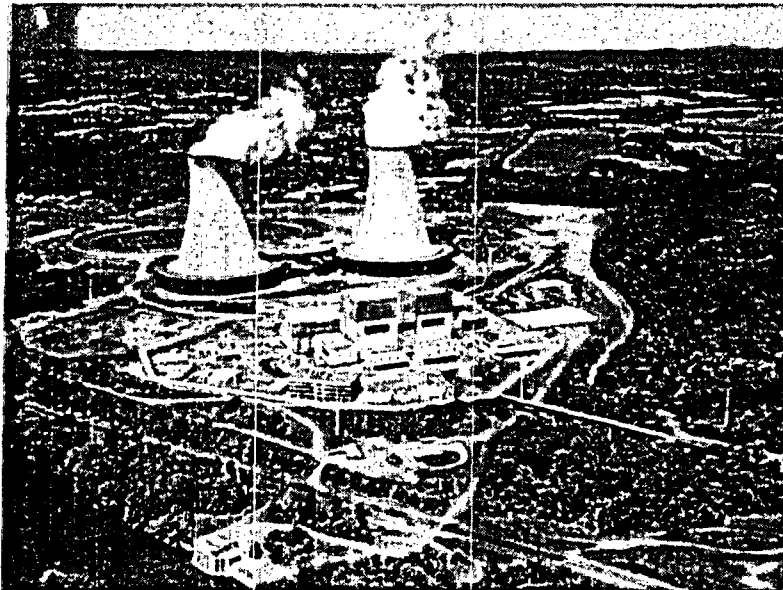


Exelon

Nuclear



Annual Radioactive Effluent Release Report
No. 31

2005

Limerick Generating Station

ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT

NO. 31

January 1, 2005 Through December 31, 2005

EXELON GENERATION COMPANY, LLC

**LIMERICK GENERATING STATION
UNITS NO. 1 AND 2**

DOCKET NO. 50-352 (Unit 1)

DOCKET NO. 50-353 (Unit 2)

**Submitted to
The United States Nuclear Regulatory Commission
Pursuant to
Facility Operating License:**

NPF-39 (Unit 1)

NPF-85 (Unit 2)

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1. Introduction

In accordance with the reporting requirements of Technical Specification 6.9.1.8 applicable during the reporting period, this report summarizes the effluent release data for Limerick Generating Station Units 1 and 2 for the period January 1, 2005 through December 31, 2005. This submittal complies with the format described in Regulatory Guide 1.21, "Measuring, Evaluating and Reporting Radioactivity in Solid Wastes and Releases of Radioactive Materials in Liquid and Gaseous Effluents from Light-Water Cooled Nuclear Power Plants", Revision 1, June, 1974.

All vendor results were received and included in the report calculations. Therefore the 2005 report is complete.

2. Supplemental Information

A. Regulatory Limits

Limit	Units	Receptor	ODCM and 10 CFR 50, Appendix I Design Objective Limits
1. Noble Gases:			
a. ≤ 500	mrem/Yr	Total Body	ODCM Control 3.2.2.1.a
≤ 3000	mrem/Yr	Skin	
b. ≤ 10	mRad	Air Gamma	Quarterly air dose limits ODCM Control 3.2.2.2.a
≤ 20	mRad	Air Beta	
c. ≤ 20	mRad	Air Gamma	Yearly air dose limits ODCM Control 3.2.2.2.b
≤ 40	mRad	Air Beta	
d. ≤ 10	mrem	Total Body (Gamma)	10 CFR 50, Appendix I, Section II.B.2(b)
≤ 30	mrem	Skin (Beta)	
2. Iodines, Tritium, Particulates with Half Life >8 days:			
a. ≤ 1500	mrem/Yr	Any Organ	ODCM Control 3.2.2.1.b
b. ≤ 15	mrem	Any Organ	Quarterly dose limits ODCM Control 3.2.2.3.a
c. ≤ 30	mrem	Any Organ	Yearly dose limits ODCM Control 3.2.2.3.b
3. Liquid Effluents			
a. Concentration 10 CFR 20, Appendix B, Table II Col. 2 (pre 1994)			ODCM Control 3.2.1.1
b. ≤ 3	mrem	Total Body	Quarterly dose limits ODCM Control 3.2.1.2.a
≤ 10	mrem	Any Organ	
c. ≤ 6	mrem	Total Body	Yearly dose limits ODCM Control 3.2.1.2.b
≤ 20	mrem	Any Organ	
4. 40 CFR 190			
≤ 25	mrem	Total Body	Yearly dose limits ODCM Control 3.2.3
≤ 75	mrem	Thyroid	

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B. 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 ODCM Controls 3.2.2.2.a and 3.2.2.2.b.

The Maximum Permissible Concentrations (MPC) specified in 10 CFR 20, Appendix B, Table II, Column 2 (pre 1994) for identified nuclides, were used to calculate permissible release rates and concentrations for liquid release per the Limerick Offsite Dose Calculation Manual Control 3.2.1.1. The total activity concentration for all dissolved or entrained gases was limited to $\leq 2E-04 \mu\text{Ci/ml}$.

C. Average Energy (\bar{E}):

The Limerick 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 (\bar{E}) 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 Limerick.

D. Measurements and Approximations of Total Radioactivity:

1. Fission and Activation Gases

The method used for Gamma Isotopic Analysis is the Canberra Gamma Spectroscopy System with a gas Marinelli beaker. Airborne effluent gaseous activity was continuously monitored and recorded in accordance with ODCM Table 4.2-2. Additional vent grab samples are taken from the North Stack, Unit 1 South Stack and Unit 2 South Stack and analyzed at least monthly to determine the isotopic mixture of noble gas activity released for the month. The data from the noble gas radiation monitor was analyzed to report net noble gas effluent activity. When no activity was found in the grab isotopic analysis, the isotopic mixture was assumed to be that evaluated in the UFSAR (Section 11.5, Table 11.5-4). If activity was found in the grab isotopic analysis, the isotopic mixture for the Noble Gas Monitor was determined from that isotopic mixture. When no isotopic activity was identified in the grab noble gas samples, the noble gas radiation monitor 15-minute average data for one-hour prior to and one-hour post noble gas grab sampling were used to determine monitor background for the month. The mean plus two standard deviations was used as background for each Noble Gas Monitor. When activity was identified the background determination was made from the last month that no activity was found.

2. Particulates and Iodines

The method used is the Canberra Gamma Spectroscopy System with a particulate filter (47 mm) or charcoal cartridge, respectively. Particulate and iodine activity was continuously sampled and analyzed in accordance with ODCM Table 4.2-2. Charcoal and particulate samples are taken from the North Stack, Unit 1 South Stack, Unit 2 South Stack and the Hot Maintenance Shop exhausts and analyzed at least weekly to determine the total activity released from the plant based on the highest vent flow rates recorded for the sampling period.

3. Liquid Effluents

Each batch of liquid effluent was sampled and analyzed for gamma isotopic activity in accordance with ODCM Table 4.2-1 prior to release. The total activity of each released

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batch was determined by multiplying each nuclide's concentration by the total volume discharged and then summing. The total activity released during a month was then determined by summing the activity content of all batch releases discharged during the month.

4. Tritium in Liquid and Gaseous Effluents:

Tritium in Liquid Effluents is analyzed using a Liquid Scintillation Counter.

Air from stack effluents was passed through two bubblers in series and an aliquot of the water from each bubbler was analyzed using a Liquid Scintillation Counter.

5. Composite Samples and Lower Limit of Detection (LLD)

Particulate air samples were composited quarterly and analyzed for gross alpha, Sr-89 and Sr-90. Liquid radwaste samples were composited monthly and quarterly and analyzed for gross alpha (monthly) and Fe-55, Sr-89 and Sr-90 (quarterly). These composites submitted to an offsite vendor laboratory for analysis. The ODCM required lower limit of detection for airborne and liquid releases are as follows:

Airborne:	LLD
Gross Alpha	1E-11 uCi/cc
Sr-89, Sr-90	1E-11 uCi/cc
I-131	1E-12 uCi/cc
I-133	1E-10 uCi/cc
Principal Gamma Emitters (Mn-54, Fe-59, Co-58, Co-60, Zn-65, I-131, Cs-134, Cs-137, Ce-141, Ce-144)	1E-11 uCi/cc
Noble Gas (Kr-87, Kr-88, Xe-133, Xe-133m, Xe-135, Xe-135m, Xe-138)	1E-04 uCi/cc
H-3	1E-06 uCi/cc
Liquid:	
Principal Gamma Emitters (Mn-54, Fe-59, Co-58, Co-60, Zn-65, Cs-134, Cs-137, Ce-141, Ce-144)	5E-07 uCi/ml
I-131	1E-06 uCi/ml
Entrained Gases (Kr-87, Kr-88, Xe-133, Xe-133m, Xe-135, Xe-135m, Xe-138)	1E-05 uCi/ml
H-3	1E-05 uCi/ml
Gross Alpha	1E-07 uCi/ml
Sr-89, Sr-90	5E-08 uCi/ml
Fe-55	1E-06 uCi/ml

6. Estimated Total Error Present

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

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E. Batch Releases:

1. Liquid

	Qtr 1	Qtr 2	Qtr 3	Qtr 4
Number of Batch Releases	5.70E+01	1.80E+01	3.80E+01	3.00E+01
Total time period for batch releases (min)	4.23E+03	1.17E+03	2.49E+03	2.05E+03
Maximum time period for batch release (min)	9.38E+01	7.47E+01	8.44E+01	7.68E+01
Average time period for batch release (min)	7.42E+01	6.51E+01	6.57E+01	6.82E+01
Minimum time period for batch release (min)	2.67E+01	5.35E+01	3.69E+01	5.35E+01
Average stream flow (Schuylkill River) during periods of release of effluents into a flowing stream (gpm)	1.42E+06	1.73E+06	3.65E+05	1.76E+06

2. Gaseous

Oil Incineration				
	Qtr 1	Qtr 2	Qtr 3	Qtr 4
Number of Batch Releases	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total time period for batch releases (min)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Maximum time period for batch release (min)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Average time period for batch release (min)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Minimum time period for batch release (min)	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Other Batch Releases				
	Qtr 1	Qtr 2	Qtr 3	Qtr 4
Number of Batch Releases	3.00E+00	6.00E+00	0.00E+00	1.00E+00
Total time period for batch releases (min)	1.04E+04	4.42E+04	0.00E+00	1.01E+04
Maximum time period for batch release (min)	8.51E+03	1.01E+04	0.00E+00	1.01E+04
Average time period for batch release (min)	3.46E+03	7.37E+03	0.00E+00	1.01E+04
Minimum time period for batch release (min)	4.00E+02	1.13E+03	0.00E+00	1.01E+04

F. Abnormal Releases:

1. <u>Liquid</u>	Qtr 1	Qtr 2	Qtr 3	Qtr 4
Number of Releases	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total Activity Released (Ci)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2. <u>Gaseous</u>				
Number of Releases	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total Activity Released (Ci)	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
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G. Revisions to the ODCM

There were no revisions made to the station's ODCM in 2005.

H. Compliance to 40 CFR 190 Limits

The radioactive material released during this reporting period and the doses listed in this report were within the limits of the ODCM and 40 CFR 190.

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Appendix A
Effluent and Waste Disposal Summary

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TABLE 1 GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

PERIOD 2005

A. FISSION AND ACTIVATION GASSES

	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Est. Total Error %
1. Total Release	Ci	1.21E+01	1.39E+00	4.43E+00	2.09E+01	3.66E+01
2. Average Release Rate for Period	uCi/sec	1.54E+00	1.76E-01	5.64E-01	2.66E+00	
3. Percent of ODCM Limit	%	5.35E-03	1.48E-03	4.96E-03	2.45E-02	
- Gamma Air Dose						
- Beta Air Dose	%	3.03E-03	4.59E-04	1.53E-03	7.50E-03	

B. IODINES

	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Est. Total Error %
1. Total – I-131	Ci	5.41E-04	0.00E+00	0.00E+00	9.09E-07	2.04E+01
2. Average Release Rate for Period	uCi/sec	6.88E-05	0.00E+00	0.00E+00	1.16E-07	
3. Percent of Limit	%	*	*	*	*	

C. PARTICULATES

	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Est. Total Error %
1. Particulates with T 1/2 > 8 days	Ci	8.37E-05	4.25E-05	0.00E+00	8.95E-06	2.26E+01
2. Average Release Rate for Period	uCi/sec	1.07E-05	5.40E-06	0.00E+00	1.14E-06	
3. Percent of ODCM Limit	%	*	*	*	*	
4. Gross Alpha	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	

D. TRITIUM

	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Est. Total Error %
1. Total Release	Ci	0.00E+00	0.00E+00	0.00E+00	3.28E+00	1.57E+01
2. Average Release Rate for Period	uCi/sec	0.00E+00	0.00E+00	0.00E+00	4.17E-01	
3. Percent of ODCM Limit	%	*	*	*	*	

E. Iodine 131 & 133, Tritium & Particulate

	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
1. Percent of ODCM Limit	%	5.77E-01	1.79E-03	0.00E+00	6.03E-03
- Organ Dose					

* ODCM Limit is for combined iodine, tritium and particulate only, which is shown in Item E.

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TABLE 2 GASEOUS EFFLUENTS FOR RELEASE POINT – NORTH STACK

PERIOD 2005

1. FISSION AND ACTIVATION GASSES

Nuclide Released	Continuous Mode				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
KR-85	Ci	4.41E-02	3.77E-04	1.82E-02	1.70E-01
KR-85M	Ci	1.17E-02	9.97E-05	4.82E-03	4.49E-02
KR-87	Ci	2.04E-02	1.75E-04	8.44E-03	7.87E-02
KR-88	Ci	3.61E-02	3.09E-04	1.49E-02	1.39E-01
XE-131M	Ci	1.10E-03	9.44E-06	4.56E-04	4.25E-03
XE-133	Ci	3.03E-02	3.52E-05	1.70E-03	1.58E-02
XE-135	Ci	1.18E+00	1.38E-03	6.65E-02	6.20E-01
XE-135M	Ci	7.55E-01	8.78E-04	4.24E-02	3.95E-01
XE-138	Ci	2.20E-01	1.88E-03	9.09E-02	8.47E-01
AR-41	Ci	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	2.30E+00	5.14E-03	2.48E-01	2.31E+00

2. IODINES

Nuclide Released	Continuous Mode				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
I-131	Ci	4.44E-04	<LLD	<LLD	<LLD
I-133	Ci	1.49E-04	<LLD	<LLD	<LLD
I-135	Ci	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	5.92E-04	<LLD	<LLD	<LLD

3. PARTICULATES (T 1/2 > 8 DAYS)

Nuclide Released	Continuous Mode				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
SR-89	Ci	<LLD	<LLD	<LLD	<LLD
SR-90	Ci	<LLD	<LLD	<LLD	<LLD
CS-134	Ci	<LLD	<LLD	<LLD	<LLD
CS-137	Ci	<LLD	<LLD	<LLD	<LLD
BA-140	Ci	<LLD	<LLD	<LLD	<LLD
LA-140	Ci	<LLD	<LLD	<LLD	<LLD
CE-141	Ci	<LLD	<LLD	<LLD	<LLD
CR-51	Ci	<LLD	<LLD	<LLD	<LLD
MN-54	Ci	<LLD	<LLD	<LLD	<LLD
CO-58	Ci	<LLD	<LLD	<LLD	<LLD
CO-60	Ci	<LLD	<LLD	<LLD	<LLD
MO-99	Ci	<LLD	<LLD	<LLD	<LLD
AG-110M	Ci	<LLD	<LLD	<LLD	<LLD
CE-144	Ci	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	<LLD	<LLD	<LLD	<LLD

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

TABLE 3 GASEOUS EFFLUENTS FOR RELEASE POINT – UNIT 1 SOUTH STACK

PERIOD 2005

1. FISSION AND ACTIVATION GASSES

Nuclide Released	Continuous Mode				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
KR-85	Ci	<LLD	<LLD	<LLD	<LLD
KR-85M	Ci	2.13E-02	2.11E-02	6.00E-02	6.32E-02
KR-87	Ci	2.13E-02	2.11E-02	6.00E-02	6.32E-02
KR-88	Ci	2.13E-02	2.11E-02	6.00E-02	6.32E-02
XE-133	Ci	8.91E+00	4.58E-01	1.30E+00	1.37E+00
XE-135	Ci	2.41E-01	2.40E-01	6.80E-01	7.17E-01
XE-135M	Ci	3.27E-01	3.24E-01	9.20E-01	9.70E-01
XE-138	Ci	4.97E-02	4.94E-02	1.40E-01	1.48E-01
AR-41	Ci	8.88E-02	8.82E-02	2.50E-01	2.64E-01
Total for Period	Ci	9.68E+00	1.22E+00	3.47E+00	3.66E+00

2. IODINES

Nuclide Released	Continuous Mode				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
I-131	Ci	9.11E-05	<LLD	<LLD	<LLD
I-133	Ci	<LLD	<LLD	<LLD	<LLD
I-135	Ci	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	9.11E-05	<LLD	<LLD	<LLD

3. PARTICULATES (T 1/2 > 8 DAYS)

Nuclide Released	Continuous Mode				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
SR-89	Ci	<LLD	<LLD	<LLD	<LLD
SR-90	Ci	<LLD	<LLD	<LLD	<LLD
CS-134	Ci	<LLD	<LLD	<LLD	<LLD
CS-137	Ci	<LLD	<LLD	<LLD	<LLD
BA-140	Ci	<LLD	<LLD	<LLD	<LLD
LA-140	Ci	<LLD	<LLD	<LLD	<LLD
CE-141	Ci	<LLD	<LLD	<LLD	<LLD
CR-51	Ci	4.31E-05	<LLD	<LLD	<LLD
MN-54	Ci	<LLD	<LLD	<LLD	<LLD
CO-58	Ci	<LLD	<LLD	<LLD	<LLD
CO-60	Ci	3.86E-05	<LLD	<LLD	<LLD
MO-99	Ci	<LLD	<LLD	<LLD	<LLD
AG-110M	Ci	<LLD	<LLD	<LLD	<LLD
CE-144	Ci	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	8.17E-05	<LLD	<LLD	<LLD

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

TABLE 4 GASEOUS EFFLUENTS FOR RELEASE POINT – UNIT 2 SOUTH STACK

PERIOD 2005

1. FISSION AND ACTIVATION GASSES

Nuclide Released	Continuous Mode				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
KR-85	Ci	<LLD	<LLD	<LLD	<LLD
KR-85M	Ci	1.76E-03	2.74E-03	1.24E-02	2.58E-01
KR-87	Ci	1.76E-03	2.74E-03	1.24E-02	2.58E-01
KR-88	Ci	1.76E-03	2.74E-03	1.24E-02	2.58E-01
XE-133	Ci	3.82E-02	5.95E-02	2.68E-01	5.58E+00
XE-135	Ci	2.00E-02	3.11E-02	1.40E-01	2.92E+00
XE-135M	Ci	2.71E-02	4.21E-02	1.90E-01	3.95E+00
XE-138	Ci	4.12E-03	6.41E-03	2.89E-02	6.02E-01
AR-41	Ci	7.36E-03	1.15E-02	5.16E-02	1.07E+00
Total for Period	Ci	1.02E-01	1.59E-01	7.16E-01	1.49E+01

2. IODINES

Nuclide Released	Continuous Mode				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
I-131	Ci	<LLD	<LLD	<LLD	<LLD
I-133	Ci	<LLD	<LLD	<LLD	<LLD
I-135	Ci	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	<LLD	<LLD	<LLD	<LLD

3. PARTICULATES (T 1/2 > 8 DAYS)

Nuclide Released	Continuous Mode				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
SR-89	Ci	<LLD	<LLD	<LLD	<LLD
SR-90	Ci	<LLD	<LLD	<LLD	<LLD
CS-134	Ci	<LLD	<LLD	<LLD	<LLD
CS-137	Ci	<LLD	<LLD	<LLD	<LLD
BA-140	Ci	<LLD	<LLD	<LLD	<LLD
LA-140	Ci	<LLD	<LLD	<LLD	<LLD
CE-141	Ci	<LLD	<LLD	<LLD	<LLD
CR-51	Ci	<LLD	<LLD	<LLD	<LLD
MN-54	Ci	<LLD	<LLD	<LLD	<LLD
CO-58	Ci	<LLD	<LLD	<LLD	<LLD
CO-60	Ci	<LLD	<LLD	<LLD	<LLD
MO-99	Ci	<LLD	<LLD	<LLD	<LLD
AG-110M	Ci	<LLD	<LLD	<LLD	<LLD
CE-144	Ci	<LLD	<LLD	<LLD	<LLD
ND-147	Ci	<LLD	<LLD	<LLD	8.95E-06
Total for Period	Ci	<LLD	<LLD	<LLD	8.95E-06

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

TABLE 5 GASEOUS EFFLUENTS FOR RELEASE POINT – HOT MAINTENANCE SHOP PERIOD 2005

1. FISSION AND ACTIVATION GASSES

NO ANALYSIS PERFORMED FOR ACTIVATION GASSES. PATHWAY DOES NOT EXIST.

2. IODINES

Nuclide Released	Continuous Mode				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
I-131	Ci	<LLD	<LLD	<LLD	9.09E-07
I-133	Ci	<LLD	<LLD	<LLD	<LLD
I-135	Ci	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	<LLD	<LLD	<LLD	9.09E-07

3. PARTICULATES (T 1/2 > 8 DAYS)

Nuclide Released	Continuous Mode				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
SR-89	Ci	<LLD	<LLD	<LLD	<LLD
SR-90	Ci	<LLD	<LLD	<LLD	<LLD
CS-134	Ci	<LLD	<LLD	<LLD	<LLD
CS-137	Ci	<LLD	<LLD	<LLD	<LLD
BA-140	Ci	<LLD	<LLD	<LLD	<LLD
LA-140	Ci	<LLD	<LLD	<LLD	<LLD
CE-141	Ci	<LLD	<LLD	<LLD	<LLD
CR-51	Ci	<LLD	<LLD	<LLD	<LLD
MN-54	Ci	<LLD	<LLD	<LLD	<LLD
CO-58	Ci	<LLD	<LLD	<LLD	<LLD
CO-60	Ci	<LLD	<LLD	<LLD	<LLD
MO-99	Ci	<LLD	<LLD	<LLD	<LLD
AG-110M	Ci	<LLD	<LLD	<LLD	<LLD
CE-144	Ci	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	<LLD	<LLD	<LLD	<LLD

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

TABLE 6 GASEOUS EFFLUENTS FOR RELEASE POINT – OIL INCINERATION

PERIOD 2005

1. FISSION AND ACTIVATION GASSES

NO ANALYSIS PERFORMED FOR ACTIVATION GASSES. PATHWAY DOES NOT EXIST.

2. IODINES

Nuclide Released	Batch Release				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
I-131	Ci	N/A	N/A	N/A	N/A
I-133	Ci	N/A	N/A	N/A	N/A
I-135	Ci	N/A	N/A	N/A	N/A
Total for Period	Ci	N/A	N/A	N/A	N/A

3. PARTICULATES (T 1/2 > 8 DAYS)

Nuclide Released	Batch Release				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
SR-89	Ci	N/A	N/A	N/A	N/A
SR-90	Ci	N/A	N/A	N/A	N/A
CS-134	Ci	N/A	N/A	N/A	N/A
CS-137	Ci	N/A	N/A	N/A	N/A
BA-140	Ci	N/A	N/A	N/A	N/A
LA-140	Ci	N/A	N/A	N/A	N/A
CR-51	Ci	N/A	N/A	N/A	N/A
MN-54	Ci	N/A	N/A	N/A	N/A
CO-58	Ci	N/A	N/A	N/A	N/A
CO-60	Ci	N/A	N/A	N/A	N/A
MO-99	Ci	N/A	N/A	N/A	N/A
AG-110M	Ci	N/A	N/A	N/A	N/A
CE-141	Ci	N/A	N/A	N/A	N/A
CE-144	Ci	N/A	N/A	N/A	N/A
FE-55	Ci	N/A	N/A	N/A	N/A
Total for Period	Ci	N/A	N/A	N/A	N/A

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

TABLE 7 GASEOUS EFFLUENTS FOR RELEASE POINT – OTHER BATCH RELEASES PERIOD 2005

1. FISSION AND ACTIVATION GASSES

Nuclide Released	Batch Release				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
KR-85	Ci	<LLD	<LLD	<LLD	<LLD
KR-85M	Ci	<LLD	<LLD	<LLD	<LLD
KR-87	Ci	<LLD	<LLD	<LLD	<LLD
KR-88	Ci	<LLD	<LLD	<LLD	<LLD
XE-133	Ci	<LLD	<LLD	<LLD	<LLD
XE-135	Ci	<LLD	<LLD	<LLD	<LLD
XE-135M	Ci	<LLD	<LLD	<LLD	<LLD
XE-138	Ci	<LLD	<LLD	<LLD	<LLD
AR-41	Ci	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	<LLD	<LLD	<LLD	<LLD

2. IODINES

Nuclide Released	Batch Release				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
I-131	Ci	6.44E-06	<LLD	<LLD	<LLD
I-133	Ci	<LLD	<LLD	<LLD	<LLD
I-135	Ci	<LLD	<LLD	<LLD	<LLD
Total for Period	Ci	6.44E-06	<LLD	<LLD	<LLD

3. PARTICULATES (T 1/2 > 8 DAYS)

Nuclide Released	Batch Release				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
SR-89	Ci	<LLD	<LLD	<LLD	<LLD
SR-90	Ci	<LLD	<LLD	<LLD	<LLD
TE-129M	Ci	<LLD	<LLD	<LLD	<LLD
CS-134	Ci	<LLD	<LLD	<LLD	<LLD
CS-137	Ci	<LLD	<LLD	<LLD	<LLD
BA-140	Ci	<LLD	<LLD	<LLD	<LLD
LA-140	Ci	<LLD	<LLD	<LLD	<LLD
CR-51	Ci	<LLD	1.14E-05	<LLD	<LLD
MN-54	Ci	<LLD	8.28E-06	<LLD	8.75E-11
CO-58	Ci	<LLD	2.43E-06	<LLD	<LLD
CO-60	Ci	8.34E-07	1.90E-05	<LLD	1.97E-10
MO-99	Ci	<LLD	<LLD	<LLD	<LLD
AG-110M	Ci	<LLD	<LLD	<LLD	<LLD
CE-141	Ci	<LLD	<LLD	<LLD	<LLD
CE-144	Ci	<LLD	<LLD	<LLD	<LLD
ZN-65	Ci	<LLD	1.40E-06	<LLD	<LLD
ZR-95	Ci	5.42E-07	<LLD	<LLD	<LLD
NB-95	Ci	6.31E-07	<LLD	<LLD	<LLD
ND-147	Ci	<LLD	<LLD	<LLD	4.96E-11
Total for Period	Ci	2.01E-06	4.25E-05	<LLD	3.34E-10

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

TABLE 8 LIQUID EFFLUENTS – SUMMATION OF ALL RELEASES

PERIOD 2005

A. FISSION AND ACTIVATION PRODUCTS

	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Est. Total Error %
1. Total release (not including tritium, gasses & alpha)	Ci	1.27E-03	2.55E-04	3.55E-03	2.49E-04	2.11E+01
2. Average diluted concentration during batch discharge for the period	uCi/ml	1.22E-08	1.01E-08	6.30E-08	5.29E-09	
3. % of ODCM Limit - Whole Body Dose*	%	1.46E-02	3.60E-03	2.73E-02	5.17E-03	
- Organ Dose*		4.40E-03	1.40E-03	8.27E-03	1.56E-03	

B. TRITIUM

	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Est. Total Error %
1. Total Release	Ci	1.46E+01	2.69E+00	6.48E+00	5.95E+00	6.43E+00
2. Average diluted concentration during batch discharge for the period	uCi/ml	1.40E-04	1.06E-04	1.15E-04	1.27E-04	
3. % of ODCM Limit - MPC	%	4.67E+00	3.53E+00	3.83E+00	4.23E+00	

C. DISSOLVED AND ENTRAINED GASSES

	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Est. Total Error %
1. Total release	Ci	9.19E-04	3.61E-07	2.35E-04	2.37E-04	2.11E+01
2. Average diluted concentration during batch discharge for the period	uCi/ml	8.84E-09	1.43E-11	4.17E-09	5.05E-09	
3. % of ODCM Limit - MPC	%	4.42E-03	7.15E-06	2.09E-03	2.53E-03	

D. GROSS ALPHA RADIOACTIVITY

	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Est. Total Error %
1. Total release	Ci	0.00E+00	0.00E+00	0.00E+00	9.90E-5	2.30E+01
2. Average diluted concentration during batch discharge for the period	uCi/ml	0.00E+00	0.00E+00	0.00E+00	5.89E-8	

	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Est. Total Error %
Volume of waste released (prior to dilution)	Liters	3.55E+06	9.84E+05	2.03E+06	1.68E+06	5.00E+00
Volume of dilution water used during period	Liters	1.00E+08	2.43E+07	5.44E+07	4.53E+07	3.56E+00

* Percent of limit includes tritium.

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

TABLE 9 LIQUID EFFLUENTS FOR RELEASE POINT – LIQUID RADWASTE

PERIOD 2005

Nuclide Released	Batch Release				
	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
SR-89	Ci	<LLD	<LLD	<LLD	<LLD
SR-90	Ci	<LLD	<LLD	<LLD	<LLD
CS-134	Ci	<LLD	<LLD	<LLD	<LLD
CS-137	Ci	1.13E-05	1.99E-05	3.51E-06	1.98E-05
I-131	Ci	1.34E-06	<LLD	<LLD	2.02E-06
CO-58	Ci	7.20E-05	5.19E-07	<LLD	<LLD
CO-60	Ci	4.01E-04	1.46E-04	1.66E-04	1.51E-04
FE-59	Ci	2.80E-05	<LLD	<LLD	<LLD
ZN-65	Ci	1.37E-05	1.84E-06	<LLD	<LLD
MN-54	Ci	3.06E-04	7.41E-05	5.66E-05	4.91E-05
CR-51	Ci	4.17E-04	<LLD	<LLD	<LLD
ZR-95	Ci	<LLD	<LLD	<LLD	<LLD
NB-95	Ci	<LLD	<LLD	<LLD	<LLD
MO-99	Ci	<LLD	<LLD	<LLD	<LLD
TC-99M	Ci	<LLD	<LLD	<LLD	<LLD
BA-140	Ci	<LLD	<LLD	<LLD	<LLD
LA-140	Ci	<LLD	<LLD	<LLD	<LLD
CE-141	Ci	<LLD	<LLD	9.13E-07	<LLD
AG-110M	Ci	1.02E-05	<LLD	<LLD	2.49E-06
FE-55	Ci	<LLD	<LLD	3.31E-03	<LLD
SB-125	Ci	2.62E-06	1.13E-05	1.19E-05	2.07E-05
SB-124	Ci	3.35E-06	1.22E-06	6.33E-07	<LLD
TE-131	Ci	7.72E-07	<LLD	<LLD	<LLD
TE-132	Ci	<LLD	<LLD	4.49E-07	<LLD
BR-84	Ci	<LLD	<LLD	<LLD	1.08E-06
I-133	Ci	<LLD	<LLD	<LLD	6.45E-07
ND-147	Ci	3.17E-06	<LLD	<LLD	3.05E-06
ZR-95	Ci	<LLD	7.63E-07	<LLD	<LLD
Total for Period	Ci	1.27E-03	2.56E-04	3.55E-03	2.50E-04
XE-133	Ci	7.28E-04	<LLD	5.51E-05	1.77E-04
XE-135	Ci	1.90E-04	<LLD	2.36E-05	5.53E-05
KR-85	Ci	<LLD	<LLD	1.34E-04	<LLD
KR-85M	Ci	7.06E-07	<LLD	<LLD	<LLD
KR-87	Ci	<LLD	<LLD	7.78E-07	6.24E-07
XE-131M	Ci	<LLD	<LLD	1.95E-05	<LLD
XE-133M	Ci	<LLD	<LLD	<LLD	3.14E-06
XE-135M	Ci	<LLD	3.61E-07	<LLD	<LLD
XE-137	Ci	<LLD	<LLD	<LLD	<LLD
XE-138	Ci	<LLD	<LLD	2.35E-06	7.81E-07
Total for Period	Ci	9.19E-04	3.61E-07	2.35E-04	2.37E-04

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
LICENSEE: EXELON GENERATION COMPANY, LLC

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SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
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Appendix B
Solid Waste and Irradiated Fuel Shipments

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
LICENSEE: EXELON GENERATION COMPANY, LLC

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SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

A. Solid waste shipped offsite for burial or disposal (not irradiated fuel) 1/1/05 – 12/31/05

1. Type of Waste

Type of waste	Unit	2005	Estimated Error %
a. Spent resin, filters sludges, evaporator bottoms, etc	m ³	8.36E+01	25%
	Ci	4.23E+02	
b. Dry compressible waste, contaminated equipment, etc.	m ³	1.16E+02	25%
	Ci	1.88E+00	
c. Irradiated components, control rods, etc.	m ³	5.47E+00	25%
	Ci	5.67E+04	
d. Other (Describe)	m ³	None	N/A
	Ci	None	

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	Waste Class B Curies *	Percent Abundance	Waste Class C Curies *	Percent Abundance
Fe-59	0.00E+00	0.00%	1.44E+01	5.03%	0.00E+00	0.00%
Mn-54	3.21E+01	24.93%	9.22E+01	32.21%	2.17E+00	25.26%
Fe-55	1.81E+01	14.05%	3.15E+01	11.00%	1.90E-01	2.21%
Co-60	5.50E+01	42.71%	8.13E+01	28.40%	4.51E+00	52.50%
Ni-63	7.73E+00	6.00%	6.17E+00	2.16%	3.49E-01	4.06%
Zn-65	7.67E+00	5.96%	1.55E+01	5.42%	6.49E-01	7.56%
Cs-137	3.67E+00	2.85%	7.59E+00	2.65%	5.05E-01	5.88%
Ce-144	3.38E-01	0.26%	1.17E+00	0.41%	8.84E-02	1.03%
Co-58	2.76E+00	2.15%	6.20E+00	2.17%	1.29E-01	1.50%
Cr-51	8.08E-01	0.63%	2.67E+01	9.33%	0.00E+00	0.00%
Cs-134	5.98E-01	0.46%	3.49E+00	1.22%	0.00E+00	0.00%
TOTALS	1.29E+02	100.00%	2.86E+02	100.00%	8.59E+00	100.00%

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

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

Isotope	Waste Class A Curies (estimated)	Percent Abundance	Waste Class B Curies (estimated)	Percent Abundance
Cr-51	1.84E-01	9.95%	7.59E-02	12.82%
Mn-54	3.82E-01	20.65%	1.94E-01	32.78%
Fe-55	3.30E-01	17.84%	9.13E-02	15.42%
Co-58	3.19E-02	1.72%	1.79E-02	3.03%
Co-60	7.81E-01	42.22%	1.38E-01	23.32%
Fe-59	2.50E-02	1.35%	4.16E-02	7.03%
Zn-65	1.16E-01	6.27%	3.31E-02	5.60%
TOTALS	1.85E+00	100.00%	5.92E-01	100.00%

Category C – Irradiated Components, Control Rods, etc.

Isotope	Waste Class B Curies (estimated)	Percent Abundance	Waste Class C Curies (estimated)	Percent Abundance
Co-60	1.98E+01	51.12%	3.13E+04	55.16%
Fe-55	1.67E+01	43.11%	2.25E+04	39.66%
Ni-63	1.92E+00	4.93%	2.11E+03	3.72%
Mn-54	3.08E-01	0.79%	6.34E+02	1.12%
Cr-51	2.70E-04	0.00%	1.04E+02	0.18%
Co-58	2.54E-03	0.01%	5.74E+01	0.10%
Ni-59	9.98E-03	0.02%	1.10E+01	0.02%
Fe-59	1.07E-04	0.00%	8.11E+00	0.01%
H-3	3.11E-03	0.01%	4.33E+00	0.01%
Zn-65	5.55E-05	0.00%	3.96E+00	0.01%
C-14	2.74E-03	0.01%	2.99E+00	0.01%
TOTALS	3.87E+01	100.00%	5.67E+04	100.00%

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
LICENSEE: EXELON GENERATION COMPANY, LLC

3. Solid Waste (Disposition)

Number of Shipments	Mode of Transportation	Destination
6	Truck	Studsvik (THOR) to Barnwell
6	Truck	Studsvik (THOR) to Envirocare
21	Truck	Duratek to Envirocare
11	Rail	Alaron to Envirocare
8	Truck	RACE LLC. to Envirocare
8	Truck	Limerick Generating Station to Envirocare
5	Truck	Limerick Generating Station to Barnwell

Comments:

11 Shipments were made from Limerick to Duratek for processing
7 Shipments were made from Limerick to Alaron for processing
5 Shipments were made from Limerick to Studsvik (THOR) for processing
No solidifications were performed

Category A - 24 shipments Type A LSA
Category A - 4 shipments > Type A LSA
Category A - 2 shipments Type B
Category B - 32 shipments Type A LSA
Category B - 1 shipment Type B
Category C - 4 shipments Type B
Category D - No shipments made

B. Irradiated Fuel Shipments (disposition)

Number of Shipments	Mode of Transportation	Destination
4	Truck	Barnwell

C. Changes to the Process Control Program

Revision 3 of RW-AA-100, the Process Control Program was issued on April 26, 2005. The significant changes made were enhancements and clarification for radwaste goals and preparation/distribution of the Radwaste Monthly Report.

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2 .
LICENSEE: EXELON GENERATION COMPANY, LLC

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SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
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Appendix C
Dose Calculations

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
LICENSEE: EXELON GENERATION COMPANY, LLC

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SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Per ODCM Control 6.2, the Annual Radioactive Effluent Release Report shall include an assessment of the radiation doses to the hypothetically highest exposed MEMBER OF THE PUBLIC from reactor releases and other nearby uranium fuel cycle sources. For purposes of this calculation the following assumptions were made:

Gaseous

- Annual average meteorology and actual gaseous effluent releases were used.
- Beta air dose attributed to noble gas releases.
- The sector with the highest x/Q, x/Q depleted and D/Q was the SE sector at Site Boundary 762 meters.
- All significant pathways were assumed to be present
- Occupancy factor was considered 100%.

Liquid

- Average river flow rate for the year (2.824E+03 cfs) was used.

A summary of gaseous and liquid radiation doses to members of the public at these locations was as follows:

Effluent	Applicable Organ	Estimated Dose	Age Group	Location		% of Applicable Limit	Limit	Unit
				Distance (meters)	Direction (toward)			
Noble Gas	Gamma - Air Dose	3.63E-03	All	762	SE	1.82E-02	20	mRad
Noble Gas	Beta – Air Dose	2.51E-03	All	762	SE	6.28E-03	40	mRad
Noble Gas	Total Body (Gamma)	2.39E-03	All	762	SE	2.39E-02	10	mrem
Noble Gas	Skin (Beta)	4.55E-03	All	762	SE	1.52E-02	30	mrem
Iodine, Particulate & Tritium	Thyroid	8.73E-02	Infant	762	SE	2.91E-01	30	mrem
Liquid	Total Body	1.05E-03	Child	Phila. Sub. Water		1.75E-02	6	mrem
Liquid	Liver	1.06E-03	Child	Phila. Sub. Water		5.30E-03	20	mrem

Doses calculated were well below all ODCM and 40 CFR Part 190 limits.

ODCM Control 6.2 also requires that the Annual Effluent Release Report shall include an assessment of the radiation doses from radioactive liquid and gaseous effluents to members of the public due to activities inside the Site Boundary during the report period. ODCM Controls state that MEMBER OF THE PUBLIC shall include all persons not occupationally associated with the plant. This category does not include employees of the utility or contractors. Also excluded from this category are persons who enter the site to service equipment or to make deliveries. This category does include persons who use portions of the site for recreational, occupational education, or other purposes not associated with the plant. Areas within the site boundary, where radiation dose of this type could occur include the Limerick Information Center on Longview Road near the rear exit of the plant, Frick's Lock on the west shore of the Schuylkill River and the railroad tracks that runs along the east shore of the River. The dose to State Police and National Guard personnel around the location of the Security Checkpoint was also included in this report. The radiation doses to Members of the Public have been estimated using methodology stated in the ODCM. The maximum gaseous dose to members of the public at these locations is based on the following assumptions:

- Annual average meteorology and actual effluent releases were used.
- Beta air dose attributed to noble gas releases.
- Dose is from ground plane and inhalation only. No ingestion dose.
- Adult age group was used for the State Police and National Guard Dose.

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
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- The x/Q, x/Q depleted and D/Q for the highest exposed sector for the railroad tracks (W), and the sectors enclosing Security Checkpoint, Frick's Lock and the Information Center available for occupancy were used.
- The maximum expected occupancy factor is 25% of a working year in all locations.
- Distance to the railroad tracks, which pass through the Site Boundary in the W sector, is approximately 225 meters.
- Distance to the Limerick Information Center is approximately 884 meters in the ESE sector.
- Distance to Frick's Lock is approximately 450 meters in the WSW sector.
- Distance to Security Checkpoint is approximately 682 meters in the NNE sector.

A summary of gaseous radiation doses to members of the public at these locations is as follows:

Location	Sector	Approx. Distance (meters)	GAMMA AIR DOSE, MRAD ⁽¹⁾	Beta Air Dose, MRAD ⁽²⁾	Iodine/Part/H3 Organ Dose, MREM ⁽³⁾
Frick's Lock	WSW	450	3.86E-04	2.67E-04	1.05E-04
Info. Center	ESE	884	5.09E-03	3.52E-03	1.45E-04
R.R. Tracks	W	225	1.43E-03	9.88E-03	3.50E-04
National Guard / Security Check Point	NNE	682	2.24E-04	1.55E-04	6.51E-05

Notes:

(1) The limit for Gamma Air Dose = 20 mRad/Yr (ref. ODCM 3.2.2.2.b)

(2) The limit for Beta Air Dose = 40 mRad/Yr (ref. ODCM 3.2.2.2.b)

(3) The limit for Iodine/Particulate/H-3 Organ Dose = 30 mrem/Yr (ref. ODCM 3.2.2.3.b)

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
LICENSEE: EXELON GENERATION COMPANY, LLC

Appendix D
Meteorological Data

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
LICENSEE: EXELON GENERATION COMPANY, LLC

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SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: January - March 2005
 Stability Class - Extremely Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
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	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	0	0	0	0	0	0

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: January - March 2005
 Stability Class - Moderately Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
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	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	1	0	0	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	0	1	0	0	0	0	1

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: January - March 2005
 Stability Class - Slightly Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	1	0	0	0	0	1
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	1	0	0	0	1
SW	0	1	0	0	0	0	1
WSW	0	2	2	0	0	0	4
W	0	2	0	0	0	0	2
WNW	0	0	7	7	0	0	14
NW	0	0	2	2	0	0	4
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	7	12	9	0	0	28

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: January - March 2005
 Stability Class - Neutral - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	15	53	7	0	0	0	75
NNE	14	28	2	0	0	0	44
NE	19	50	7	0	0	0	76
ENE	24	68	23	3	0	0	118
E	16	35	22	0	0	0	73
ESE	6	7	14	1	0	0	28
SE	2	8	0	0	0	0	10
SSE	0	9	1	0	0	0	10
S	4	18	1	0	0	0	23
SSW	4	9	2	2	0	0	17
SW	8	15	2	0	0	0	25
WSW	4	15	7	0	0	0	26
W	14	46	39	3	0	0	102
WNW	17	60	83	41	1	0	202
NW	11	62	119	105	15	1	313
NNW	15	59	46	12	0	0	132
Variable	0	0	0	0	0	0	0
Total	173	542	375	167	16	1	1274

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: January - March 2005
 Stability Class - Slightly Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	7	15	0	0	0	0	22
NNE	12	9	0	0	0	0	21
NE	19	9	2	0	0	0	30
ENE	24	16	0	0	0	0	40
E	15	15	4	0	0	0	34
ESE	6	4	3	0	0	0	13
SE	4	4	1	0	0	0	9
SSE	2	9	9	0	0	0	20
S	8	7	8	3	1	0	27
SSW	9	7	3	0	0	0	19
SW	14	1	0	0	0	0	15
WSW	10	8	0	0	0	0	18
W	26	33	3	0	0	0	62
WNW	23	74	9	1	0	0	107
NW	15	24	12	4	0	0	55
NNW	11	13	3	0	0	0	27
Variable	0	0	0	0	0	0	0
Total	205	248	57	8	1	0	519

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

SITE: LIMERICK GENERATING STATION-- UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: January - March 2005
 Stability Class - Moderately Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	6	0	0	0	0	0	6
NNE	5	0	0	0	0	0	5
NE	6	0	0	0	0	0	6
ENE	8	0	0	0	0	0	8
E	6	1	0	0	0	0	7
ESE	4	0	0	0	0	0	4
SE	1	1	1	0	0	0	3
SSE	0	0	0	0	0	0	0
S	1	0	0	0	0	0	1
SSW	4	3	0	0	0	0	7
SW	1	1	0	0	0	0	2
WSW	12	2	0	0	0	0	14
W	17	6	0	0	0	0	23
WNW	11	8	0	0	0	0	19
NW	10	4	0	0	0	0	14
NNW	7	0	1	0	0	0	8
Variable	0	0	0	0	0	0	0
Total	99	26	2	0	0	0	127

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

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Limerick Nuclear Station

Period of Record: January - March 2005
 Stability Class - Extremely Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	5	0	0	0	0	0	5
NNE	3	0	0	0	0	0	3
NE	5	0	0	0	0	0	5
ENE	3	0	0	0	0	0	3
E	2	0	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	1	0	0	0	0	0	1
SSW	0	0	0	0	0	0	0
SW	3	0	0	0	0	0	3
WSW	3	0	0	0	0	0	3
W	19	1	0	0	0	0	20
WNW	34	0	0	0	0	0	34
NW	18	0	0	0	0	0	18
NNW	17	0	0	0	0	0	17
Variable	0	0	0	0	0	0	0
Total	113	1	0	0	0	0	114

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

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Limerick Nuclear Station

Period of Record: January - March 2005
 Stability Class - Extremely Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
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	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	0	0	0	0	0	0

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

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: January - March 2005
 Stability Class - Moderately Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
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	0	0	0	0	0	0	0
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	0	1	0	0	0	1

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: January - March 2005
 Stability Class - Slightly Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	1	0	0	0	0	1
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	1	0	1
SW	0	0	3	1	0	0	4
WSW	0	0	2	1	0	0	3
W	0	0	2	5	6	1	14
WNW	0	0	0	3	0	0	3
NW	0	0	0	1	0	0	1
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	2	7	11	7	1	28

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: January - March 2005
 Stability Class - Neutral - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	11	33	49	3	0	0	96
NNE	3	24	21	0	0	0	48
NE	10	51	24	3	0	0	88
ENE	7	41	49	5	1	0	103
E	9	22	36	9	0	0	76
ESE	4	6	6	11	0	0	27
SE	2	2	6	0	0	0	10
SSE	0	7	7	0	0	0	14
S	2	5	19	0	1	0	27
SSW	2	4	7	1	2	0	16
SW	2	12	9	3	4	0	30
WSW	2	9	24	10	3	0	48
W	8	21	45	51	16	7	148
WNW	8	28	56	93	66	12	263
NW	1	21	66	52	24	8	172
NNW	9	22	54	33	5	0	123
Variable	0	0	0	0	0	0	0
Total	80	308	478	274	122	27	1289

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 10
 Hours of missing stability measurements in all stability classes: 0

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Limerick Nuclear Station

Period of Record: January - March 2005
 Stability Class - Slightly Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	9	17	2	0	0	28
NNE	4	13	7	4	0	0	28
NE	8	17	7	1	0	0	33
ENE	5	13	10	1	0	0	29
E	1	14	21	1	0	0	37
ESE	2	5	2	4	0	0	13
SE	3	5	3	1	0	0	12
SSE	2	5	10	10	0	0	27
S	1	6	10	8	2	2	29
SSW	0	8	6	6	0	0	20
SW	1	10	3	0	0	0	14
WSW	1	12	8	2	0	0	23
W	6	14	40	10	0	0	70
WNW	4	30	65	11	1	0	111
NW	3	13	22	6	4	0	48
NNW	2	8	9	1	0	0	20
Variable	0	0	0	0	0	0	0
Total	43	182	240	68	7	2	542

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 9
 Hours of missing stability measurements in all stability classes: 0

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Limerick Nuclear Station

Period of Record: January - March 2005
 Stability Class - Moderately Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	5	1	0	0	0	7
NNE	2	3	0	0	0	0	5
NE	2	7	1	0	0	0	10
ENE	1	1	0	0	0	0	2
E	3	0	3	0	0	0	6
ESE	4	3	0	0	0	0	7
SE	3	1	1	0	0	0	5
SSE	1	1	2	1	0	0	5
S	0	3	1	0	0	0	4
SSW	1	5	0	0	0	0	6
SW	3	0	2	0	0	0	5
WSW	5	6	1	0	0	0	12
W	1	4	7	1	0	0	13
WNW	4	9	24	2	0	0	39
NW	2	5	1	0	0	0	8
NNW	2	3	0	0	0	0	5
Variable	0	0	0	0	0	0	0
Total	35	56	44	4	0	0	139

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: 0

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Limerick Nuclear Station

Period of Record: January - March 2005
 Stability Class - Extremely Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	4	11	0	0	0	0	15
NNE	0	4	1	0	0	0	5
NE	1	1	0	0	0	0	2
ENE	0	1	0	0	0	0	1
E	1	0	1	0	0	0	2
ESE	1	0	0	0	0	0	1
SE	2	2	0	0	0	0	4
SSE	1	0	0	0	0	0	1
S	0	3	0	0	0	0	3
SSW	4	2	0	0	0	0	6
SW	3	3	0	0	0	0	6
WSW	0	5	1	0	0	0	6
W	3	11	0	0	0	0	14
WNW	2	25	5	0	0	0	32
NW	7	13	2	0	0	0	22
NNW	3	10	0	0	0	0	13
Variable	0	0	0	0	0	0	0
Total	32	91	10	0	0	0	133

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: 0

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: April - June 2005
 Stability Class - Extremely Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	2	0	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	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	6	0	0	0	0	6
SSW	0	12	4	0	0	0	16
SW	0	9	0	0	0	0	9
WSW	0	6	2	0	0	0	8
W	1	6	5	0	0	0	12
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	41	11	0	0	0	53

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

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Limerick Nuclear Station

Period of Record: April - June 2005
 Stability Class - Moderately Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	1	1	0	0	2
NNE	0	0	0	0	0	0	0
NE	0	1	0	0	0	0	1
ENE	0	2	4	0	0	0	6
E	0	2	2	0	0	0	4
ESE	0	2	2	0	0	0	4
SE	0	0	0	0	0	0	0
SSE	0	1	1	0	0	0	2
S	1	1	1	1	0	0	4
SSW	0	6	2	0	0	0	8
SW	1	9	1	1	0	0	12
WSW	1	3	3	0	0	0	7
W	0	6	3	0	0	0	9
WNW	0	1	2	0	0	0	3
NW	0	2	0	0	0	0	2
NNW	0	2	0	2	1	0	5
Variable	0	0	0	0	0	0	0
Total	3	38	22	5	1	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: 0

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: April - June 2005
 Stability Class - Slightly Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	2	1	0	0	3
NNE	0	3	6	0	0	0	9
NE	0	3	1	0	0	0	4
ENE	0	3	3	0	0	0	6
E	0	7	3	0	0	0	10
ESE	0	1	0	0	0	0	1
SE	0	1	0	0	0	0	1
SSE	0	0	0	0	0	0	0
S	0	3	5	0	0	0	8
SSW	3	10	7	0	0	0	20
SW	0	6	1	1	0	0	8
WSW	2	4	1	0	0	0	7
W	0	9	2	0	0	0	11
WNW	0	12	11	1	0	0	24
NW	0	6	12	0	0	0	18
NNW	0	7	7	0	1	0	15
Variable	0	0	0	0	0	0	0
Total	5	75	61	3	1	0	145

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: April - June 2005
 Stability Class - Neutral - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	6	23	18	5	2	0	54
NNE	7	19	13	0	0	0	39
NE	15	23	19	1	0	0	58
ENE	8	54	18	1	0	0	81
E	5	36	22	2	0	0	65
ESE	3	9	7	0	0	0	19
SE	3	11	2	3	0	0	19
SSE	5	25	8	3	0	0	41
S	7	33	18	0	0	0	58
SSW	14	50	15	0	0	0	79
SW	11	18	2	1	0	0	32
WSW	9	22	12	2	0	0	45
W	7	33	24	5	0	0	69
WNW	16	46	42	14	0	0	118
NW	8	44	45	8	0	0	105
NNW	3	20	25	6	3	0	57
Variable	0	0	0	0	0	0	0
Total	127	466	290	51	5	0	939

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: April - June 2005
 Stability Class - Slightly Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	10	9	5	0	0	0	24
NNE	12	18	0	0	0	0	30
NE	13	8	0	0	0	0	21
ENE	12	9	2	0	0	0	23
E	9	17	8	2	0	0	36
ESE	6	9	4	0	0	0	19
SE	7	12	5	3	0	0	27
SSE	6	19	4	1	0	0	30
S	12	33	5	0	0	0	50
SSW	31	27	1	0	0	0	59
SW	37	9	0	0	0	0	46
WSW	32	10	0	0	0	0	42
W	35	18	3	0	0	0	56
WNW	36	32	6	1	0	0	75
NW	22	19	7	0	0	0	48
NNW	10	10	7	2	0	0	29
Variable	0	0	0	0	0	0	0
Total	290	259	57	9	0	0	615

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: April - June 2005
 Stability Class - Moderately Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	3	0	0	0	0	0	3
NNE	2	3	1	0	0	0	6
NE	3	0	0	0	0	0	3
ENE	4	0	0	0	0	0	4
E	6	0	0	0	0	0	6
ESE	1	3	0	0	0	0	4
SE	1	4	0	0	0	0	5
SSE	0	1	0	0	0	0	1
S	4	0	0	0	0	0	4
SSW	3	0	0	0	0	0	3
SW	9	1	0	0	0	0	10
WSW	20	0	0	0	0	0	20
W	33	1	0	0	0	0	34
WNW	45	2	1	0	0	0	48
NW	25	4	1	0	0	0	30
NNW	13	3	0	0	0	0	16
Variable	0	0	0	0	0	0	0
Total	172	22	3	0	0	0	197

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: April - June 2005
 Stability Class - Extremely Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	3	0	0	0	0	0	3
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	1	0	0	0	0	0	1
ESE	2	0	0	0	0	0	2
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	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	5	0	0	0	0	0	5
W	16	0	0	0	0	0	16
WNW	16	4	0	0	0	0	20
NW	13	5	1	0	0	0	19
NNW	6	1	0	0	0	0	7
Variable	0	0	0	0	0	0	0
Total	72	10	1	0	0	0	83

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

SITE: LIMERICK GENERATING STATION -- UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: April - June 2005
 Stability Class - Extremely Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
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	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	1	6	0	0	0	7
SSW	0	1	15	4	0	0	20
SW	0	1	5	1	0	0	7
WSW	0	2	6	6	1	0	15
W	0	0	1	1	0	0	2
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	5	35	12	1	0	53

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: April - June 2005
 Stability Class - Moderately Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	1	0	1	0	2
NNE	0	1	0	0	0	0	1
NE	0	0	0	0	0	0	0
ENE	0	0	5	2	0	0	7
E	0	0	2	0	0	0	2
ESE	0	1	4	0	0	0	5
SE	0	0	0	0	0	0	0
SSE	0	0	1	1	0	0	2
S	0	2	3	1	0	0	6
SSW	0	1	5	1	0	0	7
SW	0	4	6	4	1	0	15
WSW	0	1	4	3	2	0	10
W	0	0	2	3	0	0	5
WNW	0	0	0	0	0	0	0
NW	0	2	1	0	0	0	3
NNW	0	0	1	2	1	0	4
Variable	0	0	0	0	0	0	0
Total	0	12	35	17	5	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: 2

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: April - June 2005
 Stability Class - Slightly Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	1	1	2	0	0	4
NNE	0	2	5	2	0	0	9
NE	0	3	2	0	0	0	5
ENE	0	1	4	1	0	0	6
E	0	3	4	0	0	0	7
ESE	0	1	1	0	0	0	2
SE	0	0	1	0	0	0	1
SSE	0	0	1	0	0	0	1
S	0	3	11	1	0	0	15
SSW	0	3	6	6	0	0	15
SW	1	0	3	4	0	0	8
WSW	0	2	5	3	1	0	11
W	0	4	7	11	1	0	23
WNW	0	5	7	4	0	0	16
NW	1	3	4	2	0	0	10
NNW	0	2	6	3	1	0	12
Variable	0	0	0	0	0	0	0
Total	2	33	68	39	3	0	145

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

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Limerick Nuclear Station

Period of Record: April - June 2005
 Stability Class - Neutral - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	19	21	11	4	0	56
NNE	2	16	19	5	0	0	42
NE	4	22	28	10	0	0	64
ENE	2	34	36	9	0	0	81
E	1	20	21	12	0	0	54
ESE	1	8	5	4	0	0	18
SE	2	8	7	2	3	0	22
SSE	3	15	21	6	2	0	47
S	4	21	33	9	0	0	67
SSW	4	18	36	16	4	1	79
SW	3	11	8	15	3	0	40
WSW	3	13	16	10	8	0	50
W	2	20	45	32	17	1	117
WNW	4	28	45	24	4	0	105
NW	1	16	18	8	1	0	44
NNW	1	12	18	18	4	0	53
Variable	0	0	0	0	0	0	0
Total	38	281	377	191	50	2	939

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

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Limerick Nuclear Station

Period of Record: April - June 2005
 Stability Class - Slightly Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	3	11	13	2	0	0	29
NNE	2	7	20	0	0	0	29
NE	2	8	11	0	0	0	21
ENE	4	7	7	2	0	0	20
E	5	15	14	8	0	0	42
ESE	5	11	7	3	0	0	26
SE	3	4	14	4	4	0	29
SSE	2	11	22	4	0	0	39
S	2	20	37	3	0	0	62
SSW	4	36	22	3	0	0	65
SW	5	25	15	3	0	0	48
WSW	11	14	22	2	0	0	49
W	5	11	30	4	1	0	51
WNW	3	19	33	9	0	0	64
NW	4	18	14	4	0	0	40
NNW	1	14	8	7	0	0	30
Variable	0	0	0	0	0	0	0
Total	61	231	289	58	5	0	644

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: 2

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Limerick Nuclear Station

Period of Record: April - June 2005
 Stability Class - Moderately Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	6	2	0	0	0	9
NNE	1	1	2	0	0	0	4
NE	2	1	0	0	0	0	3
ENE	1	4	0	0	0	0	5
E	1	0	1	0	0	0	2
ESE	1	3	2	0	0	0	6
SE	1	3	1	0	0	0	5
SSE	0	3	2	0	0	0	5
S	0	8	1	0	0	0	9
SSW	1	1	3	0	0	0	5
SW	3	6	3	0	0	0	12
WSW	1	14	5	0	0	0	20
W	1	29	14	0	0	0	44
WNW	1	25	38	0	0	0	64
NW	0	12	5	1	0	0	18
NNW	1	7	2	0	0	0	10
Variable	0	0	0	0	0	0	0
Total	16	123	81	1	0	0	221

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 6
 Hours of missing stability measurements in all stability classes: 2

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Limerick Nuclear Station

Period of Record: April - June 2005
 Stability Class - Extremely Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	6	2	0	0	0	8
NNE	0	0	1	0	0	0	1
NE	2	1	0	0	0	0	3
ENE	0	1	0	0	0	0	1
E	1	1	0	0	0	0	2
ESE	2	3	0	0	0	0	5
SE	1	2	0	0	0	0	3
SSE	2	2	0	0	0	0	4
S	2	2	0	0	0	0	4
SSW	2	2	0	0	0	0	4
SW	0	1	0	0	0	0	1
WSW	1	0	0	0	0	0	1
W	1	8	1	1	0	0	11
WNW	0	10	18	1	0	0	29
NW	2	10	1	2	0	0	15
NNW	0	3	1	1	0	0	5
Variable	0	0	0	0	0	0	0
Total	16	52	24	5	0	0	97

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: 2

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: July - September 2005
 Stability Class - Extremely Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	1	0	0	0	1
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	2	1	0	0	0	3
ESE	0	1	0	0	0	0	1
SE	0	1	0	0	0	0	1
SSE	0	2	0	0	0	0	2
S	1	2	0	0	0	0	3
SSW	0	8	2	0	0	0	10
SW	1	9	0	0	0	0	10
WSW	0	9	0	0	0	0	9
W	0	6	0	0	0	0	6
WNW	0	1	0	0	0	0	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	2	41	4	0	0	0	47

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: July - September 2005
 Stability Class - Moderately Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: July - September 2005
 Stability Class - Slightly Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	4	9	0	0	0	14
NNE	1	3	2	0	0	0	6
NE	2	1	0	0	0	0	3
ENE	1	3	0	0	0	0	4
E	0	3	2	0	0	0	5
ESE	0	2	2	0	0	0	4
SE	0	4	1	0	0	0	5
SSE	2	2	0	0	0	0	4
S	2	3	0	0	0	0	5
SSW	3	6	1	0	0	0	10
SW	4	6	0	0	0	0	10
WSW	3	9	0	0	0	0	12
W	2	13	0	0	0	0	15
WNW	1	15	3	1	0	0	20
NW	0	7	5	0	0	0	12
NNW	1	5	7	0	0	0	13
Variable	0	0	0	0	0	0	0
Total	23	86	32	1	0	0	142

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: July - September 2005
 Stability Class - Neutral - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	16	24	12	0	0	0	52
NNE	22	15	4	0	0	0	41
NE	19	14	2	0	0	0	35
ENE	15	21	2	0	0	0	38
E	24	33	6	0	0	0	63
ESE	10	32	5	0	0	0	47
SE	7	32	2	0	0	0	41
SSE	18	7	3	0	0	0	28
S	8	25	9	0	0	0	42
SSW	14	18	15	0	0	0	47
SW	15	20	1	0	0	0	36
WSW	15	18	0	0	0	0	33
W	17	17	2	0	0	0	36
WNW	19	36	6	0	0	0	61
NW	16	64	51	6	0	0	137
NNW	10	15	24	2	0	0	51
Variable	0	0	0	0	0	0	0
Total	245	391	144	8	0	0	788

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

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Limerick Nuclear Station

Period of Record: July - September 2005
 Stability Class - Slightly Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	17	8	1	0	0	0	26
NNE	24	7	3	0	0	0	34
NE	21	6	0	0	0	0	27
ENE	32	3	0	0	0	0	35
E	28	20	1	0	0	0	49
ESE	20	7	0	0	0	0	27
SE	10	7	0	0	0	0	17
SSE	16	12	1	0	0	0	29
S	16	42	4	0	0	0	62
SSW	27	25	2	0	0	0	54
SW	39	6	0	0	0	0	45
WSW	34	2	0	0	0	0	36
W	45	11	0	0	0	0	56
WNW	44	20	0	0	0	0	64
NW	37	35	4	0	0	0	76
NNW	17	10	2	1	0	0	30
Variable	0	0	0	0	0	0	0
Total	427	221	18	1	0	0	667

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: July - September 2005
 Stability Class - Moderately Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	13	0	0	0	0	0	13
NNE	4	4	0	0	0	0	8
NE	4	3	0	0	0	0	7
ENE	6	0	0	0	0	0	6
E	6	0	0	0	0	0	6
ESE	5	1	0	0	0	0	6
SE	3	0	0	0	0	0	3
SSE	2	1	0	0	0	0	3
S	2	0	0	0	0	0	2
SSW	10	1	0	0	0	0	11
SW	15	0	0	0	0	0	15
WSW	21	0	0	0	0	0	21
W	27	0	0	1	0	0	28
WNW	51	6	0	0	0	0	57
NW	36	2	0	0	0	0	38
NNW	13	0	0	0	0	0	13
Variable	0	0	0	0	0	0	0
Total	218	18	0	1	0	0	237

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

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Limerick Nuclear Station

Period of Record: July - September 2005
 Stability Class - Extremely Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	9	0	0	0	0	0	9
NNE	5	0	0	0	0	0	5
NE	7	0	0	0	0	0	7
ENE	3	1	0	0	0	0	4
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	0	0	0	0	0	1
SW	1	0	0	0	0	0	1
WSW	10	0	0	0	0	0	10
W	26	0	0	0	0	0	26
WNW	31	0	0	0	0	0	31
NW	30	0	0	0	0	0	30
NNW	10	0	0	0	0	0	10
Variable	0	0	0	0	0	0	0
Total	133	1	0	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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: July - September 2005
 Stability Class - Extremely Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	1	0	0	0	1
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	3	0	0	0	3
ESE	0	0	1	0	0	0	1
SE	0	0	1	0	0	0	1
SSE	0	0	3	0	0	0	3
S	0	2	4	1	0	0	7
SSW	0	1	6	1	0	0	8
SW	0	6	7	0	0	0	13
WSW	0	1	7	0	0	0	8
W	0	0	2	0	0	0	2
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	35	2	0	0	47

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: 1

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: July - September 2005
 Stability Class - Moderately Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	1	4	0	0	0	5
NNE	0	2	0	0	0	0	2
NE	0	2	0	0	0	0	2
ENE	0	2	0	0	0	0	2
E	0	0	5	0	0	0	5
ESE	0	0	2	0	0	0	2
SE	0	1	0	1	0	0	2
SSE	0	0	1	0	0	0	1
S	1	1	2	0	0	0	4
SSW	0	6	1	2	0	0	9
SW	0	6	6	0	0	0	12
WSW	1	4	1	3	0	0	9
W	1	4	7	2	0	0	14
WNW	0	1	1	0	0	0	2
NW	0	2	4	0	0	0	6
NNW	0	0	1	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	3	32	35	8	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: 1

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: July - September 2005
 Stability Class - Slightly Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	8	4	0	0	0	12
NNE	1	0	2	0	0	0	3
NE	0	4	0	0	0	0	4
ENE	0	1	2	0	0	0	3
E	0	0	4	0	0	0	4
ESE	0	1	3	0	0	0	4
SE	0	2	2	1	0	0	5
SSE	0	1	1	0	0	0	2
S	1	4	5	1	0	0	11
SSW	0	6	2	1	0	0	9
SW	3	6	6	1	0	0	16
WSW	0	7	6	2	0	0	15
W	0	11	4	0	1	0	16
WNW	0	1	9	3	0	0	13
NW	1	2	5	0	0	0	8
NNW	0	1	12	4	0	0	17
Variable	0	0	0	0	0	0	0
Total	6	55	67	13	1	0	142

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: 1

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: July - September 2005
 Stability Class - Neutral - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	19	15	17	3	0	0	54
NNE	16	13	9	2	0	0	40
NE	8	29	6	0	0	0	43
ENE	7	22	6	0	0	0	35
E	7	19	27	1	0	0	54
ESE	4	12	26	6	0	0	48
SE	3	12	17	5	0	0	37
SSE	4	16	8	4	0	0	32
S	7	19	18	4	5	0	53
SSW	7	21	10	9	2	0	49
SW	4	20	10	1	1	0	36
WSW	9	7	15	3	0	0	34
W	6	21	24	5	0	0	56
WNW	5	39	36	15	4	0	99
NW	6	14	39	13	1	0	73
NNW	5	9	17	1	0	0	32
Variable	0	0	0	0	0	0	0
Total	117	288	285	72	13	0	775

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 21
 Hours of missing stability measurements in all stability classes: 1

SITE: LIMERICK GENERATING STATION, - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: July - September 2005
 Stability Class - Slightly Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	8	8	6	0	0	0	22
NNE	13	15	5	0	0	0	33
NE	16	14	3	0	0	0	33
ENE	16	15	2	0	0	0	33
E	14	15	14	1	0	0	44
ESE	8	11	7	0	0	0	26
SE	3	10	3	1	0	0	17
SSE	5	14	17	3	0	0	39
S	2	14	47	6	1	0	70
SSW	2	39	24	4	0	0	69
SW	6	18	11	0	0	0	35
WSW	5	15	14	2	0	0	36
W	5	31	21	1	0	0	58
WNW	8	39	24	2	0	0	73
NW	12	14	14	2	0	0	42
NNW	12	12	9	1	0	0	34
Variable	0	0	0	0	0	0	0
Total	135	284	221	23	1	0	664

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 24
 Hours of missing stability measurements in all stability classes: 1

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: July - September 2005
 Stability Class - Moderately Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	3	10	7	0	0	0	20
NNE	3	4	2	1	0	0	10
NE	4	1	0	0	0	0	5
ENE	2	6	0	0	0	0	8
E	0	1	1	0	0	0	2
ESE	2	2	3	0	0	0	7
SE	1	0	0	0	0	0	1
SSE	4	1	0	0	0	0	5
S	1	5	4	0	0	0	10
SSW	1	6	9	0	0	0	16
SW	2	8	3	0	0	0	13
WSW	5	11	2	0	0	0	18
W	5	26	9	0	0	0	40
WNW	5	54	21	1	0	0	81
NW	7	12	2	0	0	0	21
NNW	4	14	1	0	0	0	19
Variable	0	0	0	0	0	0	0
Total	49	161	64	2	0	0	276

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: 1

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: July - September 2005
 Stability Class - Extremely Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	2	5	2	0	0	0	9
NNE	2	2	0	0	0	0	4
NE	2	1	0	0	0	0	3
ENE	2	2	1	0	0	0	5
E	2	0	0	0	0	0	2
ESE	2	0	0	0	0	0	2
SE	0	0	0	0	0	0	0
SSE	0	2	0	0	0	0	2
S	2	2	0	0	0	0	4
SSW	0	3	1	0	0	0	4
SW	2	0	1	0	0	0	3
WSW	3	5	0	0	0	0	8
W	4	30	9	0	0	0	43
WNW	9	35	19	0	0	0	63
NW	2	8	1	0	0	0	11
NNW	2	7	0	0	0	0	9
Variable	0	0	0	0	0	0	0
Total	36	102	34	0	0	0	172

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: 1

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: October - December 2005
 Stability Class - Extremely Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
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	0	0	0	0	0	0	0
SW	0	1	0	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	0	0	0	0	1

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

SITE: LIMERICK GENERATING STATION -- UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: October - December 2005
 Stability Class - Moderately Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
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	1	0	0	0	0	1
SSE	0	0	0	0	0	0	0
S	0	1	0	0	0	0	1
SSW	0	2	2	0	0	0	4
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	4	3	0	0	0	7

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: October - December 2005
 Stability Class - Slightly Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
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	0	0	0	0	1
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	1	3	1	0	0	0	5
SSW	0	2	1	0	0	0	3
SW	0	0	3	0	0	0	3
WSW	0	1	0	0	0	0	1
W	0	0	0	0	0	0	0
WNW	1	0	1	0	0	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	2	8	6	0	0	0	16

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: October - December 2005
 Stability Class - Neutral - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	15	42	11	0	0	0	68
NNE	13	25	7	0	0	0	45
NE	15	34	2	0	0	0	51
ENE	12	36	9	0	0	0	57
E	8	20	7	0	0	0	35
ESE	8	17	4	0	0	0	29
SE	6	7	2	0	0	0	15
SSE	4	8	5	5	0	0	22
S	3	11	18	5	0	0	37
SSW	2	15	4	2	0	0	23
SW	5	10	6	0	0	0	21
WSW	1	18	1	1	0	0	21
W	7	27	32	15	0	0	81
WNW	8	37	98	18	0	0	161
NW	8	58	104	125	14	1	310
NNW	9	26	22	0	0	0	57
Variable	0	0	0	0	0	0	0
Total	124	391	332	171	14	1	1033

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: October - December 2005
 Stability Class - Slightly Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	12	5	1	0	0	0	18
NNE	14	15	0	0	0	0	29
NE	9	15	0	0	0	0	24
ENE	16	11	2	0	0	0	29
E	14	6	4	1	0	0	25
ESE	8	6	11	0	0	0	25
SE	9	8	9	2	1	0	29
SSE	15	11	5	4	0	0	35
S	12	21	4	1	0	0	38
SSW	5	38	5	0	0	0	48
SW	23	13	1	0	0	0	37
WSW	29	17	0	0	0	0	46
W	20	52	2	0	0	0	74
WNW	45	67	24	2	0	0	138
NW	22	40	32	7	0	0	101
NNW	17	8	1	0	0	0	26
Variable	0	0	0	0	0	0	0
Total	270	333	101	17	1	0	722

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: October - December 2005
 Stability Class - Moderately Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	7	0	0	0	0	0	7
NNE	2	0	0	0	0	0	2
NE	3	1	0	0	0	0	4
ENE	4	2	0	0	0	0	6
E	10	0	1	0	0	0	11
ESE	11	2	0	0	0	0	13
SE	3	2	0	0	0	0	5
SSE	2	1	0	0	0	0	3
S	3	0	0	0	0	0	3
SSW	10	3	0	0	0	0	13
SW	10	2	0	0	0	0	12
WSW	12	0	0	0	0	0	12
W	24	4	0	0	0	0	28
WNW	22	3	0	0	0	0	25
NW	17	2	1	0	0	0	20
NNW	5	1	0	0	0	0	6
Variable	0	0	0	0	0	0	0
Total	145	23	2	0	0	0	170

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: October - December 2005
 Stability Class - Extremely Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	8	0	0	0	0	0	8
NNE	5	0	0	0	0	0	5
NE	4	0	0	0	0	0	4
ENE	6	0	0	0	0	0	6
E	2	0	0	0	0	0	2
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	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	3	0	0	0	0	0	3
WSW	3	0	0	0	0	0	3
W	16	1	0	0	0	0	17
WNW	12	0	0	0	0	0	12
NW	12	0	0	0	0	0	12
NNW	10	0	0	0	0	0	10
Variable	0	0	0	0	0	0	0
Total	83	1	0	0	0	0	84

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

SITE: LIMERICK GENERATING STATION -- UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: October - December 2005
 Stability Class - Extremely Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
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	0	1	0	0	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	1	0	0	0	0	1

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
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Limerick Nuclear Station

Period of Record: October - December 2005
 Stability Class - Moderately Unstable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
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	1	0	0	0	0	1
SSE	0	0	0	0	0	0	0
S	0	1	0	0	0	0	1
SSW	0	1	1	2	1	0	5
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	1	2	1	0	7

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

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: October - December 2005
 Stability Class - Slightly Unstable - - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
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	1	0	0	0	0	1
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	1	6	0	0	0	7
SSW	0	0	1	2	0	0	3
SW	0	0	1	1	0	0	2
WSW	0	0	0	0	0	0	0
W	0	0	0	1	0	0	1
WNW	0	0	0	0	0	0	0
NW	1	0	0	0	0	0	1
NNW	0	1	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	1	3	8	4	0	0	16

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

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: October - December 2005
 Stability Class - Neutral - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	7	30	25	10	0	0	72
NNE	7	25	17	4	0	0	53
NE	6	20	15	4	0	0	45
ENE	4	24	23	1	0	0	52
E	4	13	13	0	0	0	30
ESE	3	5	11	3	0	0	22
SE	2	10	5	2	0	0	19
SSE	4	6	6	8	1	4	29
S	1	8	10	17	3	0	39
SSW	3	4	8	5	4	1	25
SW	1	6	9	1	3	0	20
WSW	5	4	18	7	0	0	34
W	4	10	32	59	17	7	129
WNW	2	18	71	121	59	13	284
NW	6	12	34	38	25	5	120
NNW	5	11	36	11	0	0	63
Variable	0	0	0	0	0	0	0
Total	64	206	333	291	112	30	1036

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: 2

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: October - December 2005
 Stability Class - Slightly Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	5	5	10	1	0	0	21
NNE	4	9	15	0	0	0	28
NE	4	16	6	1	0	0	27
ENE	4	11	5	0	0	0	20
E	8	5	8	5	0	0	26
ESE	8	9	5	4	0	0	26
SE	7	7	5	16	1	0	36
SSE	5	14	15	4	4	2	44
S	0	14	25	4	1	0	44
SSW	2	19	30	7	1	0	59
SW	4	14	17	1	1	0	37
WSW	2	10	18	4	0	0	34
W	3	22	50	23	1	0	99
WNW	3	36	73	38	6	1	157
NW	4	21	22	6	0	0	53
NNW	5	9	13	0	0	0	27
Variable	0	0	0	0	0	0	0
Total	68	221	317	114	15	3	738

Hours of calm in this stability class: 1
 Hours of missing wind measurements in this stability class: 9
 Hours of missing stability measurements in all stability classes: 2

SITE: LIMERICK GENERATING STATION - UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: October - December 2005
 Stability Class - Moderately Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	5	3	0	0	0	0	8
NNE	1	2	0	0	0	0	3
NE	5	8	0	0	0	0	13
ENE	4	4	1	0	0	0	9
E	6	2	0	1	0	0	9
ESE	5	1	0	0	0	0	6
SE	2	3	0	0	0	0	5
SSE	4	6	1	0	0	0	11
S	3	9	3	0	0	0	15
SSW	1	1	1	1	0	0	4
SW	3	10	5	0	0	0	18
WSW	2	14	7	0	0	0	23
W	3	10	7	2	0	0	22
WNW	2	19	15	2	0	0	38
NW	7	6	8	0	0	0	21
NNW	4	4	0	0	0	0	8
Variable	0	0	0	0	0	0	0
Total	57	102	48	6	0	0	213

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 14
 Hours of missing stability measurements in all stability classes: 2

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station

Period of Record: October - December 2005
 Stability Class - Extremely Stable - 266Ft-26Ft Delta-T (F)
 Winds Measured at 175 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	0	0	0	0	0	1
NNE	4	1	3	0	0	0	8
NE	0	2	0	0	0	0	2
ENE	2	2	0	0	0	0	4
E	3	2	2	0	0	0	7
ESE	3	4	0	0	0	0	7
SE	2	4	0	0	0	0	6
SSE	0	5	1	0	0	0	6
S	4	3	0	0	0	0	7
SSW	5	4	2	0	0	0	11
SW	3	6	4	0	0	0	13
WSW	5	6	1	0	0	0	12
W	12	11	2	0	0	0	25
WNW	11	13	4	0	0	1	29
NW	3	3	0	0	0	0	6
NNW	5	1	0	0	0	0	6
Variable	0	0	0	0	0	0	0
Total	63	67	19	0	0	1	150

Hours of calm in this stability class: 1
 Hours of missing wind measurements in this stability class: 16
 Hours of missing stability measurements in all stability classes: 2

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

Limerick Nuclear Station
 30 ft. Wind Speed and Direction

January-March, 2005
 266Ft-26Ft Delta-T (F)

Number of Observations = 2063
 Values are Percent Occurrence

SPEED CLASS	WIND DIRECTION CLASSES																TOTAL	STABILITY CLASSES						TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		EU	MU	SU	N	SS	MS	
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
L SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
																								0.00
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
- N	0.73	0.68	0.92	1.16	0.78	0.29	0.10	0.00	0.19	0.19	0.39	0.19	0.68	0.82	0.53	0.73	8.39		8.39					
3 SS	0.34	0.58	0.92	1.16	0.73	0.29	0.19	0.10	0.39	0.44	0.68	0.48	1.26	1.11	0.73	0.53	9.94		9.94					
MS	0.29	0.24	0.29	0.39	0.29	0.19	0.05	0.00	0.05	0.19	0.05	0.58	0.82	0.53	0.48	0.34	4.80		4.80					
ES	0.24	0.15	0.24	0.15	0.10	0.00	0.00	0.00	0.05	0.00	0.15	0.15	0.92	1.65	0.87	0.82	5.48		5.48					
																								28.60
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.05		0.05					
4 SU	0.00	0.05	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.05	0.10	0.10	0.00	0.00	0.00	0.34		0.34					
- N	2.57	1.36	2.42	3.30	1.70	0.34	0.39	0.44	0.87	0.44	0.73	0.73	2.23	2.91	3.01	2.86	26.27		26.27					
7 SS	0.73	0.44	0.44	0.78	0.73	0.19	0.19	0.44	0.34	0.34	0.05	0.39	1.60	3.59	1.16	0.63	12.02		12.02					
MS	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.00	0.15	0.05	0.10	0.29	0.39	0.19	0.00	1.26		1.26					
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.05		0.05					
																								39.99
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8 SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.10	0.00	0.34	0.10	0.00	0.58		0.58					
- N	0.34	0.10	0.34	1.11	1.07	0.68	0.00	0.05	0.05	0.10	0.10	0.34	1.89	4.02	5.77	2.23	18.18		18.18					
1 SS	0.00	0.00	0.10	0.00	0.19	0.15	0.05	0.44	0.39	0.15	0.00	0.00	0.15	0.44	0.58	0.15	2.76		2.76					
2 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10		0.10					
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00					
																								21.62
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.10	0.00	0.44		0.44					
- N	0.00	0.00	0.00	0.15	0.00	0.05	0.00	0.00	0.00	0.10	0.00	0.00	0.15	1.99	5.09	0.58	8.10		8.10					
1 SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.05	0.19	0.00	0.39		0.39					
8 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00					
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00					
																								3.52

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
LICENSEE: EXELON GENERATION COMPANY, LLC

Appendix E
Corrections to Previous Submittals

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
LICENSEE: EXELON GENERATION COMPANY, LLC

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SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
 LICENSEE: EXELON GENERATION COMPANY, LLC

An error in reporting the average release rate for fission and activation gas was discovered for the first quarter of 2004. The original result reported was 1.99E+00 uCi/sec. The correct value should have been 2.28E+00 uCi/sec. The error was the result of duplicate data from a two-week period of time in the first quarter being entered into the effluent tracking software. This duplicate data came from the backup particulate and iodine skid samples. That error resulted in 14 additional days being added to the total number of days in the quarter, resulting in 104 days for the quarter. The corrected Table 1 is reproduce below. The error is highlighted with a revision bar at the right margin. This error had no material impact on the assessment and conclusions drawn from the radiological releases from Limerick. Releases from Limerick continue to be a small fraction of the ODCM limits.

TABLE 1 GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

PERIOD 2004

A. FISSION AND ACTIVATION GASSES

	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Est. Total Error %
1. Total Release	Ci	1.80E+01	1.20E+01	5.91E+00	1.23E+01	3.66E+01
2. Average Release Rate for Period	uCi/sec	2.28E+00	1.53E+00	7.51E-01	1.55E+00	
3. Percent of ODCM Limit - Gamma	%	2.90E-01	1.86E-01	6.02E-02	1.22E-01	
- Beta		8.75E-02	5.50E-02	1.87E-04	3.79E-02	

B. IODINES

	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Est. Total Error %
1. Total – I-131	Ci	1.16E-04	7.99E-05	< LLD	< LLD	2.04E+01
2. Average Release Rate for Period	uCi/sec	1.28E-05	1.02E-05	< LLD	< LLD	
3. Percent of Limit	%	*	*	*	*	

C. PARTICULATES

	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Est. Total Error %
1. Particulates with T 1/2 > 8 days	Ci	2.39E-05	1.55E-06	3.42E-05	< LLD	2.26E+01
2. Average Release Rate for Period	uCi/sec	2.64E-06	1.98E-07	4.34E-06	< LLD	
3. Percent of ODCM Limit	%	*	*	*	*	
4. Gross Alpha	Ci	< LLD	< LLD	< LLD	< LLD	

D. TRITIUM

	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Est. Total Error %
1. Total Release	Ci	1.65E+00	4.54E+00	< LLD	< LLD	1.57E+01
2. Average Release Rate for Period	uCi/sec	1.82E-01	5.79E-01	< LLD	< LLD	
3. Percent of ODCM Limit	%	*	*	*	*	

E. Iodine 131 & 133, Tritium & Particulate

	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
1. Percent of ODCM Limit	%	3.67E-02	7.93E-02	4.15E-05	< LLD

* ODCM Limit is for combined Iodine, tritium and particulate only, which is shown in Item E.

SITE: LIMERICK GENERATING STATION – UNITS 1 & 2
LICENSEE: EXELON GENERATION COMPANY, LLC

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