I131 Bone dose factors which compared very closely, and added $e^{-24\lambda}$ multiplier to equation on page 53.	Consistency with the "(DECAY CORRECTED)" label on Table III.A.1.	Feb-08
10	ODCMS 4.8.C.2.1	47	56	Factors of 4.3 and 7.2 relating to gross method for calculating dose rate over the isotopic method.-Verify that these numbers are justified in bases document or do calculations to substantiate.	Using the data inputs and parameters from the referenced Sept. 1976 Radioactive Effluent Dose Assessment we produced the calculations to support this statement in the spreadsheet titled "Noble Gas Doses"	Feb-08
11	ODCM IV.A.2	18	23-24	Verify that these numbers are justified in bases document or do calculations to substantiate.	Spreadsheet titled "Gaseous Dose Rates" was used to substantiate this statement.	Feb-08
12	ODCM IV.C	24	30-31, 33,34	Formulas relate only to ingestion pathways- Bases section indicates that inhalation and ground plane sources were also examined - verify and correct as necessary. No justification found for excluding these pathways, so they needed to be added to the ODCM.	Added inhalation and ground plane dose factors in Tables IV.C.2 (p. 34) and IV.C.3 (p. 35); added clarifying text to section IV.C (p. 31); added clarifying text to Note 2 on p. 54 and to Note 3 on p. 55.	Feb-08
13	ODCMS V.A.1, 4.8.D.1	29	36	IFSI will be changes to ISFSI	Correct abbreviation for Independent Spent Fuel Storage, IR#359300	Feb-08
14	ODCM VI.A	32	N/A	Deleted Section VI.A "Unique Reporting Requirement ODCMS 3.10.3, Dose Calculations for the Radiation Dose Assessment Report"	No longer a Tech Spec Reporting Requirement	Feb-08
15	Table VII.A-1/Figure VII.A.1	33	40, 44	Table VII.A-1 TLD Station Code 1K will be added. Additionally the map was updated in Figure VII.A.1	Ref Issue#, 359300- Added to comply with ODCMS Table 4.8.E.1 requirement for TLD Stations in the General area of the site boundary	Feb-08
16	Table VII.A-1/Figure VII.A.3	36	43, 46	Station Code for Milk Control was changed from A to T- Additionally the map was updated in Figure VII.A.3	Milk Farm A is obsolete	Feb-08
17	Table VII.A-1/ Figure VII.A.2	36	43, 45	Station Code for Milk Farm was changed from O to U- Additionally the map was updated in Figure VII.A.2	Milk Farm O is obsolete	Feb-08
18	ODCM	41	49	GRS sketches do not show the gaseous radwaste flow monitors.- Added gaseous radwaste flow monitors to the system sketches.	Added to Unit 3 Ventilation System sketch (Figure 3).	Feb-08
19	ODCM	42	50	LRS sketch- Show chemical and regenerant waste streams? Correct sketch to include demineralizer for floor drain cleanup system? Reference system sketch?	Verified chemical waste stream to floor drain collection tank and the existence of the floor drain demineralizer on P&ID M370, sht. 2. Regenerant waste stream no longer exists. Created new LRS diagram as Figure 4. Added reference to this figure in II.A (p.3). Also added references to this demineralizer to ODCMS 3.8.B.4 (p. ODCM 3.8.B-12), and ODCMS 4.8.B.4.2 (p. ODCM 3.8.B-13).	Feb-08
20	AR 00359300	41	48-49	p. 41, ventilation exhaust treatment system diagram- Break down into two figures - one for unit 2 and one for unit 3 ventilation exhaust waste treatment system	Done per AR direction, created new Figure 2 and Figure 3 respectively. Added reference to these sketches in II.C (p. 4).	Feb-08

Item #	ODCMS Section	Old (Rev.12)	(New)Rev.13	Description of Change	Rationale for change	Date Change Was Made
ODCMS						
1	ODCMS 3.8.A	ODCM 3.8.A-2	ODCM 3.8 A-3	ODCM Definition of Operable changed to Functional throughout out document	Ref IR# 582009, Recent Issuance of procedure OP-AA-108-115,Operability Determinations, Rev.0, implements recent NRC guidance RIS 2005-20 "Operability Determinations and Functionality Assessments for resolution of degraded or nonconforming conditions adverse to quality or safety, The intent is to reserve the usage of Operability for only Tech Spec related equipment while "functional" will be used for TRM, ODCM and UFSAR equipment	Feb-08
2	ODCMS 3.8.B.4.b	ODCM 3.8.B-10	3.8.B-12	Added reference to floor drain demineralizer.	Accuracy - current reference to just the floor drain filter is incomplete.	Feb-08
3	ODCMS 3.8.C-4 (Tab	ODCM 3.8.C.4	ODCM 3.8.C.4	Stack was changed to stacks	IR#359300, Indicate both stacks are covered, NRC comments	Feb-08
4	ODCMS 3.10.2.d	ODCM 3.10-2	ODCM B 3.8-1	d. will be removed	AR# 265026, As per 10 CFR 72.13 no longer a reporting requirement	Feb-08
5	AR 00359300	ODCM 3.8.B-9	ODCM 3.8.B-10, ODCM 3.8.B-11	Surveillance requirements-Added same for Channel Check, Channel Functional Test and Channel Calibration for each monitor (p ODCM 3.8.B.10 and 11).	Per AR direction, added ODCMS Requirements 4.8.B.3.7 thru 4.8.B.18 to specify Instrument Checks, Instrument Functional Tests, Source Checks, and Instrument Calibration for the service water, emergency service water and high pressure service water effluent line radiation monitors.	Feb-08
6	AR 00359300	N/A	ODCMS 3.8.C-13	Source check requirements-Added same for Main Stack and Vent Stack effluent monitors (ODCMS 4.8.C.4.10 and 4.8.C.4.11 both on p. ODCMS 3.8.C-13)	AR direction.	Feb-08
7	AR 00359300	N/A	ODCMS 3.8.A-1 thru ODCMS 3.8.A-3	Definitions- Reviewed same against NUREG-1302 and made suggested changes to GASEOUS RADWASTE TREATMENT SYSTEM, INSTRUMENT CALIBRATION, INSTRUMENT FUNCTIONAL TEST, OFFSITE DOSE CALCULATION MANUAL, and SOURCE CHECK definitions (P. ODCM 3.8.A-1 thru ODCM 3.8.A-	Better consistancy with regulatory documents.	Feb-08
8	AR 00359300	N/A	ODCM 3.8.B-7-9	Service water, ESW, and HPSW monitors, Include in the ODCMS	Per AR direction, added Functional requirement to ODCMS 3.8.B.3 (p. ODCM 3.8.B-7); item D under Compensatory Measures (p. ODCM 3.8.B-8 and 9).	Feb-08

9	ODCMS 3.8.B.1, Required compensatory measures A.1, A.2, A.3	ODCM 3.8.B-1	ODCM 3.8.B-1 Added "Initiate Actions to"	Administrative wording upgrades – Certain wording changes were made to enhance clarity regarding ODCMS required compensatory measures	These changes are considered as administrative upgrades and do not adversely affect the quality of the ODCM and enhance compliance to regulatory requirements. These changes were to typically add words such as 'initiate actions to' or delete redundant or unnecessary words	Feb-08
9a	ODCMS 4.8.B.1.2	ODCM 3.8.B-2	ODCM 3.8.B-2	See Item#9		Feb-08
9b	ODCMS 3.8.B.4, Required Compensatory measure A.1	ODCM 3.8.B-12	ODCM 3.8.B-12	See Item#9	See Item#9	Feb-08
9a	ODCMS 3.8.C.1, Required	ODCM 3.8.C-1	ODCM 3.8.C-1	See Item#9	See Item#9	Feb-08
9c	ODCMS 3.8.C.4, Required Compensatory measure B.1	ODCM 3.8.C-10	ODCM 3.8.C-11	See Item#9	See Item#9	Feb-08
9d	ODCMS 3.8.C.6, Required	ODCM 3.8.C-17	ODCM 3.8.C-17	See Item#9	See Item#9	Feb-08
10	ODCMS 4.8.B.3.6	ODCM 3.8.B-9	ODCM 3.8.B-10	The instrument calibration of the radwaste effluents flow monitor (ODCMS 4.8.B.3.6) was changed from an 'instrument calibration' to an 'electronic alignment'	1. . This ensures that the intent of the test requirement is clear. A full 'instrument calibration' is impractical to perform. An electronic alignment provides reasonable assurance that appropriate flow is known. Additionally, flow is verified to be appropriate by liquid radwaste tank level comparisons during effluent releases.	Feb-08
11	ODCMS 3.9	3.9-1, 3.9-2	N/A	Deletion of ODCMS 3.9	1. Major Changes to Radioactive Waste Treatment Systems – This section is being deleted since there are redundant requirements elsewhere that ensure that changes to radioactive waste treatment systems are properly evaluated and reported to the NRC as applicable. 10CFR 50.59 delineates the requirements of what must be submitted to the NRC in the routine 10CFR 50.59 report. The details of the content of the 10CFR 50.59 report is not required to exist in the ODCMS and results in unwarranted and additional regulatory burden. 10CFR 20 does not require this level of regulatory requirements. The definition of 'major changes' is superseded by revisions to the 10CFR 50.59 process that have been extensively reviewed by NEI and the NRC and codified in 10CFR 50.59. The details of PORC and NSRB are governed by the QATR and applicable ANSI standards. Therefore, the ODCMS 3.9 discussion of PORC and NSRB is duplicative and unwarranted regulatory burden.	Feb-08

12	ODCMS 3.10.3	ODCM 3.10.2	N/A	Deletion of Radiological Dose Assesssment Report	Deletion of the details of the RDAR from ODCMS 3.10.3 –The RDAR was relocated out of Tech specs at the time of ITS implementation. In this project, they were determined to not be of a safety significant nature that they were required to be retained in the Tech Specs. This information can be made available to NRC inspectors if required. Therefore, maintaining these ODCMS sections and details of reporting is judged to be unwarranted regulatory burden. Appropriate elements of these reports will be performed in accordance with other regulatory requirements and guidance, as appropriate.	Feb-08
13	ODCMS 3.8.B.2, Required Compensatory measure A.1	3.8.B-5	3.8.B-5	Removal of Special Reporting to NRC requirements ; Added "Initiate a Condition Report..."; ODCMS Rev.12 states "Submit a Special Report to the NRC"	Special reports not required elsewhere by regulations or other regulatory requirements were changed to ensure that the occurrence was entered into the site corrective action program in lieu of NRC reporting. NRC special reports are unwarranted regulatory burden that is not required by 10CFR 20. The NRC resident inspector and baseline reactor oversight programs are in place to ensure that the NRC is aware of appropriate issues. The NRC routine reviews and has access to the corrective action program.	Feb-08
13a	ODCMS 3.8.B.3, Required Compensatory	3.8.B-9	3.8.B-9	Removal of Special Reporting to NRC requirements	See Item #13	Feb-08
13b	ODCMS 3.8.B.4, Required Compensatory measure A.1	3.8.B-12	3.8.B-12	Removal of Special Reporting to NRC requirements	See Item #13	Feb-08
13c	ODCMS 3.8.C.2, Required Compensatory measure A.1	3.8.C-5	3.8.C-5	Removal of Special Reporting to NRC requirements	See Item #13	Feb-08
13d	ODCMS 3.8.C.3, Required Compensatory	3.8.C-7	3.8.C-7	Removal of Special Reporting to NRC requirements	See Item #13	Feb-08
13e	ODCMS 3.8.C.4, Required Compensatory	3.8.C-9	3.8.C-12	Removal of Special Reporting to NRC requirements	See Item #13	Feb-08
13f	ODCMS 3.8.C.5, Required Compensatory	3.8.C-14	3.8.C-15	Removal of Special Reporting to NRC requirements	See Item #13	Feb-08
13g	ODCMS 3.8.C.7, Required Compensatory	3.8.C-18	3.8.C-18	Removal of Special Reporting to NRC requirements	See Item #13	Feb-08
13h	ODCMS 3.8.D.1, Required Compensatory	3.8.D-1	3.8.D-1	Removal of Special Reporting to NRC requirements	See Item #13	Feb-08
13i	ODCMS 3.8.E.1, Condition B and Required	3.8.E-1	3.8.E-2	Removal of Special Reporting to NRC requirements	See Item #13	Feb-08
13j	ODCMS 3.8.E.1, Required Compensatory	3.8.E.-3	3.8.E-3	Removal of Special Reporting to NRC requirements	See Item #13	Feb-08
13k	ODCMS 3.8.E.1, Required Compensatory	3.8.E-4	3.8.E-4	Removal of Special Reporting to NRC requirements	See Item #13	Feb-08
13l	ODCMS 3.8.E.3, Required Compensatory	3.8.E-15	3.8.E-15	Removal of Special Reporting to NRC requirements	See Item #13	Feb-08

Appendix B- Revised copy of the ODCM

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