

Exelon Generation Company, LLC  
LaSalle County Station  
2601 North 21<sup>st</sup> Road  
Marseilles, IL 61341-9757

www.exeloncorp.com

RA05-33

10 CFR 50.36a

April 29, 2005

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

LaSalle County Station, Units 1 and 2  
Facility Operating License Nos. NPF-11 and NPF-18  
NRC Docket Nos. 50-373 and 50-374

Subject: 2004 Annual Radioactive Effluent Release Report

Enclosed is the Exelon Generation Company, LLC, LaSalle County Station 2004 Annual Radioactive Effluent Release Report, submitted in accordance with 10 CFR 50.36a, "Technical specifications on effluents from nuclear power reactors," paragraph (a)(2) and Technical Specification 5.6.3, "Radioactive Effluent Release Report."

Should you have any questions concerning this letter, please contact Mr. Terrence Simpkin, Regulatory Assurance Manager, at (815) 415-2800.

Respectfully,



Susan R. Landahl  
Site Vice President  
LaSalle County Station

Attachment

cc: Regional Administrator - NRC Region III  
NRC Senior Resident Inspector - LaSalle County Station

IE48

# EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)

## Supplemental Information

### 1. Regulatory Limits

#### a. Gaseous Effluents

- 1) The air dose due to noble gases released in gaseous effluents, from each reactor unit, from the site shall be limited to the following:
  - a) During any calendar quarter: Less than or equal to 5 mrad for gamma radiation and less than or equal to 10 mrad for beta radiation, and
  - b) During any calendar year: Less than or equal to 10 mrad for gamma radiation and less than or equal to 20 mrad for beta radiation.
- 2) The dose to an individual from radioiodines and radioactive materials in particulate form, and radionuclides, other than noble gases, with half-lives greater than eight days in gaseous effluents released, from each reactor unit, from the site shall be limited to the following:
- 3)
  - a) During any calendar quarter: Less than or equal to 7.5 mRems to any organ, and
  - b) During any calendar year: Less than or equal to 15 mRems to any organ.

#### b. Liquid Effluents

- 1) The dose or dose commitment to an individual from radioactive materials in liquid effluents released, from each reactor unit, from the site shall be limited:
  - a) During any calendar quarter: Less than or equal to 1.5 mRem to the total body and to less than or equal to 5 mRem to any organ, and
  - b) During any calendar year: Less than or equal to 3 mRem to the total body and to less than or equal to 10 mRem to any organ.

#### c. Total Dose -

- 1) The dose or dose commitment to any member of the public, due to releases or radioactivity and radiation, from uranium fuel cycle sources shall be limited to less than or equal to 25 mRem to the body or any organ (except the thyroid, which shall be limited to less than or equal to 75 mRem) over 12 consecutive months.

# EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)

## Supplemental Information (continued)

### 2. Allowable Concentrations –

#### a. Gaseous Effluents

- 1) The dose rate due to radioactive materials released in gaseous effluents from the site shall be limited to the following:
  - a) For noble gases: Less than or equal to 500 mRem/year to the total body and less than or equal to 3000 mRem/year to the skin, and
  - b) For all radioiodines and for all radioactive materials in particulate form, and radionuclides, other than noble gases, with half-lives greater than eight days: Less than or equal to 1500 mRem/year to any organ via the inhalation pathway.

#### b. Liquid Effluents

- 1) The concentration of radioactive material released from the site shall be limited to ten (10) times the concentrations specified in 10 CFR Part 20, Appendix B, Table II, Column 2 for radionuclides other than dissolved or entrained noble gases. For dissolved or entrained noble gases, the concentration shall be limited to the following:

<u>Nuclide</u>	<u>DWC (µci/ml)</u>
Kr-85m	2.00E-04
Kr-85	5.00E-04
Kr-87	4.00E-05
Kr-88	9.00E-05
Ar-41	7.00E-05
Xe-131m	7.00E-04
Xe-133m	5.00E-04
Xe-133	6.00E-04
Xe-135m	2.00E-04
Xe-135	2.00E-04

### 3. Average Energy

Not applicable - average energy is no longer used to determine dose to the public.

### 4. Measurements and Approximations of Total Radioactivity

#### a. Gaseous Effluents

- 1) Containment Vent and Purge System is sampled by grab sample which is analyzed for principal gamma emitters and H-3.
- 2) Main Vent Stack is sampled by grab sample, which is analyzed for principal gamma emitters and H-3.
- 3) Standby Gas Treatment System is sampled by grab sample, which is analyzed for principal gamma emitters.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)

Supplemental Information (continued)

- 4) All release types as listed in 1 and 2 above, at the vent stack and as listed in 3 above, at the Standby Gas Treatment System whenever there is flow, are continuously sampled by charcoal cartridge and particulate filter paper, which are analyzed for iodines and principal gamma emitters. Particulate filter papers are composited and analyzed for gross alpha, Sr-89 and Sr-90. Noble gases, gross beta and gamma are continuously monitored by noble gas monitors for the vent stack and the standby gas treatment system.

b. Liquid Effluents

- 1) Batch waste release tanks are sampled each batch for principal gamma emitters, I-131, dissolved and entrained noble gases, H-3, gross alpha, Sr-89, Sr-90 and Fe-55.
- 2) Continuous releases are sampled continuously in proportion to the rate of flow of the effluent stream and by grab sample. Samples are analyzed for principal gamma emitters, I-131, dissolved and entrained noble gases, H-3, gross alpha, Sr-89, Sr-90 and Fe-55.

5. Batch Releases

a. Gaseous

- |    |  |      |
|----|--|------|
| 1) | Number of batch releases:                | None |
| 2) | Total time period for batch releases:    | N/A  |
| 3) | Maximum time period for a batch release: | N/A  |
| 4) | Average time period for batch releases:  | N/A  |
| 5) | Minimum time period for a batch release: | N/A  |

b. Liquid

- |    |  |      |
|----|--|------|
| 1) | Number of batch releases:  | None |
| 2) | Total time period for batch releases: Min.   | N/A  |
| 3) | Maximum time period for a batch release: Min.  | N/A  |
| 4) | Average time period for batch releases: Min.   | N/A  |
| 5) | Minimum time period for a batch release: Min.  | N/A  |
| 6) | Average stream flow during periods of release of effluent into a flowing stream: gpm | N/A  |

# EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)

## Supplemental Information (continued)

### 6. Abnormal Releases

#### a. Gaseous

- |    |                          |      |
|----|--------------------------|------|
| 1) | Number of releases:      | None |
| 2) | Total activity released: | N/A  |

#### b. Liquid

- |    |                          |      |
|----|--------------------------|------|
| 1) | Number of releases:      | None |
| 2) | Total activity released: | N/A  |

### 7. Process Control Program

There were no changes to the Process Control Program during this time period.

### 8. Effluent Monitoring Instrumentation timeclocks and sample anomalies.

#### Time clocks:

There were no effluent monitoring time clocks exceeded in 2004

#### Sample anomalies:

During refueling outage L1R10, I-131 was detected, at levels slightly above LLD, via analysis of the Waste Water Treatment Facility effluent composite sample. This anomalous sample result was entered into the Station Corrective Action Program as AR#195907 and is discussed in this section, as this sample is not required by the ODCM program. Rather, the WWTF sample is obtained and analyzed daily when the facility is in operation and serves as a trending tool. The Cooling Pond Blowdown to the Illinois River is monitored via composite sampling and serves as the means for determining dose to the public. Detection of activity at the WWTF prompts in-plant "clean sump" sampling to identify and correct the source. In this case the source of I-131 activity were traced back to the Unit One fire sump, a "clean" sump. Efforts to identify inputs into the fire sump as a source were unsuccessful. A review of medical records was also inconclusive, as some records did not specify an isotope. As a conservative measure a dose calculation was performed since the WWTF discharges to the LaSalle Cooling Lake. Utilizing the activity levels measured and the gallon throughput of the WWTF for the period, a total activity of 1.9 uCi's of I-131 resulted in a calculated resultant maximum total body dose of 5.484 E-10 mRem (child) and Internal organ dose of 3.69E-10 mRem (infant thyroid). Again, this calculation was performed as a conservative measure. It should be noted that the LaSalle Cooling Lake does not serve as a drinking water supply and was closed to public access during the period in question (1/13/04 – 1/15/04). No positive activity was identified throughout the reporting period in ODCM required Pond Blowdown composite samples. LaSalle Cooling Lake REMP samples were reviewed following the occurrence and found to reveal no adverse affects.

### 9. Offsite Dose Calculation Manual Revisions.

No revisions were made to the LaSalle ODCM during the reporting period

**LASALLE COUNTY NUCLEAR POWER STATION**  
**EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)**  
**UNITS ONE AND TWO**  
**DOCKET NUMBERS 50-373 AND 50-374**  
**GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES**

Units	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Estimated Total Error %
-------	---------	---------	---------	---------	----------------------------

**A. Fission and Activation Gas Releases**

1. Total Release Activity	Ci	3.45E+03	2.85E+03	2.36E+03	2.63E+03	3.50E+01
2. Average Release Rate	uCi/sec	4.39E+02	3.62E+02	2.97E+02	3.31E+02	
3. Percent of Technical Specification Limit	%	*	*	*	*	

**B. Iodine Releases**

1. Total I-131 Activity	Ci	3.64E-01	2.68E-01	2.62E-01	2.83E-01	3.50E+01
2. Average Release Rate	uCi/sec	4.63E-02	3.41E-02	3.30E-02	3.56E-02	
3. Percent of Technical Specification Limit	%	*	*	*	*	

**C. Particulate (> 8 day half-life) Releases**

1. Gross Activity	Ci	8.13E-03	6.48E-03	8.36E-03	9.21E-03	3.30E+01
2. Average Release Rate	uCi/sec	1.03E-03	8.24E-04	1.05E-03	1.16E-03	
3. Percent of Technical Specification Limit	%	*	*	*	*	
3. Gross Alpha Activity	Ci	<1.00E-11	<1.00E-11	<1.00E-11	<1.00E-11	

**D. Tritium Releases**

1. Total Release Activity	Ci	8.15E+00	3.28E+01	1.29E+01	2.43E+01	2.10E+01
2. Average Release Rate	uCi/sec	1.04E+00	4.17E+00	1.62E+00	3.06E+00	
3. Percent of Technical Specification Limit	%	*	*	*	*	

\*\*\* This information is contained in the Radiological Impact on Man section of the report.

< Indicates activity of sample is less than LLD given in uCi/ml

LASALLE COUNTY NUCLEAR POWER STATION  
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)  
 GASEOUS EFFLUENTS-ELEVATED RELEASE  
 Unit 1 and Unit 2 Continuous Mode

Units	1 <sup>st</sup> Qtr	2nd Qtr	3 <sup>rd</sup> Qtr	4th Qtr
-------	---------------------	---------	---------------------	---------

**1. Fission and Activation Gas Releases**

Ar-41	Ci	1.97E-04	<1.00e-4	<1.00e-4	<1.00e-4
Kr-85	Ci	<1.00e-4	<1.00e-4	<1.00e-4	<1.00e-4
Kr-85m	Ci	5.29E+02	7.27E+02	6.10E+02	6.64E+02
Kr-87	Ci	1.42E+02	2.16E+02	1.44E+02	1.75E+02
Kr-88	Ci	8.58E+02	1.19E+03	9.60E+02	1.04E+03
Xe-131m	Ci	<1.00e-4	<1.00e-4	<1.00e-4	<1.00e-4
Xe-133	Ci	8.71E+02	6.40E+02	5.62E+02	6.07E+02
Xe-133m	Ci	<1.00e-4	<1.00e-4	<1.00e-4	<1.00e-4
Xe-135	Ci	7.22E+02	2.27E+01	2.65E+01	2.84E+01
Xe-135m	Ci	3.17E+02	5.66E+01	5.53E+01	5.48E+01
Xe-138	Ci	1.58E+01	<1.00e-4	<1.00e-4	6.00E+01
<b>TOTAL</b>	<b>Ci</b>	<b>3.45E+03</b>	<b>2.85E+03</b>	<b>2.36E+03</b>	<b>2.63E+03</b>

**2. Iodine Releases**

I-131	Ci	8.90E-02	3.88E-02	3.72E-02	3.73E-02
I-132	Ci	2.98E-02	4.47E-02	3.61E-02	4.04E-02
I-133	Ci	1.42E-01	9.51E-02	9.59E-02	1.06E-01
I-134	Ci	<1.00e-11	<1.00e-11	<1.00e-11	<1.00e-11
I-135	Ci	1.03E-01	8.89E-02	9.28E-02	9.92E-02
<b>TOTAL IODINE</b>	<b>Ci</b>	<b>3.64E-01</b>	<b>2.68E-01</b>	<b>2.62E-01</b>	<b>2.83E-01</b>
<b>TOTAL I-131, I-133, I-135</b>	<b>Ci</b>	<b>3.34E-01</b>	<b>2.23E-01</b>	<b>2.26E-01</b>	<b>2.43E-01</b>

**3. Particulate (> 8 day half-life) Releases**

Cr-51	Ci	<1.00e-11	<1.00e-11	<1.00e-11	<1.00e-11
Mn-54	Ci	<1.00e-11	<1.00e-11	2.27E-05	<1.00e-11
Co-57	Ci	<1.00e-11	<1.00e-11	<1.00e-11	<1.00e-11
Fe-55	Ci	<1.00e-11	<1.00e-11	<1.00e-11	<1.00e-11
Co-58	Ci	<1.00e-11	<1.00e-11	<1.00e-11	<1.00e-11
Fe-59	Ci	<1.00e-11	<1.00e-11	<1.00e-11	<1.00e-11
Co-60	Ci	2.91E-04	7.70E-05	2.70E-04	2.15E-04
Zn-65	Ci	<1.00e-11	<1.00e-11	<1.00e-11	<1.00e-11
Sr-89	Ci	2.99E-03	2.86E-03	3.70E-03	4.36E-03
Sr-90	Ci	<1.00e-11	<1.00e-11	<1.00e-11	<1.00e-11
Zr-95	Ci	<1.00e-11	<1.00e-11	<1.00e-11	<1.00e-11
Mo-99	Ci	<1.00e-11	<1.00e-11	<1.00e-11	<1.00e-11
Ru-103	Ci	<1.00e-11	<1.00e-11	<1.00e-11	<1.00e-11
Sn-117m	Ci	<1.00e-11	<1.00e-11	<1.00e-11	<1.00e-11
Cs-134	Ci	<1.00e-11	<1.00e-11	<1.00e-11	<1.00e-11
Cs-137	Ci	<1.00e-11	<1.00e-11	<1.00e-11	1.61E-05
Ba/La-140	Ci	4.64E-03	3.54E-03	4.37E-03	4.62E-03
Ce-141	Ci	2.04E-04	<1.00e-11	<1.00e-11	<1.00e-11
Ce-144	Ci	<1.00e-11	<1.00e-11	<1.00e-11	<1.00e-11
<b>TOTAL PARTICULATES</b>	<b>Ci</b>	<b>8.13E-03</b>	<b>6.48E-03</b>	<b>8.36E-03</b>	<b>9.21E-03</b>

**4. Tritium Releases**

1. Total Release Activity	Ci	8.15E+00	3.28E+01	1.29E+01	2.43E+01
---------------------------	----	----------	----------	----------	----------

"<" Indicates activity of sample is less than LLD given in uCi/ml

**LASALLE COUNTY NUCLEAR POWER STATION**  
**EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)**  
**LIQUID RELEASES**  
**UNIT 1 and UNIT 2**  
**SUMMATION OF ALL LIQUID RELEASES**

Units	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Estimated Total Error %
-------	---------	---------	---------	---------	----------------------------

**A. Fission and Activation Products**

1. Total Activity Released	Ci	<LLD	<LLD	<LLD	<LLD	N/A
2. Average Concentration Released	uCi/ml	<LLD	<LLD	<LLD	<LLD	
3. Percent of Applicable Limit	%	*	*	*	*	

**B. Tritium**

1. Total Activity Released	Ci	<LLD	<LLD	<LLD	<LLD	N/A
2. Average Concentration Released	uCi/ml	<LLD	<LLD	<LLD	<LLD	
3. Percent of Applicable Limit	%	*	*	*	*	

**C. Dissolved Noble Gases**

1. Total Activity Released	Ci	<LLD	<LLD	<LLD	<LLD	N/A
2. Average Concentration Released	uCi/ml	<LLD	<LLD	<LLD	<LLD	
3. Percent of Applicable Limit	%	*	*	*	*	

**D. Gross Alpha**

1. Total Activity Released (estimate)	Ci	<LLD	<LLD	<LLD	<LLD	N/A
2. Average Concentration Released	uCi/ml	<LLD	<LLD	<LLD	<LLD	
3. Percent of Applicable Limit	%	*	*	*	*	

<b>E. Volume of Liquid Waste to Discharge</b>	liters	0.00E+00	0.00E+00	0.00E+00	0.00E+00	N/A
---	--------	----------	----------	----------	----------	-----

<b>F. Volume of Dilution Water</b>	liters	0.00E+00	0.00E+00	0.00E+00	0.00E+00	N/A
------------------------------------	--------	----------	----------	----------	----------	-----

\*\*\* This information is contained in the Radiological Impact on Man section of the report.

"<" Indicates activity of sample is less than LLD given in uCi/ml

LASALLE COUNTY NUCLEAR POWER STATION  
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)  
 LIQUID RELEASES  
 UNIT 1 and UNIT 2  
 BATCH MODE

Nuclides From Batch Releases	Units	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
H-3	Ci	<LLD	<LLD	<LLD	<LLD
Cr-51	Ci	<LLD	<LLD	<LLD	<LLD
Mn-54	Ci	<LLD	<LLD	<LLD	<LLD
Fe-55	Ci	<LLD	<LLD	<LLD	<LLD
Co-58	Ci	<LLD	<LLD	<LLD	<LLD
Fe-59	Ci	<LLD	<LLD	<LLD	<LLD
Co-60	Ci	<LLD	<LLD	<LLD	<LLD
Zn-65	Ci	<LLD	<LLD	<LLD	<LLD
Sr-89	Ci	<LLD	<LLD	<LLD	<LLD
Sr-90	Ci	<LLD	<LLD	<LLD	<LLD
Nb-95	Ci	<LLD	<LLD	<LLD	<LLD
Zr-95	Ci	<LLD	<LLD	<LLD	<LLD
Mo-99	Ci	<LLD	<LLD	<LLD	<LLD
Tc-99m	Ci	<LLD	<LLD	<LLD	<LLD
Ag-110m	Ci	<LLD	<LLD	<LLD	<LLD
Sb-122	Ci	<LLD	<LLD	<LLD	<LLD
Sb-124	Ci	<LLD	<LLD	<LLD	<LLD
I-131	Ci	<LLD	<LLD	<LLD	<LLD
Cs-134	Ci	<LLD	<LLD	<LLD	<LLD
Cs-137	Ci	<LLD	<LLD	<LLD	<LLD
Ba\La-140	Ci	<LLD	<LLD	<LLD	<LLD
Ce-141	Ci	<LLD	<LLD	<LLD	<LLD
Ce-144	Ci	<LLD	<LLD	<LLD	<LLD
W-187	Ci	<LLD	<LLD	<LLD	<LLD
TOTAL	Ci	None	None	None	None

Xe-131m	Ci	<LLD	<LLD	<LLD	<LLD
Xe-133	Ci	<LLD	<LLD	<LLD	<LLD
Xe-133m	Ci	<LLD	<LLD	<LLD	<LLD
Xe-135	Ci	<LLD	<LLD	<LLD	<LLD
Xe-135m	Ci	<LLD	<LLD	<LLD	<LLD
TOTAL	Ci	None	None	None	None

"<" Indicates activity of sample is less than LLD given in uCi/ml

LASALLE COUNTY NUCLEAR POWER STATION  
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)  
 LIQUID RELEASES  
 UNIT 1 and UNIT 2  
 CONTINUOUS MODE

Nuclides From Continuous Releases	Units	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
Gross Alpha	Ci	<1.00E-07	<1.00E-07	<1.00E-07	<1.00E-07
H-3	Ci	<1.00E-05	<1.00E-05	<1.00E-05	<1.00E-05
Cr-51	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
Mn-54	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
Fe-55	Ci	<1.00E-06	<1.00E-06	<1.00E-06	<1.00E-06
Co-58	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
Fe-59	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
Co-60	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
Zn-65	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
Sr-89	Ci	<5.00E-08	<5.00E-08	<5.00E-08	<5.00E-08
Sr-90	Ci	<5.00E-08	<5.00E-08	<5.00E-08	<5.00E-08
Nb-95	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
Zr-95	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
Mo-99	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
Tc-99m	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
Ag-110m	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
Sb-122	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
Sb-124	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
I-131	Ci	<1.00E-06	<1.00E-06	<1.00E-06	<1.00E-06
Cs-134	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
Cs-137	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
Ba\La-140	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
Ce-141	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
Ce-144	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
W-187	Ci	<5.00E-07	<5.00E-07	<5.00E-07	<5.00E-07
TOTAL	Ci	<LLD	<LLD	<LLD	<LLD

Xe-131m	Ci	<1.00E-05	<1.00E-05	<1.00E-05	<1.00E-05
Xe-133	Ci	<1.00E-05	<1.00E-05	<1.00E-05	<1.00E-05
Xe-133m	Ci	<1.00E-05	<1.00E-05	<1.00E-05	<1.00E-05
Xe-135	Ci	<1.00E-05	<1.00E-05	<1.00E-05	<1.00E-05
Xe-135m	Ci	<1.00E-05	<1.00E-05	<1.00E-05	<1.00E-05
TOTAL	Ci	<LLD	<LLD	<LLD	<LLD

"<" Indicates activity of sample is less than LLD given in uCi/ml

# EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)

## SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)  
 SOLID WASTE AND IRRADIATED FUEL SHIPMENTS  
 FIRST QUARTER

A. SOLID WASTE SHIPPED OFFSITE FOR BURIAL OR DISPOSAL

1. Spent resins, filter sludges,  
 evaporator bottoms, etc.

a.	Quantity shipped cu.m.		0.00E+00
b.	Total activity	Ci	0.00E+00
c.	Major nuclides (estimate %)		N/A
d.	Shipment type		N/A

2. Dry compressible waste,  
 contaminated equipment, etc.

a.	Quantity shipped cu.m.		4.35E+02
b.	Total activity	Ci	1.50E-01
c.	Major nuclides (estimate %)		
	Mn-54		1.13E+01
	Fe-55		1.36E+01
	Co-60		4.55E+01
	Ni-63		2.08E+01
	Zn-65		6.89E+00
d.	Shipment type		LSA

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)  
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS  
FIRST QUARTER

3. Other

a.	Quantity shipped cu.m.		7.25E+01
b.	Total activity Ci		2.36E-02
c.	Major nuclides (estimate %)		
	Mn-54	1.15E+01	
	Fe-55	1.37E+01	
	Co-60	4.53E+01	
	Ni-63	2.06E+01	
	Zn-65	7.02E+00	
d.	Shipment type		LSA

4. Irradiated Components

a.	Quantity shipped cu.m		0.00E+00
b.	Total activity Ci		0.00E+00
c.	Major nuclides (estimate %)		N/A
d.	Number of shipments		0
e.	Mode of Transportation		N/A
f.	Destination		N/A

5. Solid Waste Disposition

	<u>Number of Shipments</u>	<u>Transportation Mode</u>	<u>Destination</u>
	6	Truck	ALARON Corporation
	2	Truck	Duratek-Bear Creek
<b>TOTAL THIS QUARTER</b>	<b>8</b>		

Estimated total error % for spent resins, filter sludges, evaporator bottoms, etc. (Jan-Dec) 2.50E+01

Estimated total error % for dry compressible waste, contaminated equipment, etc. (Jan-Dec) 2.50E+01

Estimated total error % for irradiated components (Jan-Dec) N/A

B. IRRADIATED FUEL SHIPMENTS

None

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)  
 SOLID WASTE AND IRRADIATED FUEL SHIPMENTS  
 SECOND QUARTER

A. SOLID WASTE SHIPPED OFFSITE FOR BURIAL OR DISPOSAL

1. Spent resins, filter sludges, evaporator bottoms, etc.
  - a. Quantity shipped cu.m. 7.44E+01
  - b. Total activity Ci 4.35E+01
  - c. Major nuclides (estimate %)
 

C-14	1.76E+01
Mn-54	1.10E+01
Fe-55	1.79E+01
Co-60	4.88E+01
Cs-137	1.31E+00
  - d. Shipment type LSA
  - e. Solidification agent None
  
2. Dry compressible waste, contaminated equipment, etc.
  - a. Quantity shipped cu.m. 2.23E+02
  - b. Total activity Ci 6.60E-01
  - c. Major nuclides (estimate %)
 

Mn-54	9.40E+00
Fe-55	1.37E+01
Co-60	4.76E+01
Ni-63	2.28E+01
Zn-65	5.28E+00
  - d. Shipment type LSA

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)  
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS  
SECOND QUARTER

3. Other

a.	Quantity shipped cu.m.	3.79E+01
b.	Total activity Ci	2.29E+04
c.	Major nuclides (estimate %)	
	Mn-54	2.04E+00
	Fe-55	4.65E+01
	Co-60	4.68E+01
	Ni-63	3.78E+00
d.	Shipment type	LSA, Type B

4. Irradiated Components

a.	Quantity shipped cu.m	0.00E+00
b.	Total activity Ci	0.00E+00
c.	Major nuclides (estimate %)	N/A
d.	Number of shipments	N/A
e.	Mode of Transportation	N/A
f.	Destination	N/A

5. Solid Waste Disposition

	<u>Number of Shipments</u>	<u>Transportation Mode</u>	<u>Destination</u>
	1	Truck	Barnwell waste Management Facility
	8	Truck	Duratek-Bear Creek, TN
	10	Truck	Envirocare of Utah
<b>TOTAL THIS QUARTER</b>	<b>19</b>		

Estimated total error % for spent resins, filter sludges, evaporator bottoms, etc. (Jan-Dec) 2.50E+01

Estimated total error % for dry compressible waste, contaminated equipment, etc. (Jan-Dec) 2.50E+01

Estimated total error % for irradiated components (Jan-Dec) N/A

B. IRRADIATED FUEL SHIPMENTS

None

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)  
 SOLID WASTE AND IRRADIATED FUEL SHIPMENTS  
 THIRD QUARTER

A. SOLID WASTE SHIPPED OFFSITE FOR BURIAL OR DISPOSAL

1.	Spent resins, filter sludges, evaporator bottoms, etc.		
a.	Quantity shipped	cu.m.	2.99E+01
b.	Total activity	Ci	1.63E+01
c.	Major nuclides (estimate %)		
	C-14	2.39E+01	
	Mn-54	1.01E+01	
	Fe-55	2.22E+01	
	Co-60	4.14E+01	
d.	Shipment type		LSA
e.	Solidification agent		N/A
2.	Dry compressible waste, contaminated equipment, etc.		
a.	Quantity shipped	cu.m.	3.41E+00
b.	Total activity	Ci	5.72E+01
c.	Major nuclides (estimate %)		
	Mn-54	3.77E+00	
	Fe-55	2.30E+01	
	Co-60	5.71E+01	
	Zn-65	1.38E+01	
d.	Shipment type		LSA

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)  
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS  
THIRD QUARTER

3. Other

a.	Quantity shipped	cu.m.	2.72E+01
b.	Total activity Ci		7.84E+04
c.	Major nuclides (estimate %)		
	Mn-54	1.75E+00	
	Fe-55	3.87E+01	
	Co-60	5.59E+01	
	Ni-63	3.08E+00	
d.	Shipment type		LSA, Type B

4. Irradiated Components

a.	Number of shipments	0
b.	Mode of Transportation	N/A
c.	Destination	N/A

5. Solid Waste Disposition

	Number of Shipments	Transportation Mode	Destination
	6	Truck	Barnwell Waste Management Facility
	5	Truck	Duratek-Bear Creek, TN
	4	Truck	Envirocare of Utah
<b>TOTAL THIS QUARTER</b>	<b>15</b>		

Estimated total error % for spent resins, filter sludges, evaporator bottoms, etc. (Jan-Dec) 2.50E+01

Estimated total error % for dry compressible waste, contaminated equipment, etc. (Jan-Dec) 2.50E+01

Estimated total error % for irradiated components (Jan-Dec) N/A

**B. IRRADIATED FUEL SHIPMENTS**

None

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)  
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS  
FOURTH QUARTER

A. SOLID WASTE SHIPPED OFFSITE FOR BURIAL OR DISPOSAL

1. Spent resins, filter sludges,  
evaporator bottoms, etc.

a.	Quantity shipped	cu.m.	5.05E+01
b.	Total activity	Ci	3.59E+01
c.	Major nuclides (estimate %)		

C-14	6.61E+00
Fe-55	8.99E+00
Co-60	2.51E+01
Cs-134	1.76E+01
Cs-137	3.59E+01

d. Shipment type LSA, Limited Quantity

e. Solidification agent None

2. Dry compressible waste,  
contaminated equipment, etc.

a.	Quantity shipped	cu.m.	5.86E+02
b.	Total activity	Ci	1.26E+00
c.	Major nuclides (estimate %)		

H-3	9.69E+00
Mn-54	1.88E+01
Fe-55	1.73E+01
Co-60	4.97E+01
Ni-63	2.10E+00

d. Shipment type LSA

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)  
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS  
FOURTH QUARTER

3. Other
- a. Quantity shipped cu.m. 1.91E+02
  - b. Total activity Ci 4.11E-02
  - c. Major nuclides (estimate %)
    - Mn-54 1.60E+01
    - Fe-55 4.57E+01
    - Co-60 1.87E+01
    - Cs-137 2.38E+00
    - Ce-144 1.52E+01
  - d. Shipment type LSA

4. Irradiated Components
- a. Number of shipments 0
  - b. Mode of Transportation N/A
  - c. Destination N/A

5. Solid Waste Disposition

	<u>Number of Shipments</u>	<u>Transportation Mode</u>	<u>Destination</u>
	10	Truck	ALARON Corporation
	2	Truck	Barnwell Waste Management Facility
	5	Truck	Duratek-Bear Creek, TN
	1	Truck	Duratek-Gallaher Rd
	8	Truck	Envirocare of Utah
<b>TOTAL THIS QUARTER</b>	<b>26</b>		

Estimated total error % for spent resins, filter sludges, evaporator bottoms, etc. (Jan-Dec) 2.50E+01

Estimated total error % for dry compressible waste, contaminated equipment, etc. (Jan-Dec) 2.50E+01

Estimated total error % for other irradiated components (Jan-Dec) N/A

B. IRRADIATED FUEL SHIPMENTS

None

**EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)**

**RADIOLOGICAL IMPACT ON MAN  
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE  
STATUS**

\*\*\*\*\*  
\* DELIVER TO CHEMISTRY \*  
\*\*\*\*\*

AIRBORNE Effluents- 10CFR50 Listing

06-mar-2005 02:23:55

STATION: LASALLE STATION  
UNIT: 1  
PERIOD: 01/01/04 12/31/04  
NAME: ODCMLAS  
REPORT: ANNUAL  
MODE: ACTUAL

LASALLE STATION UNIT ONE

ACTUAL 2004

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 01/01/04 TO 12/31/04 CALCULATED 03/06/05

INFANT RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR (MRAD)	4.44E-02 (WSW )	5.54E-02 (WSW )	4.43E-02 (WSW )	4.96E-02 (WSW )	1.94E-01 (WSW )
BETA AIR (MRAD)	1.94E-03 (ESE )	1.92E-03 (ESE )	1.51E-03 (ESE )	1.73E-03 (ESE )	7.10E-03 (ESE )
TOT. BODY (MREM)	3.35E-02 (WSW )	4.19E-02 (WSW )	3.35E-02 (WSW )	3.75E-02 (WSW )	1.46E-01 (WSW )
SKIN (MREM)	3.56E-02 (WSW )	4.42E-02 (WSW )	3.53E-02 (WSW )	3.95E-02 (WSW )	1.55E-01 (WSW )
ORGAN (MREM)	1.65E-03 (ESE )	6.89E-02 (ESE )	9.17E-02 (ESE )	3.08E-02 (ESE )	1.93E-01 (ESE )

THYROID THYROID THYROID THYROID THYROID

THIS IS A REPORT FOR THE CALENDAR YEAR 2004

COMPLIANCE STATUS - 10CFR 50 APP. I

INFANT RECEPTOR

----- % OF APP I. -----

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
GAMMA AIR (MRAD)	5.0	0.89	1.11	0.89	0.99	10.0	1.94
BETA AIR (MRAD)	10.0	0.02	0.02	0.02	0.02	20.0	0.04
TOT. BODY (MREM)	2.5	1.34	1.68	1.34	1.50	5.0	2.93
SKIN (MREM)	7.5	0.47	0.59	0.47	0.53	15.0	1.03
ORGAN (MREM)	7.5	0.02	0.92	1.22	0.41	15.0	1.29

THYROID THYROID THYROID THYROID THYROID

RESULTS BASED UPON: ODCM ANNEX REVISION 3.0 MAY 2001  
 ODCM SOFTWARE VERSION 1.1 January 1995  
 ODCM DATABASE VERSION 1.1 January 1995

LASALLE STATION UNIT ONE

ACTUAL 2004

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 01/01/04 TO 12/31/04 CALCULATED 03/06/05

CHILD RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR (MRAD)	4.44E-02 (WSW )	5.54E-02 (WSW )	4.43E-02 (WSW )	4.96E-02 (WSW )	1.94E-01 (WSW )
BETA AIR (MRAD)	1.94E-03 (ESE )	1.92E-03 (ESE )	1.51E-03 (ESE )	1.73E-03 (ESE )	7.10E-03 (ESE )
TOT. BODY (MREM)	3.35E-02 (WSW )	4.19E-02 (WSW )	3.35E-02 (WSW )	3.75E-02 (WSW )	1.46E-01 (WSW )
SKIN (MREM)	3.56E-02 (WSW )	4.42E-02 (WSW )	3.53E-02 (WSW )	3.95E-02 (WSW )	1.55E-01 (WSW )
ORGAN (MREM)	1.42E-03 (ESE )	7.83E-02 (NNE )	9.57E-02 (ESE )	3.45E-02 (NNE )	2.10E-01 (ESE )

THIS IS A REPORT FOR THE CALENDAR YEAR 2004

COMPLIANCE STATUS - 10CFR 50 APP. I  
CHILD RECEPTOR

----- % OF APP I. -----

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
GAMMA AIR (MRAD)	5.0	0.89	1.11	0.89	0.99	10.0	1.94
BETA AIR (MRAD)	10.0	0.02	0.02	0.02	0.02	20.0	0.04
TOT. BODY (MREM)	2.5	1.34	1.68	1.34	1.50	5.0	2.93
SKIN (MREM)	7.5	0.47	0.59	0.47	0.53	15.0	1.03
ORGAN (MREM)	7.5	0.02	1.04	1.28	0.46	15.0	1.40

THYROID THYROID THYROID THYROID THYROID

RESULTS BASED UPON: ODCM ANNEX REVISION 3.0 MAY 2001  
ODCM SOFTWARE VERSION 1.1 January 1995  
ODCM DATABASE VERSION 1.1 January 1995

LASALLE STATION UNIT ONE

ACTUAL 2004

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 01/01/04 TO 12/31/04 CALCULATED 03/06/05

TEENAGER RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR (MRAD)	4.44E-02 (WSW )	5.54E-02 (WSW )	4.43E-02 (WSW )	4.96E-02 (WSW )	1.94E-01 (WSW )
BETA AIR (MRAD)	1.94E-03 (ESE )	1.92E-03 (ESE )	1.51E-03 (ESE )	1.73E-03 (ESE )	7.10E-03 (ESE )
TOT. BODY (MREM)	3.35E-02 (WSW )	4.19E-02 (WSW )	3.35E-02 (WSW )	3.75E-02 (WSW )	1.46E-01 (WSW )
SKIN (MREM)	3.56E-02 (WSW )	4.42E-02 (WSW )	3.53E-02 (WSW )	3.95E-02 (WSW )	1.55E-01 (WSW )
ORGAN (MREM)	1.14E-03 (NNE )	4.83E-02 (NNE )	5.80E-02 (NNE )	2.14E-02 (NNE )	1.29E-01 (NNE )

THYROID THYROID THYROID THYROID THYROID  
THIS IS A REPORT FOR THE CALENDAR YEAR 2004

COMPLIANCE STATUS - 10CFR 50 APP. I  
TEENAGER RECEPTOR

----- % OF APP I. -----

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
GAMMA AIR (MRAD)	5.0	0.89	1.11	0.89	0.99	10.0	1.94
BETA AIR (MRAD)	10.0	0.02	0.02	0.02	0.02	20.0	0.04
TOT. BODY (MREM)	2.5	1.34	1.68	1.34	1.50	5.0	2.93
SKIN (MREM)	7.5	0.47	0.59	0.47	0.53	15.0	1.03
ORGAN (MREM)	7.5	0.02	0.64	0.77	0.29	15.0	0.86

THYROID THYROID THYROID THYROID THYROID

RESULTS BASED UPON: ODCM ANNEX REVISION 3.0 MAY 2001  
ODCM SOFTWARE VERSION 1.1 January 1995  
ODCM DATABASE VERSION 1.1 January 1995

LASALLE STATION UNIT ONE

ACTUAL 2004

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 01/01/04 TO 12/31/04 CALCULATED 03/06/05

ADULT RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR (MRAD)	4.44E-02 (WSW )	5.54E-02 (WSW )	4.43E-02 (WSW )	4.96E-02 (WSW )	1.94E-01 (WSW )
BETA AIR (MRAD)	1.94E-03 (ESE )	1.92E-03 (ESE )	1.51E-03 (ESE )	1.73E-03 (ESE )	7.10E-03 (ESE )
TOT. BODY (MREM)	3.35E-02 (WSW )	4.19E-02 (WSW )	3.35E-02 (WSW )	3.75E-02 (WSW )	1.46E-01 (WSW )
SKIN (MREM)	3.56E-02 (WSW )	4.42E-02 (WSW )	3.53E-02 (WSW )	3.95E-02 (WSW )	1.55E-01 (WSW )
ORGAN (MREM)	1.11E-03 (NNE )	4.93E-02 (NNE )	6.01E-02 (NNE )	2.20E-02 (NNE )	1.33E-01 (NNE )

THIS IS A REPORT FOR THE CALENDAR YEAR 2004

COMPLIANCE STATUS - 10CFR 50 APP. I  
ADULT RECEPTOR

----- % OF APP I. -----

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
GAMMA AIR (MRAD)	5.0	0.89	1.11	0.89	0.99	10.0	1.94
BETA AIR (MRAD)	10.0	0.02	0.02	0.02	0.02	20.0	0.04
TOT. BODY (MREM)	2.5	1.34	1.68	1.34	1.50	5.0	2.93
SKIN (MREM)	7.5	0.47	0.59	0.47	0.53	15.0	1.03
ORGAN (MREM)	7.5	0.01	0.66	0.80	0.29	15.0	0.88

THYROID THYROID THYROID THYROID THYROID

RESULTS BASED UPON: ODCM ANNEX REVISION 3.0 MAY 2001  
ODCM SOFTWARE VERSION 1.1 January 1995  
ODCM DATABASE VERSION 1.1 January 1995

\*\*\*\*\*  
\* DELIVER TO CHEMISTRY \*  
\*\*\*\*\*

AQUATIC Effluents- 10CFR50 Listing

03-jan-2005 15:13:42

STATION: LASALLE STATION  
UNIT: 1  
PERIOD: 01/01/04 12/31/04  
NAME: ODCMLAS  
REPORT: ANNUAL  
MODE: ACTUAL

LASALLE STATION UNIT ONE

ACTUAL 2004

MAXIMUM DOSES (MREM) RESULTING FROM AQUATIC EFFLUENTS  
 PERIOD OF RELEASE - 01/01/04 TO 12/31/04 CALCULATED 01/03/05  
 INFANT RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY INTERNAL ORGAN	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

THIS IS A REPORT FOR THE CALENDAR YEAR 2004

COMPLIANCE STATUS - 10 CFR 50 APP. I

----- % OF APP I. -----

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.00	0.00	0.00	0.00	3.0	0.00
CRIT. ORGAN (MREM)	5.0	0.00	0.00	0.00	0.00	10.0	0.00

RESULTS BASED UPON: ODCM ANNEX REVISION 3.0 MAY 2001  
 ODCM SOFTWARE VERSION 1.1 January 1995  
 ODCM DATABASE VERSION 1.1 January 1995

LASALLE STATION UNIT ONE

2004 ANNUAL REPORT

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM \*  
 PERIOD OF RELEASE - 01/01/04 TO 12/31/04 CALCULATED 01/03/05  
 INFANT RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY INTERNAL ORGAN	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

THIS IS A REPORT FOR THE CALENDAR YEAR 2004

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL BODY INTERNAL ORGAN	4.0 MREM	0.000

\* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE  
 COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER  
 FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON: ODCM ANNEX REVISION 3.0 MAY 2001  
 ODCM SOFTWARE VERSION 1.1 January 1995  
 ODCM DATABASE VERSION 1.1 January 1995

LASALLE STATION UNIT ONE

ACTUAL 2004  
 MAXIMUM DOSES (MREM) RESULTING FROM AQUATIC EFFLUENTS  
 PERIOD OF RELEASE - 01/01/04 TO 12/31/04 CALCULATED 01/03/05  
 CHILD RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY INTERNAL ORGAN	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

THIS IS A REPORT FOR THE CALENDAR YEAR 2004

COMPLIANCE STATUS - 10 CFR 50 APP. I

	----- % OF APP I. -----						
	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.00	0.00	0.00	0.00	3.0	0.00
CRIT. ORGAN (MREM)	5.0	0.00	0.00	0.00	0.00	10.0	0.00

RESULTS BASED UPON: ODCM ANNEX REVISION 3.0 MAY 2001  
 ODCM SOFTWARE VERSION 1.1 January 1995  
 ODCM DATABASE VERSION 1.1 January 1995

LASALLE STATION UNIT ONE

2004 ANNUAL REPORT

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM \*  
 PERIOD OF RELEASE - 01/01/04 TO 12/31/04 CALCULATED 01/03/05  
 CHILD RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY INTERNAL ORGAN	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

THIS IS A REPORT FOR THE CALENDAR YEAR 2004

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL BODY INTERNAL ORGAN	4.0 MREM	0.000

\* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE  
 COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER  
 FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON: ODCM ANNEX REVISION 3.0 MAY 2001  
 ODCM SOFTWARE VERSION 1.1 January 1995  
 ODCM DATABASE VERSION 1.1 January 1995

LASALLE STATION UNIT ONE

ACTUAL 2004

MAXIMUM DOSES (MREM) RESULTING FROM AQUATIC EFFLUENTS  
 PERIOD OF RELEASE - 01/01/04 TO 12/31/04 CALCULATED 01/03/05  
 TEENAGER RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY INTERNAL ORGAN	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

THIS IS A REPORT FOR THE CALENDAR YEAR 2004

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	----- % OF APP I. -----				YRLY OBJ	% OF APP. I
		1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC		
TOTAL BODY (MREM)	1.5	0.00	0.00	0.00	0.00	3.0	0.00
CRIT. ORGAN (MREM)	5.0	0.00	0.00	0.00	0.00	10.0	0.00

RESULTS BASED UPON: ODCM ANNEX REVISION 3.0 MAY 2001  
 ODCM SOFTWARE VERSION 1.1 January 1995  
 ODCM DATABASE VERSION 1.1 January 1995

LASALLE STATION UNIT ONE

2004 ANNUAL REPORT

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM \*  
 PERIOD OF RELEASE - 01/01/04 TO 12/31/04 CALCULATED 01/03/05  
 TEENAGER RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY INTERNAL ORGAN	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

THIS IS A REPORT FOR THE CALENDAR YEAR 2004

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL BODY INTERNAL ORGAN	4.0 MREM	0.000

\* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE  
 COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER  
 FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON: ODCM ANNEX REVISION 3.0 MAY 2001  
 ODCM SOFTWARE VERSION 1.1 January 1995  
 ODCM DATABASE VERSION 1.1 January 1995

LASALLE STATION UNIT ONE

ACTUAL 2004

MAXIMUM DOSES (MREM) RESULTING FROM AQUATIC EFFLUENTS  
 PERIOD OF RELEASE - 01/01/04 TO 12/31/04 CALCULATED 01/03/05  
 ADULT RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY INTERNAL ORGAN	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

THIS IS A REPORT FOR THE CALENDAR YEAR 2004

COMPLIANCE STATUS - 10 CFR 50 APP. I

----- % OF APP I. -----

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.00	0.00	0.00	0.00	3.0	0.00
CRIT. ORGAN (MREM)	5.0	0.00	0.00	0.00	0.00	10.0	0.00

RESULTS BASED UPON: ODCM ANNEX REVISION 3.0 MAY 2001  
 ODCM SOFTWARE VERSION 1.1 January 1995  
 ODCM DATABASE VERSION 1.1 January 1995

LASALLE STATION UNIT ONE

2004 ANNUAL REPORT

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM \*  
 PERIOD OF RELEASE - 01/01/04 TO 12/31/04 CALCULATED 01/03/05  
 ADULT RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY INTERNAL ORGAN	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	THYROID				THYROID

THIS IS A REPORT FOR THE CALENDAR YEAR 2004

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL BODY INTERNAL ORGAN	4.0 MREM	0.000
	4.0 MREM	0.000

\* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON: ODCM ANNEX REVISION 3.0 MAY 2001  
 ODCM SOFTWARE VERSION 1.1 January 1995  
 ODCM DATABASE VERSION 1.1 January 1995

\*\*\*\*\*  
\* DELIVER TO CHEMISTRY \*  
\*\*\*\*\*

06-mar-2005 02:29:06

Total Effective Dose Equivalent - 10CFR20 Listing

STATION: LASALLE STATION  
UNIT: 1  
PERIOD: 01/01/04 12/31/04  
NAME: ODCMLAS  
REPORT: ANNUAL  
MODE: ACTUAL

For ADULT dose calculations, the included pathways are:

INHALATION  
MILK  
PRODUCE  
VEGETABLES  
MEAT  
GROUND DEPOSITION  
FISH  
WATER  
SKYSHINE  
WHOLE BODY

Airborne Effluents are complete from 01/01/04 to 12/31/04  
Aquatic Effluents are complete from 01/01/04 to 12/31/04  
Skyshine entries are complete from 01/01/04 to 12/31/04

LASALLE STATION UNIT ONE

10 CFR 20 COMPLIANCE ASSESSMENT

PERIOD OF ASSESSMENT 01/01/04 TO 12/31/04

CALCULATED 03/06/05

1. 10 CFR 20.1301 (a)(1) Compliance

Total Effective Dose Equivalent, mrem/yr	4.85E-01
10 CFR 20.1301 (a)(1) limit mrem/yr	100.0
% of limit	0.49

Compliance Summary - 10CFR20

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	% of Limit
TEDE	9.20E-02	1.36E-01	1.26E-01	1.31E-01	0.49

RESULTS BASED UPON: ODCM ANNEX REVISION 3.0 MAY 2001  
ODCM SOFTWARE VERSION 1.1 January 1995  
ODCM DATABASE VERSION 1.1 January 1995

LASALLE STATION UNIT ONE

10 CFR 20 COMPLIANCE ASSESSMENT

PERIOD OF ASSESSMENT 01/01/04 TO 12/31/04

CALCULATED 03/06/05

2. 10 CFR 20.1301 (d)/40 CFR 190 Compliance

		Dose (mrem)	Limit (mrem)	% of Limit
Whole Body (DDE)	Plume	1.46E-01		
	Skyshine	3.24E-01		
	Ground	8.99E-04		
	Total	4.71E-01	25.0	1.89
Organ Dose (CDE)	Thyroid	1.19E-01	75.0	0.16
	Gonads	1.07E-02	25.0	0.04
	Breast	1.07E-02	25.0	0.04
	Lung	1.07E-02	25.0	0.04
	Marrow	1.08E-02	25.0	0.04
	Bone	1.08E-02	25.0	0.04
	Remainder	1.10E-02	25.0	0.04
	CEDE	1.40E-02		
	TEDE	4.85E-01	100.0	0.49

RESULTS BASED UPON: ODCM ANNEX REVISION 3.0 MAY 2001  
 ODCM SOFTWARE VERSION 1.1 January 1995  
 ODCM DATABASE VERSION 1.1 January 1995

\*\*\*\*\*  
\* DELIVER TO CHEMISTRY \*  
\*\*\*\*\*

06-mar-2005 02:30:18

Total Effective Dose Equivalent - 10CFR20 Listing

STATION: LASALLE STATION  
UNIT: 2  
PERIOD: 01/01/04 12/31/04  
NAME: ODCMLAS  
REPORT: ANNUAL  
MODE: ACTUAL

For ADULT dose calculations, the included pathways are:

INHALATION  
MILK  
PRODUCE  
VEGETABLES  
MEAT  
GROUND DEPOSITION  
FISH  
WATER  
SKYSHINE  
WHOLE BODY

Airborne Effluents are complete from                    to  
Aquatic Effluents are complete from                   to  
Skyshine entries are complete from 01/01/04 to 12/31/04

LASALLE STATION UNIT TWO

10 CFR 20 COMPLIANCE ASSESSMENT

PERIOD OF ASSESSMENT 01/01/04 TO 12/31/04

CALCULATED 03/06/05

1. 10 CFR 20.1301 (a) (1) Compliance

Total Effective Dose Equivalent, mrem/yr		<u>3.53E-01</u>
10 CFR 20.1301 (a) (1) limit	mrem/yr	<u>100.0</u>
	% of limit	<u>0.35</u>

Compliance Summary - 10CFR20

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	% of Limit
TEDE	8.91E-02	8.60E-02	8.81E-02	8.94E-02	0.35

RESULTS BASED UPON: ODCM ANNEX REVISION 3.0 MAY 2001  
ODCM SOFTWARE VERSION 1.1 January 1995  
ODCM DATABASE VERSION 1.1 January 1995

LASALLE STATION UNIT TWO

10 CFR 20 COMPLIANCE ASSESSMENT

PERIOD OF ASSESSMENT 01/01/04 TO 12/31/04

CALCULATED 03/06/05

2. 10 CFR 20.1301 (d)/40 CFR 190 Compliance

		Dose (mrem)	Limit (mrem)	% of Limit
Whole Body (DDE)	Plume	0.00E+00		
	Skyshine	3.53E-01		
	Ground	0.00E+00		
	Total	3.53E-01	25.0	1.41
Organ Dose (CDE)	Thyroid	0.00E+00	75.0	0.00
	Gonads	0.00E+00	25.0	0.00
	Breast	0.00E+00	25.0	0.00
	Lung	0.00E+00	25.0	0.00
	Marrow	0.00E+00	25.0	0.00
	Bone	0.00E+00	25.0	0.00
	Remainder	0.00E+00	25.0	0.00
	CEDE	0.00E+00		
	TEDE	3.53E-01	100.0	0.35

RESULTS BASED UPON: ODCM ANNEX REVISION 3.0 MAY 2001  
 ODCM SOFTWARE VERSION 1.1 January 1995  
 ODCM DATABASE VERSION 1.1 January 1995

# EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2004)

## METEOROLOGICAL DATA

# MURRAY & TRETTEL, INC.

Wednesday, February 2<sup>nd</sup>, 2005

Mr. Mike Martin  
Rad Protection  
LaSalle Station  
Exelon Nuclear  
2601 N. 21<sup>st</sup> Road  
Marseilles, IL 61341

Dear Mr. Martin:

Enclosed are copies of the LaSalle Station meteorological site quarterly joint-frequency wind rose tables for 2004. They are being sent pursuant to the Specification for Meteorological Data and Meteorological Monitoring Services & Maintenance (MET1), 3.3.2,3.3.3, METSPECS/18/15 and METSPECS/18/41, Table 2a, format of wind rose table.

At this time, we would like to request the 2004 effluent data for your nuclear plant. The effluent data is required to process the 2004 annual report on the Meteorological Monitoring Program as per Specification No. MET1 3.3.4.

In order to expedite the annual report generation, please forward the 2004 effluent data from your plant to:

Mail:  
Tom Begley  
Murray & Trettel, Inc  
600 First Bank Drive, Suite A  
Palatine, IL 60067

Fax:  
1-847-963-0003  
or

E-mail:  
[mt@weathercommand.com](mailto:mt@weathercommand.com)

If you have any questions, please contact Tom Begley @ (847) 963-9000 x 175.

Sincerely,



Tom Begley  
Exelon Nuclear Project Manager

Enclosures

600 FIREST BANK DRIVE, SUITE A • PALATINE, IL • 60067

PHONE: (847) 963-9000 • FAX: (847) 963-0003

E-MAIL: [MT@WEATHERCOMMAND.COM](mailto:MT@WEATHERCOMMAND.COM) • INTERNET: [HTTP://WWW.WEATHERCOMMAND.COM](http://WWW.WEATHERCOMMAND.COM)

*2/22/05*

LaSalle Nuclear Station

Period of Record: January - March 2004  
 Stability Class - Extremely Unstable - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 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	2	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	3	0	3
S	0	0	0	1	3	2	6
SSW	0	0	0	1	3	0	4
SW	0	0	0	0	0	0	0
WSW	0	0	0	2	4	0	6
W	0	0	0	2	2	1	5
WNW	0	0	0	12	9	4	25
NW	0	0	0	0	1	3	4
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	20	25	10	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: 0

LaSalle Nuclear Station

Period of Record: January - March 2004  
 Stability Class - Moderately Unstable - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	1	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	2	0	0	2
E	0	0	1	3	0	0	4
ESE	0	0	1	0	0	0	1
SE	0	0	1	0	0	0	1
SSE	0	0	0	1	2	0	3
S	0	0	0	1	0	0	1
SSW	0	0	1	3	0	0	4
SW	0	0	1	4	0	0	5
WSW	0	0	0	0	2	0	2
W	0	0	0	0	2	0	2
WNW	0	0	1	3	0	5	9
NW	0	0	0	3	3	1	7
NNW	0	0	0	3	0	0	3
Variable	0	0	0	0	0	0	0
Total	0	0	6	24	9	6	45

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

LaSalle Nuclear Station

Period of Record: January - March 2004  
 Stability Class - Slightly Unstable - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	4	1	0	0	5
NNE	0	0	1	0	0	0	1
NE	0	0	1	0	0	0	1
ENE	0	0	1	1	0	0	2
E	0	0	3	1	0	0	4
ESE	0	0	2	1	0	0	3
SE	0	1	1	0	0	0	2
SSE	0	0	0	0	0	0	0
S	0	0	0	0	3	1	4
SSW	0	1	3	0	0	1	5
SW	0	0	1	3	2	0	6
WSW	0	0	3	0	1	0	4
W	0	0	5	6	1	2	14
WNW	0	0	4	8	1	1	14
NW	0	0	1	3	3	1	8
NNW	0	0	1	2	0	0	3
Variable	0	0	0	0	0	0	0
Total	0	2	31	26	11	6	76

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

LaSalle Nuclear Station

Period of Record: January - March 2004  
 Stability Class - Neutral - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	21	30	13	4	0	68
NNE	0	16	30	5	0	0	51
NE	0	8	13	14	4	0	39
ENE	0	4	13	12	8	9	46
E	0	7	23	14	11	0	55
ESE	1	12	19	37	4	0	73
SE	1	1	14	5	0	0	21
SSE	2	4	1	3	1	0	11
S	1	3	7	9	9	1	30
SSW	1	9	11	20	7	0	48
SW	0	2	13	11	6	0	32
WSW	1	7	14	11	4	3	40
W	2	7	22	30	10	5	76
WNW	1	12	28	53	13	18	125
NW	0	9	25	40	10	9	93
NNW	0	10	42	42	9	2	105
Variable	0	0	0	0	0	0	0
Total	10	132	305	319	100	47	913

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

LaSalle Nuclear Station

Period of Record: January - March 2004  
 Stability Class - Slightly Stable - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	3	11	11	2	0	0	27
NNE	1	15	10	4	0	0	30
NE	1	5	4	6	5	0	21
ENE	1	0	10	32	3	0	46
E	0	2	22	16	1	0	41
ESE	0	6	5	4	0	0	15
SE	2	8	13	16	0	0	39
SSE	2	5	12	14	0	0	33
S	2	7	11	14	8	3	45
SSW	1	2	13	33	7	9	65
SW	1	4	14	26	7	3	55
WSW	1	1	11	19	10	1	43
W	3	15	27	33	13	0	91
WNW	0	16	35	11	9	2	73
NW	2	8	21	7	0	0	38
NNW	2	13	4	16	0	0	35
Variable	0	0	0	0	0	0	0
Total	22	118	223	253	63	18	697

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

LaSalle Nuclear Station

Period of Record: January - March 2004  
 Stability Class - Moderately Stable - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	2	0	0	0	0	2
NNE	0	0	0	0	0	0	0
NE	0	0	0	2	0	0	2
ENE	0	0	1	0	4	0	5
E	0	1	6	3	0	0	10
ESE	0	14	11	0	0	0	25
SE	3	5	7	2	0	0	17
SSE	0	6	8	5	0	0	19
S	0	12	15	4	0	1	32
SSW	0	3	21	11	0	0	35
SW	0	8	10	13	0	0	31
WSW	0	9	16	13	0	0	38
W	0	5	23	4	0	0	32
WNW	0	8	5	5	0	0	18
NW	1	6	2	0	0	0	9
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	4	79	125	62	4	1	275

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

LaSalle Nuclear Station

Period of Record: January - March 2004  
 Stability Class - Extremely Stable - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 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	2	4	0	0	0	6
SE	0	2	5	0	0	0	7
SSE	2	11	11	0	0	0	24
S	0	8	11	0	0	0	19
SSW	0	3	8	0	0	0	11
SW	0	4	12	3	0	0	19
WSW	0	4	2	4	0	0	10
W	0	0	1	0	0	0	1
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	2	34	54	7	0	0	97

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

LaSalle Nuclear Station

Period of Record: January - March 2004  
 Stability Class - Extremely Unstable - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 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	1	1
NE	0	0	0	0	0	2	2
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	1	1
W	0	0	0	0	0	0	0
WNW	0	0	0	0	3	4	7
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	3	8	11

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

LaSalle Nuclear Station

Period of Record: January - March 2004

Stability Class - Moderately Unstable - 375Ft-33Ft Delta-T (F)  
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	1	2	0	3
NNE	0	0	0	1	2	0	3
NE	0	0	0	0	0	3	3
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	1	0	1
SSE	0	0	0	0	2	0	2
S	0	0	0	0	0	4	4
SSW	0	0	0	0	0	1	1
SW	0	0	0	0	0	0	0
WSW	0	0	0	1	0	0	1
W	0	0	0	0	1	4	5
WNW	0	0	0	0	0	5	5
NW	0	0	0	2	2	0	4
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	5	10	17	32

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

LaSalle Nuclear Station

Period of Record: January - March 2004  
 Stability Class - Slightly Unstable - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 Feet

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

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: 4

LaSalle Nuclear Station

Period of Record: January - March 2004  
 Stability Class - Neutral - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	10	19	30	11	7	78
NNE	0	7	26	24	4	0	61
NE	0	4	9	16	23	5	57
ENE	0	1	11	25	40	30	107
E	0	0	14	13	9	7	43
ESE	0	5	9	27	34	2	77
SE	2	2	11	6	5	0	26
SSE	0	3	2	4	7	2	18
S	1	4	8	12	13	19	57
SSW	1	5	6	14	18	18	62
SW	0	1	2	19	15	14	51
WSW	1	5	13	11	8	15	53
W	2	9	13	22	28	30	104
WNW	0	7	9	52	46	65	179
NW	0	4	19	43	41	37	144
NNW	1	6	23	31	37	7	105
Variable	0	0	0	0	0	0	0
Total	9	73	194	349	339	258	1222

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: 4

LaSalle Nuclear Station

Period of Record: January - March 2004  
 Stability Class - Slightly Stable - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	2	6	9	0	0	18
NNE	0	1	7	7	1	0	16
NE	0	1	2	7	0	0	10
ENE	0	4	5	4	2	3	18
E	0	2	6	8	6	1	23
ESE	1	3	4	8	4	8	28
SE	0	4	0	3	2	16	25
SSE	0	3	1	8	4	16	32
S	6	3	2	6	16	19	52
SSW	0	0	5	5	13	52	75
SW	3	1	3	13	11	35	66
WSW	0	1	4	5	11	24	45
W	0	4	5	3	22	41	75
WNW	1	6	5	12	24	20	68
NW	1	5	5	12	15	2	40
NNW	0	3	1	7	1	0	12
Variable	0	0	0	0	0	0	0
Total	13	43	61	117	132	237	603

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: 4

LaSalle Nuclear Station

Period of Record: January - March 2004  
 Stability Class - Moderately Stable - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	1	0	1
NNE	0	0	0	2	0	0	2
NE	0	1	0	1	0	0	2
ENE	0	0	1	1	0	0	2
E	0	2	0	0	3	1	6
ESE	0	0	0	2	1	2	5
SE	0	2	3	5	7	10	27
SSE	0	0	3	6	2	9	20
S	0	0	2	1	4	2	9
SSW	0	2	2	2	7	22	35
SW	1	1	3	4	7	19	35
WSW	0	0	1	0	1	10	12
W	0	1	3	7	8	12	31
WNW	0	0	1	1	3	0	5
NW	0	1	1	1	0	0	3
NNW	0	2	0	2	0	0	4
Variable	0	0	0	0	0	0	0
Total	1	12	20	35	44	87	199

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

LaSalle Nuclear Station

Period of Record: January - March 2004  
 Stability Class - Extremely Stable - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 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	1	1
SE	2	0	0	0	0	0	2
SSE	0	0	0	0	1	3	4
S	0	0	0	0	0	10	10
SSW	1	0	0	1	3	14	19
SW	0	0	0	0	0	3	3
WSW	0	0	0	0	4	3	7
W	0	3	0	0	0	0	3
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	3	3	0	1	8	34	49

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

LaSalle Nuclear Station

Period of Record: April - June 2004

Stability Class - Extremely Unstable - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	1	0	1
NNE	0	0	1	4	0	0	5
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	3	4	5	12
SW	0	0	0	6	6	10	22
WSW	0	0	0	3	1	1	5
W	0	0	3	1	0	0	4
WNW	0	0	3	3	3	2	11
NW	0	0	0	2	2	1	5
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	7	22	17	19	65

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

LaSalle Nuclear Station

Period of Record: April - June 2004

Stability Class - Moderately Unstable - 200Ft-33Ft Delta-T (F)

Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	3	2	1	0	6
NNE	0	0	8	1	0	0	9
NE	0	0	0	5	0	0	5
ENE	0	0	0	1	0	0	1
E	0	0	0	0	0	0	0
ESE	0	0	0	2	0	0	2
SE	0	0	1	0	0	0	1
SSE	0	0	0	1	0	0	1
S	0	0	0	2	0	0	2
SSW	0	0	1	6	4	3	14
SW	0	2	1	10	5	2	20
WSW	0	2	2	8	3	1	16
W	0	0	8	5	1	1	15
WNW	0	2	8	1	0	1	12
NW	0	0	2	2	0	0	4
NNW	0	0	1	5	0	0	6
Variable	0	0	0	0	0	0	0
Total	0	6	35	51	14	8	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

LaSalle Nuclear Station

Period of Record: April - June 2004  
 Stability Class - Slightly Unstable - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	2	7	4	0	0	13
NNE	0	6	8	1	0	0	15
NE	0	1	1	2	1	0	5
ENE	0	0	1	0	1	0	2
E	0	0	3	0	0	0	3
ESE	0	0	2	0	0	0	2
SE	0	0	2	3	0	0	5
SSE	0	1	4	1	0	0	6
S	0	0	1	1	0	0	2
SSW	0	1	2	3	2	0	8
SW	0	0	10	11	4	1	26
WSW	0	1	3	7	6	0	17
W	0	2	10	3	2	0	17
WNW	0	5	12	2	0	0	19
NW	0	2	4	2	0	1	9
NNW	0	2	12	1	1	0	16
Variable	0	0	0	0	0	0	0
Total	0	23	82	41	17	2	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: 0

LaSalle Nuclear Station

Period of Record: April - June 2004  
 Stability Class - Neutral - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	3	17	31	7	1	0	59
NNE	1	30	23	0	1	0	55
NE	1	16	26	29	2	1	75
ENE	0	17	7	18	14	0	56
E	0	9	14	12	5	0	40
ESE	1	8	7	12	1	0	29
SE	0	6	14	7	4	0	31
SSE	0	4	13	6	4	0	27
S	0	8	13	5	0	0	26
SSW	0	7	16	13	3	3	42
SW	0	9	20	24	17	3	73
WSW	0	15	24	15	21	0	75
W	1	9	12	14	6	0	42
WNW	1	13	17	7	2	2	42
NW	0	13	14	12	2	1	42
NNW	1	10	41	15	8	1	76
Variable	0	0	0	0	0	0	0
Total	9	191	292	196	91	11	790

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

LaSalle Nuclear Station

Period of Record: April - June 2004

Stability Class - Slightly Stable - 200Ft-33Ft Delta-T (F)

Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	22	17	9	0	0	48
NNE	1	35	14	0	0	0	50
NE	2	7	18	3	0	0	30
ENE	0	4	11	3	0	0	18
E	0	18	39	7	1	0	65
ESE	2	12	11	2	0	0	27
SE	1	10	9	15	1	0	36
SSE	0	6	6	3	1	0	16
S	0	6	26	6	3	0	41
SSW	1	10	34	17	6	6	74
SW	0	18	32	41	5	6	102
WSW	1	7	13	12	1	1	35
W	0	6	7	6	2	1	22
WNW	0	7	9	7	3	1	27
NW	1	15	4	4	0	0	24
NNW	4	12	9	0	0	0	25
Variable	0	0	0	0	0	0	0
Total	13	195	259	135	23	15	640

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

LaSalle Nuclear Station

Period of Record: April - June 2004  
 Stability Class - Moderately Stable - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	7	0	0	0	0	8
NNE	0	5	0	0	0	0	5
NE	0	1	0	0	0	0	1
ENE	1	0	0	0	0	0	1
E	1	8	4	0	0	0	13
ESE	1	11	4	0	0	0	16
SE	0	13	1	0	0	0	14
SSE	1	6	9	0	0	0	16
S	1	9	11	10	1	0	32
SSW	2	5	14	7	0	0	28
SW	0	8	12	2	0	0	22
WSW	1	4	14	2	0	0	21
W	3	13	10	0	0	0	26
WNW	1	20	1	0	0	0	22
NW	1	5	5	0	0	0	11
NNW	1	4	2	0	0	0	7
Variable	0	0	0	0	0	0	0
Total	15	119	87	21	1	0	243

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

LaSalle Nuclear Station

Period of Record: April - June 2004

Stability Class - Extremely Stable - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	1	0	0	0	0	1
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	1	0	0	0	0	0	1
ESE	0	3	1	0	0	0	4
SE	0	8	0	0	0	0	8
SSE	0	4	6	0	0	0	10
S	0	2	10	0	0	0	12
SSW	0	2	14	2	0	0	18
SW	0	13	19	0	0	0	32
WSW	0	7	16	0	0	0	23
W	1	15	9	1	0	0	26
WNW	2	15	4	0	0	0	21
NW	1	1	0	0	0	0	2
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	5	72	79	3	0	0	159

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

LaSalle Nuclear Station

Period of Record: April - June 2004  
 Stability Class - Extremely Unstable - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 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	2	2
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	2	2

Hours of calm in this stability class: 0  
 Hours of missing wind measurements in this stability class: 0  
 Hours of missing stability measurements in all stability classes: 100

LaSalle Nuclear Station

Period of Record: April - June 2004  
 Stability Class - Moderately Unstable - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	3	1	4
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	3	3
SW	0	0	0	0	0	7	7
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	3	11	14

Hours of calm in this stability class: 0  
 Hours of missing wind measurements in this stability class: 0  
 Hours of missing stability measurements in all stability classes: 100

LaSalle Nuclear Station

Period of Record: April - June 2004  
 Stability Class - Slightly Unstable - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 Feet

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

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: 100

LaSalle Nuclear Station

Period of Record: April - June 2004  
 Stability Class - Neutral - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	2	8	27	25	7	9	78
NNE	1	8	39	19	4	1	72
NE	0	8	17	21	29	12	87
ENE	0	10	9	12	14	13	58
E	0	1	10	15	8	1	35
ESE	3	5	5	6	9	3	31
SE	0	2	9	13	4	6	34
SSE	0	1	8	4	2	3	18
S	0	7	12	8	4	5	36
SSW	0	4	6	10	16	33	69
SW	0	4	21	31	25	40	121
WSW	0	9	18	17	29	31	104
W	0	6	22	19	8	11	66
WNW	1	6	27	21	8	13	76
NW	0	13	19	20	7	10	69
NNW	0	8	18	27	9	6	68
Variable	0	0	0	0	0	0	0
Total	7	100	267	268	183	197	1022

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: 100

LaSalle Nuclear Station

Period of Record: April - June 2004  
 Stability Class - Slightly Stable - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	4	9	18	9	0	40
NNE	2	6	8	23	3	0	42
NE	1	3	14	22	9	0	49
ENE	0	4	9	13	7	2	35
E	1	6	7	15	11	5	45
ESE	0	1	6	7	6	4	24
SE	1	1	3	1	3	14	23
SSE	0	2	4	5	7	1	19
S	0	2	8	9	9	25	53
SSW	0	5	7	17	20	69	118
SW	0	0	8	17	27	51	103
WSW	0	2	4	5	14	8	33
W	1	2	2	10	7	8	30
WNW	1	1	7	11	9	8	37
NW	1	3	5	9	6	2	26
NNW	0	3	8	9	4	2	26
Variable	0	0	0	0	0	0	0
Total	8	45	109	191	151	199	703

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: 100

LaSalle Nuclear Station

Period of Record: April - June 2004  
 Stability Class - Moderately Stable - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	2	4	0	0	6
NNE	0	0	3	3	0	0	6
NE	0	2	2	1	0	0	5
ENE	0	0	2	0	0	0	2
E	0	0	1	1	0	0	2
ESE	1	1	6	4	2	0	14
SE	0	1	3	3	0	0	7
SSE	0	1	3	0	1	0	5
S	0	0	1	5	6	7	19
SSW	1	2	1	5	4	16	29
SW	0	0	1	3	6	15	25
WSW	1	2	3	7	8	3	24
W	0	2	0	8	5	7	22
WNW	0	2	3	8	7	2	22
NW	0	0	2	5	5	0	12
NNW	0	0	3	3	0	0	6
Variable	0	0	0	0	0	0	0
Total	3	13	36	60	44	50	206

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: 100

LaSalle Nuclear Station

Period of Record: April - June 2004  
 Stability Class - Extremely Stable - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 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	2	2	0	0	4
ESE	0	0	1	0	0	0	1
SE	0	0	1	1	0	0	2
SSE	0	0	0	0	1	0	1
S	0	0	0	0	3	3	6
SSW	0	0	1	0	3	7	11
SW	0	0	1	1	7	5	14
WSW	0	1	0	0	1	3	5
W	0	1	2	9	3	0	15
WNW	0	0	3	4	5	1	13
NW	0	0	1	2	1	1	5
NNW	0	0	2	2	0	0	4
Variable	0	0	0	0	0	0	0
Total	0	2	14	21	24	20	81

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: 100

LaSalle Nuclear Station

Period of Record: July - September 2004  
 Stability Class - Extremely Unstable - 200Ft-33Ft Delta-T (F)

Winds Measured at 33 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	1	0	0	3
NE	0	0	3	0	0	0	3
ENE	0	0	1	0	0	0	1
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	1	0	0	0	1
S	0	0	0	0	0	0	0
SSW	0	0	10	0	2	0	12
SW	0	0	7	0	0	0	7
WSW	0	0	1	4	0	0	5
W	0	0	0	7	0	0	7
WNW	0	0	5	4	0	0	9
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	30	16	2	0	48

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

LaSalle Nuclear Station

Period of Record: July - September 2004  
 Stability Class - Moderately Unstable - 200Ft-33Ft Delta-T (F)

Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	8	0	0	0	8
NNE	0	3	9	0	0	0	12
NE	0	2	5	2	0	0	9
ENE	0	0	5	1	0	0	6
E	0	0	0	0	0	0	0
ESE	0	0	3	0	0	0	3
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	2	4	0	0	0	6
SSW	0	0	13	4	1	0	18
SW	0	2	14	2	0	0	18
WSW	0	0	4	2	0	0	6
W	0	1	2	3	0	0	6
WNW	0	2	6	8	0	0	16
NW	0	2	5	1	0	0	8
NNW	0	2	1	0	0	0	3
Variable	0	0	0	0	0	0	0
Total	0	16	79	23	1	0	119

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

LaSalle Nuclear Station

Period of Record: July - September 2004  
 Stability Class - Slightly Unstable - 200Ft-33Ft Delta-T (F)

Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	4	9	1	0	0	14
NNE	0	8	5	1	0	0	14
NE	0	4	5	4	0	0	13
ENE	0	2	3	2	0	0	7
E	0	0	3	0	0	0	3
ESE	0	0	3	3	0	0	6
SE	0	1	4	1	0	0	6
SSE	0	5	2	1	0	0	8
S	0	10	6	5	0	0	21
SSW	0	2	11	1	1	0	15
SW	0	1	8	3	0	0	12
WSW	0	4	5	0	0	0	9
W	0	4	8	3	0	0	15
WNW	0	8	8	9	0	0	25
NW	0	4	5	0	0	0	9
NNW	0	1	6	3	0	0	10
Variable	0	0	0	0	0	0	0
Total	0	58	91	37	1	0	187

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

LaSalle Nuclear Station

Period of Record: July - September 2004  
 Stability Class - Neutral - 200Ft-33Ft Delta-T (F)

Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	39	25	1	0	0	65
NNE	2	32	23	0	0	0	57
NE	1	17	20	9	0	0	47
ENE	1	12	16	5	0	0	34
E	1	7	12	4	0	0	24
ESE	1	6	4	2	0	0	13
SE	3	12	12	6	0	0	33
SSE	2	21	17	8	0	0	48
S	2	33	24	11	0	0	70
SSW	3	18	9	5	0	0	35
SW	0	11	10	2	0	1	24
WSW	3	9	17	8	0	0	37
W	2	8	25	8	0	0	43
WNW	2	17	17	6	1	0	43
NW	0	8	3	3	0	0	14
NNW	0	20	17	1	1	0	39
Variable	0	0	0	0	0	0	0
Total	23	270	251	79	2	1	626

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

LaSalle Nuclear Station

Period of Record: July - September 2004  
 Stability Class - Slightly Stable - 200Ft-33Ft Delta-T (F)

Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	2	42	13	1	0	0	58
NNE	0	34	8	0	0	0	42
NE	0	5	32	0	0	0	37
ENE	0	5	13	0	0	0	18
E	2	7	19	1	0	0	29
ESE	0	11	8	0	0	0	19
SE	1	13	6	0	0	0	20
SSE	4	12	14	3	0	0	33
S	1	12	23	5	1	0	42
SSW	4	28	10	1	0	0	43
SW	4	16	18	0	0	0	38
WSW	1	8	9	2	0	0	20
W	1	11	10	2	0	0	24
WNW	2	15	17	1	0	0	35
NW	3	18	8	1	0	0	30
NNW	3	8	8	1	0	0	20
Variable	0	0	0	0	0	0	0
Total	28	245	216	18	1	0	508

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

LaSalle Nuclear Station

Period of Record: July - September 2004  
 Stability Class - Moderately Stable - 200Ft-33Ft Delta-T (F)

Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	14	0	0	0	0	15
NNE	0	16	0	0	0	0	16
NE	2	0	0	0	0	0	2
ENE	0	2	0	0	0	0	2
E	2	12	12	0	0	0	26
ESE	2	12	0	0	0	0	14
SE	0	15	4	0	0	0	19
SSE	2	15	5	0	0	0	22
S	3	21	8	0	0	0	32
SSW	3	8	4	0	0	0	15
SW	1	13	5	0	0	0	19
WSW	4	16	9	1	0	0	30
W	5	10	9	0	0	0	24
WNW	1	11	2	0	0	0	14
NW	3	15	3	0	0	0	21
NNW	4	2	0	0	0	0	6
Variable	0	0	0	0	0	0	0
Total	33	182	61	1	0	0	277

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

LaSalle Nuclear Station

Period of Record: July - September 2004  
 Stability Class - Extremely Stable - 200Ft-33Ft Delta-T (F)

Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	4	0	0	0	0	5
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	1	3	4	0	0	0	8
ESE	1	21	4	0	0	0	26
SE	4	33	7	0	0	0	44
SSE	5	55	6	0	0	0	66
S	1	41	15	0	0	0	57
SSW	1	57	23	0	0	0	81
SW	3	36	6	0	0	0	45
WSW	1	25	4	0	0	0	30
W	1	18	3	0	0	0	22
WNW	2	29	1	0	0	0	32
NW	0	7	1	0	0	0	8
NNW	1	3	1	0	0	0	5
Variable	0	0	0	0	0	0	0
Total	23	332	75	0	0	0	430

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

LaSalle Nuclear Station

Period of Record: July - September 2004  
 Stability Class - Extremely Unstable - 375Ft-33Ft Delta-T (F)

Winds Measured at 375 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: 11

LaSalle Nuclear Station

Period of Record: July - September 2004  
 Stability Class - Moderately Unstable - 375Ft-33Ft Delta-T (F)

Winds Measured at 375 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	1	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	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	1	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: 11

LaSalle Nuclear Station

Period of Record: July - September 2004  
 Stability Class - Slightly Unstable - 375Ft-33Ft Delta-T (F)

Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	1	4	0	0	5
NNE	0	0	2	6	1	0	9
NE	0	0	1	6	0	0	7
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	2	0	0	2
SE	0	0	0	0	0	0	0
SSE	0	0	1	0	0	0	1
S	0	0	1	0	0	0	1
SSW	0	0	7	4	0	1	12
SW	0	0	0	4	1	0	5
WSW	0	0	1	2	3	0	6
W	0	0	3	1	3	0	7
WNW	0	0	4	0	0	0	4
NW	0	0	0	0	1	0	1
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	21	29	9	1	60

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: 11

LaSalle Nuclear Station

Period of Record: July - September 2004  
 Stability Class - Neutral - 375Ft-33Ft Delta-T (F)

Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	21	21	29	2	0	73
NNE	1	16	31	26	10	0	84
NE	1	13	22	32	19	1	88
ENE	0	8	9	10	5	0	32
E	1	8	7	10	0	0	26
ESE	0	4	5	10	0	0	19
SE	3	10	14	8	7	0	42
SSE	2	20	21	12	8	0	63
S	0	21	35	30	7	1	94
SSW	1	11	25	23	9	5	74
SW	1	5	10	19	7	0	42
WSW	1	7	17	16	10	2	53
W	1	15	18	21	14	2	71
WNW	0	13	18	20	11	0	62
NW	0	10	20	14	2	1	47
NNW	1	10	26	10	1	0	48
Variable	0	0	0	0	0	0	0
Total	13	192	299	290	112	12	918

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: 11

LaSalle Nuclear Station

Period of Record: July - September 2004  
 Stability Class - Slightly Stable - 375Ft-33Ft Delta-T (F)

Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	7	5	13	9	0	34
NNE	0	2	13	33	15	0	63
NE	0	2	9	29	6	0	46
ENE	0	2	11	13	1	0	27
E	0	5	9	12	8	0	34
ESE	0	1	4	6	6	0	17
SE	1	2	9	8	3	0	23
SSE	0	6	6	13	8	3	36
S	0	5	4	10	9	19	47
SSW	0	1	13	19	18	5	56
SW	3	3	8	8	14	0	36
WSW	3	4	8	10	6	0	31
W	2	4	6	19	11	3	45
WNW	1	2	3	12	15	4	37
NW	2	7	16	8	11	3	47
NNW	0	7	11	6	2	1	27
Variable	0	0	0	0	0	0	0
Total	12	60	135	219	142	38	606

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: 11

LaSalle Nuclear Station

Period of Record: July - September 2004  
 Stability Class - Moderately Stable - 375Ft-33Ft Delta-T (F)

Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	4	3	3	2	0	0	12
NNE	0	2	1	11	2	0	16
NE	2	0	1	5	6	0	14
ENE	0	1	3	2	0	0	6
E	1	4	3	6	3	0	17
ESE	0	2	6	15	7	0	30
SE	0	3	10	6	4	3	26
SSE	1	3	12	8	6	5	35
S	1	7	6	2	7	9	32
SSW	0	1	4	26	7	10	48
SW	1	4	2	13	13	4	37
WSW	0	6	7	3	2	0	18
W	0	7	9	11	9	0	36
WNW	0	4	7	8	8	0	27
NW	0	6	4	3	6	0	19
NNW	0	2	1	2	7	1	13
Variable	0	0	0	0	0	0	0
Total	10	55	79	123	87	32	386

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: 11

LaSalle Nuclear Station

Period of Record: July - September 2004  
 Stability Class - Extremely Stable - 375Ft-33Ft Delta-T (F)

Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	2	0	0	0	0	0	2
NNE	1	1	0	0	0	0	2
NE	0	0	1	0	0	0	1
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	1	2	3
SE	0	0	0	4	2	10	16
SSE	0	0	0	14	5	6	25
S	0	0	6	10	6	13	35
SSW	0	0	4	13	24	9	50
SW	1	0	4	18	19	11	53
WSW	0	1	7	1	1	1	11
W	1	2	1	2	0	0	6
WNW	0	3	1	3	1	0	8
NW	0	0	2	2	2	0	6
NNW	0	2	1	1	1	0	5
variable	0	0	0	0	0	0	0
Total	5	9	27	68	62	52	223

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: 11

LaSalle Nuclear Station

Period of Record: October - December 2004

Stability Class - Extremely Unstable - 200Ft-33Ft Delta-T (F)  
Winds Measured at 33 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	1	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	0	1	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

LaSalle Nuclear Station

Period of Record: October - December 2004  
 Stability Class - Moderately Unstable - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 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	0	0	1	0	0	1
ENE	0	0	0	0	0	0	0
E	0	0	0	1	0	0	1
ESE	0	0	0	1	0	0	1
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	2	0	2	4
SSW	0	0	0	2	0	0	2
SW	0	0	0	3	0	0	3
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	1	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	0	0	2	11	0	2	15

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

LaSalle Nuclear Station

Period of Record: October - December 2004  
 Stability Class - Slightly Unstable - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	2	5	1	0	8
NNE	0	0	0	0	0	0	0
NE	0	0	3	0	0	0	3
ENE	0	0	4	1	0	0	5
E	0	0	1	4	0	0	5
ESE	0	0	1	0	0	0	1
SE	0	0	1	0	0	0	1
SSE	0	0	0	0	0	0	0
S	0	0	0	4	0	2	6
SSW	0	2	1	0	0	0	3
SW	0	1	0	2	2	0	5
WSW	0	3	0	7	1	0	11
W	0	0	0	1	2	0	3
WNW	0	0	4	1	0	0	5
NW	0	0	4	0	0	0	4
NNW	0	0	1	1	0	0	2
Variable	0	0	0	0	0	0	0
Total	0	6	22	26	6	2	62

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

LaSalle Nuclear Station

Period of Record: October - December 2004  
 Stability Class - Neutral - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	2	13	29	34	11	0	89
NNE	0	26	13	8	1	0	48
NE	1	7	29	13	5	1	56
ENE	0	3	38	22	13	2	78
E	0	6	39	24	4	0	73
ESE	0	5	18	5	0	0	28
SE	0	3	9	5	0	0	17
SSE	0	4	13	17	0	0	34
S	1	9	11	23	14	3	61
SSW	2	10	17	9	3	0	41
SW	0	17	25	29	12	0	83
WSW	1	12	9	7	6	4	39
W	0	7	21	27	8	4	67
WNW	1	8	39	39	15	4	106
NW	0	9	13	24	5	6	57
NNW	0	12	42	46	20	4	124
Variable	0	0	0	0	0	0	0
Total	8	151	365	332	117	28	1001

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

LaSalle Nuclear Station

Period of Record: October - December 2004  
 Stability Class - Slightly Stable - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	2	24	8	0	0	0	34
NNE	3	19	11	0	0	0	33
NE	2	2	15	1	0	0	20
ENE	1	0	16	13	1	0	31
E	2	5	54	7	0	0	68
ESE	0	9	12	2	0	0	23
SE	1	1	17	4	0	0	23
SSE	2	12	23	9	0	0	46
S	1	8	13	16	1	0	39
SSW	0	9	28	21	7	3	68
SW	2	3	19	30	14	0	68
WSW	2	10	11	13	2	1	39
W	1	6	18	8	1	0	34
WNW	2	4	10	18	17	16	67
NW	3	10	15	6	1	0	35
NNW	2	11	8	5	0	0	26
Variable	0	0	0	0	0	0	0
Total	26	133	278	153	44	20	654

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

LaSalle Nuclear Station

Period of Record: October - December 2004  
 Stability Class - Moderately Stable - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	14	1	0	0	0	15
NNE	0	5	0	0	0	0	5
NE	1	0	0	0	0	0	1
ENE	1	1	0	0	0	0	2
E	1	2	12	0	0	0	15
ESE	1	3	5	0	0	0	9
SE	0	12	5	0	0	0	17
SSE	1	5	7	1	0	0	14
S	2	13	9	6	0	0	30
SSW	0	10	10	5	1	0	26
SW	2	10	28	7	0	0	47
WSW	0	4	25	3	0	0	32
W	1	5	17	0	0	0	23
WNW	0	3	8	1	0	0	12
NW	2	7	17	1	0	0	27
NNW	0	5	0	0	0	0	5
Variable	0	0	0	0	0	0	0
Total	12	99	144	24	1	0	280

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

LaSalle Nuclear Station

Period of Record: October - December 2004

Stability Class - Extremely Stable - 200Ft-33Ft Delta-T (F)  
 Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	2	0	0	0	0	2
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	5	6	0	0	0	11
ESE	0	6	3	0	0	0	9
SE	0	6	2	0	0	0	8
SSE	2	17	4	0	0	0	23
S	0	11	7	1	0	0	19
SSW	0	5	20	0	0	0	25
SW	1	12	21	3	0	0	37
WSW	1	4	12	1	0	0	18
W	2	5	9	0	0	0	16
WNW	0	7	2	0	0	0	9
NW	0	2	0	0	0	0	2
NNW	0	1	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	6	83	86	5	0	0	180

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

LaSalle Nuclear Station

Period of Record: October - December 2004

Stability Class - Extremely Unstable - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 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: 11

LaSalle Nuclear Station

Period of Record: October - December 2004  
 Stability Class - Moderately Unstable - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 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: 11

LaSalle Nuclear Station

Period of Record: October - December 2004

Stability Class - Slightly Unstable - 375Ft-33Ft Delta-T (F)  
Winds Measured at 375 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	1	0	1
E	0	0	0	1	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	0	0	0	0	2	2
SSW	0	0	0	0	1	0	1
SW	0	0	0	0	2	0	2
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	1	1
Variable	0	0	0	0	0	0	0
Total	0	0	0	1	4	3	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: 11

LaSalle Nuclear Station

Period of Record: October - December 2004  
 Stability Class - Neutral - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	8	9	22	22	10	72
NNE	0	4	15	11	7	10	47
NE	0	0	14	40	14	9	77
ENE	0	3	14	51	21	16	105
E	1	1	17	26	13	7	65
ESE	0	3	6	11	3	0	23
SE	0	1	1	10	8	0	20
SSE	1	3	9	12	9	4	38
S	1	2	14	20	11	22	70
SSW	1	6	15	12	9	16	59
SW	0	9	17	17	27	22	92
WSW	1	5	9	17	7	16	55
W	0	5	11	27	18	10	71
WNW	0	4	13	27	33	17	94
NW	0	4	14	20	32	25	95
NNW	1	5	26	28	30	19	109
Variable	0	0	0	0	0	0	0
Total	7	63	204	351	264	203	1092

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: 11

LaSalle Nuclear Station

Period of Record: October - December 2004  
 Stability Class - Slightly Stable - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	2	5	7	9	5	1	29
NNE	1	6	13	9	5	0	34
NE	0	4	12	3	10	0	29
ENE	1	2	7	11	11	1	33
E	2	5	6	24	19	6	62
ESE	0	4	2	4	8	3	21
SE	0	2	4	3	9	4	22
SSE	2	3	6	5	15	16	47
S	0	3	4	5	18	29	59
SSW	0	3	5	10	14	57	89
SW	0	3	6	7	17	43	76
WSW	0	1	6	5	14	9	35
W	0	0	2	8	21	26	57
WNW	0	2	1	8	14	59	84
NW	0	0	1	7	6	8	22
NNW	0	4	8	7	5	6	30
Variable	0	0	0	0	0	0	0
Total	8	47	90	125	191	268	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: 11

LaSalle Nuclear Station

Period of Record: October - December 2004  
 Stability Class - Moderately Stable - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	1	3	2	0	0	6
NNE	0	0	6	8	2	0	16
NE	0	0	1	1	3	0	5
ENE	0	0	0	1	0	0	1
E	0	1	0	3	0	1	5
ESE	0	2	2	1	9	2	16
SE	0	2	1	2	9	6	20
SSE	0	1	5	1	4	2	13
S	0	2	1	2	2	9	16
SSW	1	0	4	5	11	15	36
SW	0	0	4	3	14	26	47
WSW	0	0	0	1	11	11	23
W	0	0	4	3	10	4	21
WNW	0	0	4	3	12	4	23
NW	0	0	1	0	8	2	11
NNW	0	0	1	7	4	1	13
Variable	0	0	0	0	0	0	0
Total	1	9	37	43	99	83	272

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: 11

LaSalle Nuclear Station

Period of Record: October - December 2004  
 Stability Class - Extremely Stable - 375Ft-33Ft Delta-T (F)  
 Winds Measured at 375 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	1	0	0	1
ESE	0	0	0	0	2	0	2
SE	0	0	0	3	0	0	3
SSE	0	0	0	3	3	2	8
S	0	0	1	5	8	5	19
SSW	0	0	3	3	12	8	26
SW	0	0	0	3	0	9	12
WSW	0	0	1	4	3	6	14
W	0	0	1	2	1	1	5
WNW	0	1	0	0	1	1	3
NW	0	0	1	1	1	0	3
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	1	7	25	31	32	96

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: 11