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Exelon Nuclear

RA11-021

10 CFR 50.36a

April 26, 2011

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: 2010 Annual Radioactive Effluent Release Report

Enclosed is the Exelon Generation Company, LLC, 2010 Annual Radioactive Effluent Release Report for LaSalle County Station, 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,

David P. Rhoades
Site Vice President
LaSalle County Station

Attachment: 2010 Effluent and Waste Disposal Annual Report

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

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NRR

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
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:

         a) During any calendar quarter: Less than or equal to 7.5 mRem to any organ, and

         b) During any calendar year: Less than or equal to 15 mRem 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.

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:

Nuclide	DWC (µci/ml)
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

1) 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.

4) All release types as listed in 1 and 2 above are sampled at the vent stack, and those listed in 3 above are sampled at the Standby Gas Treatment System whenever there is flow. These effluents 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.

5) Batch releases resultant from activities related to the U1 CY leak were sampled by grab sample, and were analyzed for principal gamma emitters and tritium.

6) The LaSalle County Nuclear Power Station Estimate of 1.84E+01 Ci of C-14 is based upon the value obtained from the LaSalle Station Final Environmental Statement. Quantification of C-14 and inclusion of C-14 in dose calculations has not been required or performed in previous reports. C-14 is now included and presented in accordance with current industry initiatives and NRC guidance.

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:	2
2)	Total time period for batch releases:	7.68E+02 hours
3)	Maximum time period for a batch release:	4.80E+02 hours
4)	Average time period for batch releases:	3.84E+02 hours
5)	Minimum time period for a batch release:	2.88E+02 hours

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

6. Abnormal Releases

a. Gaseous

1)	Number of releases:	2
2)	Total activity released:	7.18E-03 Ci

b. Liquid

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

7. Process Control Program

In the 2010 period, there were no changes to the Process Control Program (PCP) implementation, processing systems or components.

8. Effluent Monitoring Instrumentation timeclocks and sample anomalies.

a. <u>Time clocks:</u>

There were no effluent monitoring time clocks exceeded in 2010.

b. Sample anomalies:

There were no sampling anomalies affecting the measurement of effluents experienced during 2010.

During the June and July of 2010, a leak from the U1 Cycled Condensate (CY) tank was identified and remediated. Upon confirmation of a leak, this issue was documented in the Corrective Actions Program (CAP) and the proper reports and notifications made to Regulatory agencies and stakeholders. After isolating the U1 CY tank, the tank was drained, repaired, and returned to service. Estimations concluded that 2.0E-01 Ci of tritium were released as a result of this leak with no tritium found to have migrated offsite. Remediation activities include installation of additional groundwater monitoring wells, increased ground water sampling frequency, and natural monitored attenuation (NMA). Due to the fact that no tritium has been found to have migrated offsite, no liquid radiological release was reported for 2010.

Two gaseous gound level batch releases were reported during the 2010 period. First, due to the U1 CY leak, the CY berm which retained some of the leaked tritiated water was observed to have evaporated during remediation activities. For the purposes of radiological impact on man, the entire contents of the CY berm were assumed to have evaporated as a ground level batch release. Also, after the U1 CY tank was drained for maintenance, air samples were taken at the tank hatch. For the purposes of radiological impact on man, the entire atmosphere of the CY tank at the highest concentrations observed was assumed to have evacuated as a ground level batch release. The contribution from these releases to annual dose has been included in the totals.

9. Offsite Dose Calculation Manual Revisions.

There was one revision made to the ODCM in 2010. Changes included editorial/grammatical corrections, and changes related to the implementation of the new Independent Spent Fuel Storage Installation (ISFSI).

Each change had a determination performed, in accordance with ODCM revision procedures, to ensure the change would not adversely impact accuracy or reliability of effluent, dose or set point calculations and will maintain the level of radiological effluent controls established by regulatory requirements. The determinations indicated no adverse impacts.

A copy of the ODCM Cange Summary Matrix for revision 2 has been included as Appendix A to this report. Also, a copy of revision 2 to the ODCM has been included as Appendix B to this report. All changes in revision 2 to the LaSalle Station ODCM became effective 06/15/2010.

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
UNITS ONE AND TWO
DOCKET NUMBERS 50-373 AND 50-374
GASSEOUS EFFLENTS SUMMATION OF ALL RELEASES

	Units	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Estimated Total Error %
A. Fission and Activation Gas						
1. Total Release Activity	Ci	6.01E+02	3.87E+02	3.88E+02	5.39E+02	2.50E+01
2. Average Release Rate	uCi/sec	7.64E+01	4.92E+01	4.88E+01	6.78E+01	
3. Percent of Technical Specification Limit	%	*	*	*	*	
B. Iodine						
1. Total I-131 Activity	Ci	1.56E-02	3.78E-03	5.43E-03	6.33E-03	1.50E+01
2. Average Release Rate	uCi/sec	1.99E-03	4.81E-04	6.84E-04	7.97E-04	
3. Percent of Technical Specification Limit	%	*	*	*	*	
C. Particulate (> 8 day half-life)						
1. Gross Activity	Ci	1.29E-02	1.46E-03	2.03E-03	1.95E-03	3.50E+01
2. Average Release Rate	uCi/sec	1.66E-03	1.86E-04	2.56E-04	2.45E-04	
3. Percent of Technical Specification Limit	%	*	*	*	*	
D. Tritium						
1. Total Release Activity	Ci	1.07E+01	1.38E+01	1.06E+01	8.65E+00	1.50E+01
2. Average Release Rate	uCi/sec	1.36E+00	1.75E+00	1.34E+00	1.09E+00	
3. Percent of Technical Specification Limit	%	*	*	*	*	
E. Gross Alpha						
1. Total Release Activity	Ci	<1.00E-11	<1.00E-11	<1.00E-11	<1.00E-11	3.50E+01
2. Average Release Rate	uCi/sec	<LLD	<LLD	<LLD	<LLD	
3. Percent of Technical Specification Limit	%	*	*	*	*	
F. Carbon-14						
1. Total Release Activity	Ci	4.59E+00	4.59E+00	4.60E+00	4.60E+00	
2. Average Release Rate	uCi/sec	5.84E-01	5.84E-01	5.79E-01	5.79E-01	
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 (2010)
GASSEOUS EFFLENTS ELEVATED RELEASE UNIT 1 AND UNIT 2

Nuclides Released		Continuous Mode				Batch Mode			
	Unit	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4
1. Fission gases									
Kr-85	Ci	<1.00E-04	<1.00E-04	<1.00E-04	<1.00E-04	N/A	N/A	N/A	N/A
Kr-85m	Ci	1.77E+02	1.14E+02	1.31E+02	1.58E+02	N/A	N/A	N/A	N/A
Kr-87	Ci	3.35E+01	2.71E+01	5.70E+00	2.53E+01	N/A	N/A	N/A	N/A
Kr-88	Ci	2.80E+02	1.51E+02	1.76E+02	2.86E+02	N/A	N/A	N/A	N/A
Xe-133	Ci	1.10E+02	9.24E+01	7.50E+01	6.96E+01	N/A	N/A	N/A	N/A
Xe-135	Ci	5.90E-04	2.24E+00	4.25E-04	5.35E-04	N/A	N/A	N/A	N/A
Xe-135m	Ci	<1.00E-04	<1.00E-04	<1.00E-04	<1.00E-04	N/A	N/A	N/A	N/A
Xe-138	Ci	<1.00E-04	<1.00E-04	<1.00E-04	<1.00E-04	N/A	N/A	N/A	N/A
Ar-41	Ci	5.67E-04	8.02E-04	4.75E-04	3.93E-04	N/A	N/A	N/A	N/A
Total for Period	Ci	6.01E+02	3.87E+02	3.88E+02	5.39E+02	N/A	N/A	N/A	N/A
2. Iodines									
I-131	Ci	1.56E-02	3.78E-03	5.43E-03	6.33E-03	N/A	N/A	N/A	N/A
I-132	Ci	1.72E-02	<1.00E-11	1.66E-03	2.94E-03	N/A	N/A	N/A	N/A
I-133	Ci	2.67E-02	9.39E-03	1.33E-02	1.72E-02	N/A	N/A	N/A	N/A
I-134	Ci	1.56E-02	<1.00E-11	<1.00E-11	9.99E-03	N/A	N/A	N/A	N/A
I-135	Ci	2.53E-02	<1.00E-11	3.05E-03	1.08E-02	N/A	N/A	N/A	N/A
Total for Period	Ci	1.00E-01	1.32E-02	2.34E-02	4.73E-02	N/A	N/A	N/A	N/A
Tot I-131,I-	Ci	6.76E-02	1.32E-02	2.17E-02	3.43E-02	N/A	N/A	N/A	N/A
3. Particulates									
Sr-89	Ci	5.36E-04	2.48E-04	2.26E-04	2.06E-04	N/A	N/A	N/A	N/A
Sr-90	Ci	2.63E-05	<1.00E-11	<1.00E-11	<1.00E-11	N/A	N/A	N/A	N/A
Cs-134	Ci	<1.00E-11	<1.00E-11	<1.00E-11	<1.00E-11	N/A	N/A	N/A	N/A
Cs-137	Ci	<1.00E-11	<1.00E-11	<1.00E-11	<1.00E-11	N/A	N/A	N/A	N/A
Ba-140	Ci	2.30E-03	5.79E-05	<1.00E-11	1.17E-04	N/A	N/A	N/A	N/A
La-140	Ci	4.73E-03	1.08E-03	1.47E-03	1.53E-03	N/A	N/A	N/A	N/A
Cr-51	Ci	<1.00E-11	<1.00E-11	<1.00E-11	<1.00E-11	N/A	N/A	N/A	N/A
Mn-54	Ci	7.23E-05	<1.00E-11	<1.00E-11	<1.00E-11	N/A	N/A	N/A	N/A
Co-58	Ci	1.31E-04	<1.00E-11	<1.00E-11	<1.00E-11	N/A	N/A	N/A	N/A
Co-60	Ci	7.35E-04	7.69E-05	3.09E-04	9.74E-05	N/A	N/A	N/A	N/A
Zn-65	Ci	2.45E-03	<1.00E-11	2.96E-05	<1.00E-11	N/A	N/A	N/A	N/A
Mo-99	Ci	1.92E-03	<1.00E-11	<1.00E-11	<1.00E-11	N/A	N/A	N/A	N/A
Ag-110m	Ci	<1.00E-11	<1.00E-11	<1.00E-11	<1.00E-11	N/A	N/A	N/A	N/A
Ce-141	Ci	<1.00E-11	<1.00E-11	<1.00E-11	<1.00E-11	N/A	N/A	N/A	N/A
Ce-144	Ci	<1.00E-11	<1.00E-11	<1.00E-11	<1.00E-11	N/A	N/A	N/A	N/A
Total for Period	Ci	1.29E-02	1.46E-03	2.03E-03	1.95E-03	N/A	N/A	N/A	N/A
4. Tritium									
H-3 Total for	Ci	1.07E+01	1.38E+01	1.06E+01	8.65E+00	N/A	N/A	N/A	N/A
5. Gross Alpha									
Gross Alpha	Ci	<1.00E-11	<1.00E-11	<1.00E-11	<1.00E-11	N/A	N/A	N/A	N/A
6. Carbon-14									
C-14 Total for	Ci	4.59E+00	4.59E+00	4.60E+00	4.60E+00	N/A	N/A	N/A	N/A

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
GASSEOUS EFFLENTS GROUND RELEASE UNIT 1 AND UNIT 2

Nuclides Released		Continuous Mode				Batch Mode			
	Unit	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4
1. Fission									
Kr-85	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-04	<1.00E-04	N/A
Kr-85m	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-04	<1.00E-04	N/A
Kr-87	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-04	<1.00E-04	N/A
Kr-88	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-04	<1.00E-04	N/A
Xe-133	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-04	<1.00E-04	N/A
Xe-135	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-04	<1.00E-04	N/A
Xe-135m	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-04	<1.00E-04	N/A
Xe-138	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-04	<1.00E-04	N/A
Ar-41	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-04	<1.00E-04	N/A
Total for	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-04	<1.00E-04	N/A
2. Iodines									
I-131	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
I-132	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
I-133	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
I-134	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
I-135	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
Total for	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
Tot I-131,I-	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
3. Particulates									
Sr-89	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
Sr-90	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
Cs-134	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
Cs-137	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	4.62E-09	N/A
Ba-140	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
La-140	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
Cr-51	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
Mn-54	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
Co-58	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
Co-60	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	6.14E-08	N/A
Zn-65	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
Mo-99	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
Ag-110m	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
Ce-141	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
Ce-144	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
Total for	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	6.60E-08	N/A
4. Tritium									
H-3 Total for	Ci	N/A	N/A	N/A	N/A	N/A	2.37E-03	4.81E-03	N/A
5. Gross									
Gross Alpha	Ci	N/A	N/A	N/A	N/A	N/A	<1.00E-11	<1.00E-11	N/A
6. Carbon-14									
C-14 Total for	Ci	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
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	%	*	*	*	*	
E. Volume of Liquid Waste to Discharge	liters	0.00E+00	0.00E+00	0.00E+00	0.00E+00	N/A
F. Volume of Dilution Water	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 (2010)
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	<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

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
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 (Estimate)	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 (Estimate)	Ci	<5.00E-08	<5.00E-08	<5.00E-08	<5.00E-08
Sr-90 (Estimate)	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

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS
FIRST QUARTER

A. Solid Waste Shipped Offsite for Burial or Disposal (Not irradiated fuel)

1. Types of Waste

Types of Waste	Total Quantity (m^3)	Total Activity (Ci)	Period	Est. Total Error (%)
a. Spent resins, filter sludges, evaporator bottoms, etc	1.52E+01	3.57E+01	1Q10	+/-25%
b. Dry compressible waste, contaminated equip, etc	9.68E+02	7.14E-01	1Q10	+/-25%
c. Irradiated components, control rods, etc	None	None	1Q10	N/A
d. Other	None	None	1Q10	N/A

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

Major Nuclide Composition	Percent Abundance (≥1%)	Shipment Type(s)
a. Spent resins, filter sludges, evaporator bottoms, etc		
Mn-54	1.668%	LSA
Fe-55	53.445%	
Co-60	42.217%	
Zn-65	1.140%	
b. Dry compressible waste, contaminated equip, etc		
H-3	1.402%	LSA
Mn-54	3.500%	
Fe-55	50.244%	
Co-60	39.638%	
Zn-65	2.475%	
Cs-137	1.536%	
c. Irradiated components, control rods, etc		
None	N/A	
d. Other (describe)		
None	N/A	

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
1	Hittman Transport	Clive Disposal Facility (Bulk)
1	Hittman Transport	Clive Disposal Facility (Containerized)
17	Hittman Transport	Energy Solutions - Bear Creek

B. Irradiated Fuel Shipments (disposition)

Number of Shipments	Mode of Transportation	Destination
None	N/A	N/A

C. Changes to the Process Control Program

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

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS
SECOND QUARTER

A. Solid Waste Shipped Offsite for Burial or Disposal (Not irradiated fuel)

1. Types of Waste

Types of Waste	Total Quantity (m^3)	Total Activity (Ci)	Period	Est. Total Error (%)
a. Spent resins, filter sludges, evaporator bottoms, etc	3.41E+01	4.97E+00	2Q10	+/-25%
b. Dry compressible waste, contaminated equip, etc	7.41E+01	3.82E-01	2Q10	+/-25%
c. Irradiated components, control rods, etc	None	None	2Q10	N/A
d. Other (2 Oil/Water)	1.09E+01	1.25E-02	2Q10	+/-25%

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

Major Nuclide Composition	Percent Abundance (≥1%)	Shipment Type(s)
a. Spent resins, filter sludges, evaporator bottoms, etc		
Mn-54	1.325%	LSA
Fe-55	44.374%	
Co-60	47.614%	
Zn-65	2.330%	
Cs-137	2.022%	
b. Dry compressible waste, contaminated equip, etc		
Mn-54	3.398%	LSA
Fe-55	50.885%	
Co-60	40.529%	
Zn-65	2.362%	
Cs-137	1.584%	
c. Irradiated components, control rods, etc		
None	N/A	
d. Other (Water and Oil)		
H-3	52.239%	LSA
Mn-54	1.708%	
Fe-55	24.344%	
Co-60	19.172%	
Zn-65	1.212%	

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
3	Hittman Transport	Clive Disposal Facility (Bulk)
1	Hittman Transport	Clive Disposal Facility (Containerized)
4	Hittman Transport	Energy Solutions - Bear Creek

B. Irradiated Fuel Shipments (disposition)

Number of Shipments	Mode of Transportation	Destination
None	N/A	N/A

C. Changes to the Process Control Program

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

A. Solid Waste Shipped Offsite for Burial or Disposal (Not irradiated fuel)

1. Types of Waste

Types of Waste	Total Quantity (m^3)	Total Activity (Ci)	Period	Est. Total Error (%)
a. Spent resins, filter sludges, evaporator bottoms, etc	7.35E+01	1.79E+01	3Q10	+/-25%
b. Dry compressible waste, contaminated equip, etc	1.88E+02	8.43E-02	3Q10	+/-25%
c. Irradiated components, control rods, etc	None	None	3Q10	N/A
d. Other (describe)	None	None	3Q10	N/A

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

Major Nuclide Composition	Percent Abundance (≥1%)	Shipment Type(s)
a. Spent resins, filter sludges, evaporator bottoms, etc		
Mn-54	2.552%	LSA
Fe-55	50.770%	
Co-60	41.600%	
Zn-65	2.234%	
Cs-137	1.514%	
b. Dry compressible waste, contaminated equip, etc		
Mn-54	3.369%	LSA
Fe-55	50.796%	
Co-60	40.524%	
Zn-65	2.336%	
Cs-137	1.586%	
c. Irradiated components, control rods, etc		
None	N/A	
d. Other (describe)		
None	N/A	

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
7	Hittman Transport	Clive Disposal Facility (Bulk)
7	Hittman Transport	Energy Solutions - Bear Creek

B. Irradiated Fuel Shipments (disposition)

Number of Shipments	Mode of Transportation	Destination
None	N/A	N/A

C. Changes to the Process Control Program

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

A. Solid Waste Shipped Offsite for Burial or Disposal (Not irradiated fuel)

1. Types of Waste

Types of Waste	Total Quantity (m^3)	Total Activity (Ci)	Period	Est. Total Error %
a. Spent resins, filter sludges, evaporator bottoms, etc	1.81E+01	6.66E+00	4Q10	+/-25%
b. Dry compressible waste, contaminated equip, etc	1.30E+02	1.07E-01	4Q10	+/-25%
c. Irradiated components, control rods, etc	None	None	4Q10	N/A
d. Other (Water and Oil)	8.89E+00	1.23E-02	4Q10	+/-25%

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

Major Nuclide Composition	Percent Abundance (≥1%)	Shipment Type(s)
a. Spent resins, filter sludges, evaporator bottoms, etc		
Mn-54	3.299%	LSA
Fe-55	50.909%	
Co-60	40.324%	
Zn-65	2.658%	
Cs-137	1.474%	
b. Dry compressible waste, contaminated equip, etc		
Mn-54	3.565%	LSA
Fe-55	50.931%	
Co-60	40.134%	
Zn-65	2.526%	
Cs-137	1.554%	
c. Irradiated components, control rods, etc		
None	N/A	
d. Other (Water and Oil)		
H-3	52.277%	LSA
Mn-54	1.699%	
Fe-55	24.321%	
Co-60	19.174%	
Zn-65	1.203%	

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
2	Hittman Transport	Clive Disposal Facility (Bulk)
5	Hittman Transport	Energy Solutions - Bear Creek

B. Irradiated Fuel Shipments (disposition)

Number of Shipments	Mode of Transportation	Destination
None	N/A	N/A

C. Changes to the Process Control Program

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

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

AIRBORNE Effluents- 10CFR50 Listing 21-mar-2011 10:01:28

STATION: LASALLE STATION
UNIT: 1
PERIOD: 01/01/10 12/31/10
NAME: ODCMLAS
REPORT: ANNUAL
MODE: ACTUAL

The LaSalle County Nuclear Power Station maximum expected annual dose from Carbon-14 has been calculated using the maximum gross thermal capacity at full power operation. The resultant bounding doses are based upon site specific assumptions of source term.

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

LASALLE STATION UNIT ONE

ACTUAL 2010
MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 01/01/10 TO 12/31/10 CALCULATED 03/21/11
INFANT RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	1.26E-02	7.01E-03	7.75E-03	1.27E-02	4.01E-02
(MRAD)	(WSW)	(WSW)	(WSW)	(WSW)	(WSW)
BETA AIR	3.97E-04	2.55E-04	2.24E-04	3.62E-04	1.24E-03
(MRAD)	(ESE)	(ESE)	(ESE)	(ESE)	(ESE)
TOT. BODY	9.56E-03	5.30E-03	5.86E-03	9.63E-03	3.03E-02
(MREM)	(WSW)	(WSW)	(WSW)	(WSW)	(WSW)
SKIN	1.01E-02	5.59E-03	6.15E-03	1.01E-02	3.19E-02
(MREM)	(WSW)	(WSW)	(WSW)	(WSW)	(WSW)
ORGAN	3.85E-02	3.79E-02	3.81E-02	3.79E-02	1.52E-01
(MREM)	(ESE)	(ESE)	(ESE)	(ESE)	(ESE)
	BONE	BONE	BONE	BONE	BONE

THIS IS A REPORT FOR THE CALENDAR YEAR 2010

COMPLIANCE STATUS - 10CFR 50 APP. I
INFANT RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
		---------- % OF APP I. ----------					
GAMMA AIR (MRAD)	5.0	0.25	0.14	0.16	0.25	10.0	0.40
BETA AIR (MRAD)	10.0	0.00	0.00	0.00	0.00	20.0	0.01
TOT. BODY (MREM)	2.5	0.38	0.21	0.23	0.39	5.0	0.61
SKIN (MREM)	7.5	0.13	0.07	0.08	0.13	15.0	0.21
ORGAN (MREM)	7.5	0.51	0.51	0.51	0.51	15.0	1.02
		BONE	BONE	BONE	BONE		BONE

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

LASALLE STATION UNIT ONE

ACTUAL 2010
MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 01/01/10 TO 12/31/10 CALCULATED 03/21/11
CHILD RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	1.26E-02	7.01E-03	7.75E-03	1.27E-02	4.01E-02
(MRAD)	(WSW)	(WSW)	(WSW)	(WSW)	(WSW)
BETA AIR	3.97E-04	2.55E-04	2.24E-04	3.62E-04	1.24E-03
(MRAD)	(ESE)	(ESE)	(ESE)	(ESE)	(ESE)
TOT. BODY	9.56E-03	5.30E-03	5.86E-03	9.63E-03	3.03E-02
(MREM)	(WSW)	(WSW)	(WSW)	(WSW)	(WSW)
SKIN	1.01E-02	5.59E-03	6.15E-03	1.01E-02	3.19E-02
(MREM)	(WSW)	(WSW)	(WSW)	(WSW)	(WSW)
ORGAN	3.42E-02	1.13E-01	1.53E-01	7.34E-02	3.74E-01
(MREM)	(NNE)	(NNE)	(NNE)	(NNE)	(NNE)
	BONE	BONE	BONE	BONE	BONE

THIS IS A REPORT FOR THE CALENDAR YEAR 2010

COMPLIANCE STATUS - 10CFR 50 APP. I
CHILD RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
		---------- % OF APP I. ----------					
GAMMA AIR (MRAD)	5.0	0.25	0.14	0.16	0.25	10.0	0.40
BETA AIR (MRAD)	10.0	0.00	0.00	0.00	0.00	20.0	0.01
TOT. BODY (MREM)	2.5	0.38	0.21	0.23	0.39	5.0	0.61
SKIN (MREM)	7.5	0.13	0.07	0.08	0.13	15.0	0.21
ORGAN (MREM)	7.5	0.46	1.51	2.04	0.98	15.0	2.49
		BONE	BONE	BONE	BONE		BONE

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

LASALLE STATION UNIT ONE

ACTUAL 2010
MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 01/01/10 TO 12/31/10 CALCULATED 03/21/11
TEENAGER RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	1.26E-02	7.01E-03	7.75E-03	1.27E-02	4.01E-02
(MRAD)	(WSW)	(WSW)	(WSW)	(WSW)	(WSW)
BETA AIR	3.97E-04	2.55E-04	2.24E-04	3.62E-04	1.24E-03
(MRAD)	(ESE)	(ESE)	(ESE)	(ESE)	(ESE)
TOT. BODY	9.56E-03	5.30E-03	5.86E-03	9.63E-03	3.03E-02
(MREM)	(WSW)	(WSW)	(WSW)	(WSW)	(WSW)
SKIN	1.01E-02	5.59E-03	6.15E-03	1.01E-02	3.19E-02
(MREM)	(WSW)	(WSW)	(WSW)	(WSW)	(WSW)
ORGAN	1.66E-02	4.90E-02	6.56E-02	3.25E-02	1.64E-01
(MREM)	(NNE)	(NNE)	(NNE)	(NNE)	(NNE)
	BONE	BONE	BONE	BONE	BONE

THIS IS A REPORT FOR THE CALENDAR YEAR 2010

COMPLIANCE STATUS - 10CFR 50 APP. I
TEENAGER RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
		---------- % OF APP I. ----------					
GAMMA AIR (MRAD)	5.0	0.25	0.14	0.16	0.25	10.0	0.40
BETA AIR (MRAD)	10.0	0.00	0.00	0.00	0.00	20.0	0.01
TOT. BODY (MREM)	2.5	0.38	0.21	0.23	0.39	5.0	0.61
SKIN (MREM)	7.5	0.13	0.07	0.08	0.13	15.0	0.21
ORGAN (MREM)	7.5	0.22	0.65	0.88	0.43	15.0	1.09
		BONE	BONE	BONE	BONE		BONE

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

LASALLE STATION UNIT ONE

ACTUAL 2010
MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 01/01/10 TO 12/31/10 CALCULATED 03/21/11
ADULT RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	1.26E-02	7.01E-03	7.75E-03	1.27E-02	4.01E-02
(MRAD)	(WSW)	(WSW)	(WSW)	(WSW)	(WSW)
BETA AIR	3.97E-04	2.55E-04	2.24E-04	3.62E-04	1.24E-03
(MRAD)	(ESE)	(ESE)	(ESE)	(ESE)	(ESE)
TOT. BODY	9.56E-03	5.30E-03	5.86E-03	9.63E-03	3.03E-02
(MREM)	(WSW)	(WSW)	(WSW)	(WSW)	(WSW)
SKIN	1.01E-02	5.59E-03	6.15E-03	1.01E-02	3.19E-02
(MREM)	(WSW)	(WSW)	(WSW)	(WSW)	(WSW)
ORGAN	1.55E-02	3.53E-02	4.56E-02	2.51E-02	1.21E-01
(MREM)	(NNE)	(NNE)	(NNE)	(NNE)	(NNE)
	BONE	BONE	BONE	BONE	BONE

THIS IS A REPORT FOR THE CALENDAR YEAR 2010

COMPLIANCE STATUS - 10CFR 50 APP. I
ADULT RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
		---------- % OF APP I. ----------					
GAMMA AIR (MRAD)	5.0	0.25	0.14	0.16	0.25	10.0	0.40
BETA AIR (MRAD)	10.0	0.00	0.00	0.00	0.00	20.0	0.01
TOT. BODY (MREM)	2.5	0.38	0.21	0.23	0.39	5.0	0.61
SKIN (MREM)	7.5	0.13	0.07	0.08	0.13	15.0	0.21
ORGAN (MREM)	7.5	0.21	0.47	0.61	0.33	15.0	0.81
		BONE	BONE	BONE	BONE		BONE

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

AQUATIC Effluents- 10CFR50 Listing 21-mar-2011 10:16:16

STATION: LASALLE STATION
UNIT: 1
PERIOD: 01/01/10 12/31/10
NAME: ODCMLAS
REPORT: ANNUAL
MODE: ACTUAL

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

LASALLE STATION UNIT ONE

ACTUAL 2010
MAXIMUM DOSES (MREM) RESULTING FROM AQUATIC EFFLUENTS
PERIOD OF RELEASE - 01/01/10 TO 12/31/10 CALCULATED 03/21/11
INFANT RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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 2010

COMPLIANCE STATUS - 10 CFR 50 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
	---------- % 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

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

LASALLE STATION UNIT ONE

2010 ANNUAL REPORT
PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 01/01/10 TO 12/31/10 CALCULATED 03/21/11
INFANT RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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 2010

COMPLIANCE STATUS - 40 CFR 141

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

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

LASALLE STATION UNIT ONE

ACTUAL 2010
MAXIMUM DOSES (MREM) RESULTING FROM AQUATIC EFFLUENTS
PERIOD OF RELEASE - 01/01/10 TO 12/31/10 CALCULATED 03/21/11
CHILD RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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 2010

COMPLIANCE STATUS - 10 CFR 50 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
	---------- % 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

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

LASALLE STATION UNIT ONE

2010 ANNUAL REPORT
PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 01/01/10 TO 12/31/10 CALCULATED 03/21/11
CHILD RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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 2010

COMPLIANCE STATUS - 40 CFR 141

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

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

LASALLE STATION UNIT ONE

ACTUAL 2010
MAXIMUM DOSES (MREM) RESULTING FROM AQUATIC EFFLUENTS
PERIOD OF RELEASE - 01/01/10 TO 12/31/10 CALCULATED 03/21/11
TEENAGER RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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 2010

COMPLIANCE STATUS - 10 CFR 50 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
		---------- % 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

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

LASALLE STATION UNIT ONE

2010 ANNUAL REPORT
PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 01/01/10 TO 12/31/10 CALCULATED 03/21/11
TEENAGER RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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 2010

COMPLIANCE STATUS - 40 CFR 141

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

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

LASALLE STATION UNIT ONE

ACTUAL 2010
MAXIMUM DOSES (MREM) RESULTING FROM AQUATIC EFFLUENTS
PERIOD OF RELEASE - 01/01/10 TO 12/31/10 CALCULATED 03/21/11
ADULT RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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 2010

COMPLIANCE STATUS - 10 CFR 50 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
	---------- % 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

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

LASALLE STATION UNIT ONE

2010 ANNUAL REPORT
PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 01/01/10 TO 12/31/10 CALCULATED 03/21/11
ADULT RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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 2010

COMPLIANCE STATUS - 40 CFR 141

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

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

21-mar-2011 10:18:01

Total Effective Dose Equivalent - 10CFR20 Listing

STATION: LASALLE STATION
UNIT: 1
PERIOD: 01/01/10 12/31/10
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 01/01/10 to 12/31/10
Aquatic Effluents are complete from 01/01/10 to 12/31/10
Skyshine entries are complete from 01/01/10 to 12/31/10

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

LASALLE STATION UNIT ONE

10 CFR 20 COMPLIANCE ASSESSMENT

PERIOD OF ASSESSMENT 01/01/10 TO 12/31/10

CALCULATED 03/21/11

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

Total Effective Dose Eqivalent,	mrem/yr	4.83E-01
10 CFR 20.1301 (a)(1) limit	mrem/yr	100.0
	% of limit	0.48

Compliance Summary - 10CFR20

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	% of Limit
TEDE	8.91E-02	1.29E-01	1.37E-01	1.28E-01	0.48

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

LASALLE STATION UNIT ONE

10 CFR 20 COMPLIANCE ASSESSMENT

PERIOD OF ASSESSMENT 01/01/10 TO 12/31/10

CALCULATED 03/21/11

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

		Dose (mrem)	Limit (mrem)	% of Limit
Whole Body	Plume	3.03E-02		
(DDE)	Skyshine	3.26E-01		
	ISFSI	2.94E-02		
	Ground	9.83E-04		
	Total	3.86E-01	25.0	1.54
Organ Dose	Thyroid	1.10E-01	75.0	0.15
(CDE)	Gonads	9.63E-02	25.0	0.39
	Breast	9.62E-02	25.0	0.38
	Lung	9.62E-02	25.0	0.38
	Marrow	9.63E-02	25.0	0.39
	Bone	9.63E-02	25.0	0.39
	Remainder	9.63E-02	25.0	0.39
	CEDE	9.67E-02		
	TEDE	4.83E-01	100.0	0.48

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

21-mar-2011 10:19:26

Total Effective Dose Equivalent - 10CFR20 Listing

STATION: LASALLE STATION
UNIT: 2
PERIOD: 01/01/10 12/31/10
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 01/01/10 to 12/31/10

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

LASALLE STATION UNIT TWO

10 CFR 20 COMPLIANCE ASSESSMENT

PERIOD OF ASSESSMENT 01/01/10 TO 12/31/10

CALCULATED 03/21/11

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

Total Effective Dose Eqivalent,	mrem/yr	3.81E-01
10 CFR 20.1301 (a)(1) limit	mrem/yr	100.0
	% of limit	0.38

Compliance Summary - 10CFR20

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	% of Limit
TEDE	9.56E-02	9.51E-02	9.39E-02	9.70E-02	0.38

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2010)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

LASALLE STATION UNIT TWO

10 CFR 20 COMPLIANCE ASSESSMENT

PERIOD OF ASSESSMENT 01/01/10 TO 12/31/10

CALCULATED 03/21/11

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

		Dose (mrem)	Limit (mrem)	% of Limit
Whole Body	Plume	0.00E+00		
(DDE)	Skyshine	3.52E-01		
	ISFSI	2.94E-02		
	Ground	0.00E+00		
	Total	3.81E-01	25.0	1.52
Organ Dose	Thyroid	0.00E+00	75.0	0.00
(CDE)	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	3.81E-01	100.0	0.38

LaSalle County Generating Station

Period of Record: January - March 2010
Stability Class - Extremely Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	2	2	1	0	0	5
NNE	0	3	8	12	2	0	25
NE	0	0	3	8	0	0	11
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	1	1	4	0	0	0	6
SSE	0	1	0	0	0	0	1
S	2	1	0	0	0	0	3
SSW	1	0	0	3	1	0	5
SW	0	0	0	1	0	0	1
WSW	0	0	0	5	0	0	5
W	0	0	0	3	1	0	4
WNW	0	0	1	0	0	0	1
NW	0	0	1	0	0	0	1
NNW	0	0	4	0	0	0	4
Variable	0	0	0	0	0	0	0
Total	4	10	27	33	4	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: 3

LaSalle County Generating Station

Period of Record: January - March 2010
Stability Class - Moderately Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	2	0	0	0	0	2
NNE	0	0	23	21	0	0	44
NE	0	1	6	6	0	0	13
ENE	0	0	1	1	1	0	3
E	0	1	1	0	0	0	2
ESE	0	1	6	0	0	0	7
SE	0	4	0	0	0	0	4
SSE	0	0	1	0	0	0	1
S	0	0	1	5	0	0	6
SSW	0	0	0	0	2	0	2
SW	0	0	1	0	0	0	1
WSW	0	0	0	2	1	0	3
W	0	0	2	2	0	0	4
WNW	0	0	1	0	0	0	1
NW	0	0	2	0	0	0	2
NNW	0	1	1	0	0	0	2
Variable	0	0	0	0	0	0	0
Total	0	10	46	37	4	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: 3

LaSalle County Generating Station

Period of Record: January - March 2010
Stability Class - Slightly Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	4	3	1	0	0	8
NNE	0	0	6	5	0	0	11
NE	0	0	1	9	0	0	10
ENE	0	0	0	5	0	0	5
E	0	1	8	5	0	0	14
ESE	0	1	7	10	0	0	18
SE	0	1	1	1	0	0	3
SSE	0	0	1	0	0	0	1
S	0	1	1	4	0	0	6
SSW	1	2	0	1	0	0	4
SW	0	0	2	3	0	0	5
WSW	0	0	4	7	1	0	12
W	0	1	20	8	2	0	31
WNW	0	2	4	1	0	0	7
NW	0	0	0	1	0	0	1
NNW	1	4	1	0	0	0	6
Variable	0	0	0	0	0	0	0
Total	2	17	59	61	3	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: 3

LaSalle County Generating Station

Period of Record: January - March 2010
Stability Class - Neutral - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	2	55	34	2	0	0	93
NNE	0	26	45	27	2	0	100
NE	0	9	10	10	3	0	32
ENE	1	7	9	28	1	0	46
E	1	14	28	11	11	0	65
ESE	1	13	25	8	0	0	47
SE	5	14	9	6	0	0	34
SSE	0	7	2	2	0	0	11
S	4	11	3	4	1	0	23
SSW	1	6	3	2	1	0	13
SW	5	8	12	5	0	0	30
WSW	5	15	16	6	0	0	42
W	0	22	50	26	14	2	114
WNW	1	13	83	68	5	0	170
NW	1	20	35	24	0	0	80
NNW	0	31	42	39	11	0	123
Variable	0	0	0	0	0	0	0
Total	27	271	406	268	49	2	1023

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: 3

LaSalle County Generating Station

Period of Record: January - March 2010
Stability Class - Slightly Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	1	15	6	0	0	0	22
NNE	1	14	14	2	0	0	31
NE	2	2	4	1	0	0	9
ENE	0	1	12	2	0	0	15
E	1	16	16	1	1	0	35
ESE	0	8	8	3	0	0	19
SE	1	8	9	8	0	0	26
SSE	1	5	4	1	0	0	11
S	1	4	2	3	0	0	10
SSW	2	6	2	11	1	0	22
SW	2	4	3	9	2	0	20
WSW	1	3	2	1	0	0	7
W	1	12	34	1	7	1	56
WNW	0	14	57	11	1	0	83
NW	0	7	33	2	0	0	42
NNW	2	9	21	1	0	0	33
Variable	0	0	0	0	0	0	0
Total	16	128	227	57	12	1	441

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

LaSalle County Generating Station

Period of Record: January - March 2010
Stability Class - Moderately Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	2	6	0	0	0	0	8
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	2	0	0	0	2
E	0	6	9	0	0	0	15
ESE	0	6	8	1	0	0	15
SE	0	7	2	0	0	0	9
SSE	2	4	1	3	0	0	10
S	0	1	1	7	0	0	9
SSW	0	1	3	15	3	0	22
SW	0	0	8	1	2	0	11
WSW	1	4	9	2	0	0	16
W	0	14	33	0	0	0	47
WNW	0	26	31	0	0	0	57
NW	0	6	11	0	0	0	17
NNW	0	4	1	0	0	0	5
Variable	0	0	0	0	0	0	0
Total	5	85	119	29	5	0	243

Hours of calm in this stability class: 1
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2010
Stability Class - Extremely Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	2	3	0	0	0	5
ESE	0	4	1	0	0	0	5
SE	0	8	4	0	0	0	12
SSE	0	6	0	0	0	0	6
S	0	2	1	0	0	0	3
SSW	0	0	9	1	0	0	10
SW	0	0	1	1	0	0	2
WSW	0	1	6	1	0	0	8
W	0	10	24	0	0	0	34
WNW	0	13	29	0	0	0	42
NW	1	2	0	0	0	0	3
NNW	1	0	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	2	48	78	3	0	0	131

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

LaSalle County Generating Station

Period of Record: January - March 2010
Stability Class - Extremely Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	2	2
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	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	2	2

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 2
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2010
Stability Class - Moderately Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	1	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	1	1	2
ENE	0	0	0	0	0	0	0
E	0	0	0	0	1	1	2
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	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	1	2	2	5

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 2
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2010
Stability Class - Slightly Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	3	0	0	3
NNE	0	0	0	2	2	0	4
NE	0	0	0	5	3	3	11
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	1	1
ESE	0	0	0	0	0	0	0
SE	0	1	1	1	0	0	3
SSE	0	0	0	0	0	0	0
S	1	0	0	0	3	0	4
SSW	0	0	0	0	3	2	5
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	2	1	3
W	0	0	0	0	5	0	5
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	1	1	11	18	7	39

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

LaSalle County Generating Station

Period of Record: January - March 2010
Stability Class - Neutral - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	6	40	35	2	4	87
NNE	0	14	46	52	61	12	185
NE	0	3	5	26	33	10	77
ENE	1	7	5	17	21	3	54
E	2	10	14	15	10	2	53
ESE	1	7	15	17	11	0	51
SE	0	3	20	19	9	3	54
SSE	1	1	12	6	0	0	20
S	3	9	5	6	5	0	28
SSW	3	2	5	5	2	4	21
SW	4	6	13	2	3	4	32
WSW	2	5	8	22	10	2	49
W	0	8	14	28	25	13	88
WNW	0	6	30	74	22	8	140
NW	0	5	27	40	55	11	138
NNW	0	5	13	32	7	15	72
Variable	0	0	0	0	0	0	0
Total	17	97	272	396	276	91	1149

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 110
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2010
Stability Class - Slightly Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	1	2	6	18	6	0	33
NNE	0	4	14	9	1	3	31
NE	0	3	4	9	3	3	22
ENE	0	1	4	2	0	0	7
E	1	2	14	10	12	4	43
ESE	0	3	5	1	0	2	11
SE	0	1	3	8	6	18	36
SSE	1	3	9	5	1	7	26
S	0	5	2	4	2	12	25
SSW	1	3	3	0	3	11	21
SW	3	5	2	4	8	13	35
WSW	1	3	0	3	4	0	11
W	1	3	6	7	7	10	34
WNW	1	2	10	40	17	5	75
NW	1	9	11	27	31	8	87
NNW	0	2	1	22	22	4	51
Variable	0	0	0	0	0	0	0
Total	11	51	94	169	123	100	548

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: 3

LaSalle County Generating Station

Period of Record: January - March 2010
Stability Class - Moderately Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	5	7	2	14
NNE	0	0	1	0	0	0	1
NE	0	3	0	0	1	0	4
ENE	0	1	0	0	0	0	1
E	0	0	0	3	4	0	7
ESE	0	0	0	2	4	0	6
SE	0	1	1	6	9	5	22
SSE	0	0	0	2	0	5	7
S	0	0	1	3	1	0	5
SSW	0	0	0	0	1	6	7
SW	0	0	1	2	2	17	22
WSW	0	0	0	0	8	1	9
W	0	1	1	2	3	1	8
WNW	0	1	6	11	3	0	21
NW	1	1	9	19	14	0	44
NNW	0	2	3	8	10	0	23
Variable	0	0	0	0	0	0	0
Total	1	10	23	63	67	37	201

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

LaSalle County Generating Station

Period of Record: January - March 2010
Stability Class - Extremely Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	1	7	2	7	0	17
NNE	0	1	1	0	0	0	2
NE	0	0	2	0	0	0	2
ENE	0	1	0	0	0	0	1
E	0	1	0	0	0	0	1
ESE	0	0	0	0	1	0	1
SE	0	0	0	0	1	0	1
SSE	0	0	0	2	2	2	6
S	0	0	0	4	6	0	10
SSW	0	0	0	0	1	0	1
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	2	0	2
W	0	0	0	4	3	0	7
WNW	0	0	0	2	0	0	2
NW	0	0	1	13	2	0	16
NNW	1	0	3	17	1	1	23
Variable	0	0	0	0	0	0	0
Total	1	4	14	44	26	3	92

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

LaSalle County Generating Station

Period of Record: April - June 2010
Stability Class - Extremely Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	1	0	0	0	1
NE	0	0	0	1	0	0	1
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	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	3	5	9
SSW	0	0	0	2	2	5	9
SW	0	0	1	0	4	1	6
WSW	0	0	0	0	0	0	0
W	0	0	1	0	0	0	1
WNW	0	0	1	6	0	0	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	4	10	9	11	34

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 County Generating Station

Period of Record: April - June 2010
Stability Class - Moderately Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	2	0	0	0	2
NE	0	0	1	1	0	0	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	1	0	1	2	4
SSW	0	0	5	4	0	1	10
SW	0	0	8	4	2	0	14
WSW	0	0	6	1	2	0	9
W	0	0	5	7	0	0	12
WNW	0	0	4	5	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	32	22	5	3	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 County Generating Station

Period of Record: April - June 2010
Stability Class - Slightly Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	7	1	0	0	8
NNE	0	0	5	0	0	0	5
NE	0	0	3	6	0	0	9
ENE	0	0	1	2	0	0	3
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	5	5	4	2	17
SSW	0	0	5	3	1	2	11
SW	0	1	4	4	2	0	11
WSW	0	0	5	5	2	0	12
W	0	1	7	9	0	0	17
WNW	0	0	4	5	1	0	10
NW	0	2	0	3	0	0	5
NNW	0	3	0	6	1	0	10
Variable	0	0	0	0	0	0	0
Total	0	8	46	49	11	4	118

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 County Generating Station

Period of Record: April - June 2010
Stability Class - Neutral - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	3	42	18	8	0	0	71
NNE	1	29	18	7	0	0	55
NE	1	25	34	24	1	0	85
ENE	2	19	26	32	9	0	88
E	1	25	21	16	2	0	65
ESE	1	10	14	16	19	6	66
SE	1	15	10	15	4	0	45
SSE	2	13	18	6	2	1	42
S	1	14	21	8	5	2	51
SSW	1	13	16	12	10	3	55
SW	1	12	29	14	2	0	58
WSW	2	12	13	10	2	0	39
W	0	16	24	17	7	0	64
WNW	2	14	23	24	5	0	68
NW	1	9	12	11	6	0	39
NNW	2	19	15	23	0	0	59
Variable	0	0	0	0	0	0	0
Total	22	287	312	243	74	12	950

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 County Generating Station

Period of Record: April - June 2010
Stability Class - Slightly Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	3	24	6	1	0	0	34
NNE	0	23	4	0	0	0	27
NE	3	4	11	1	0	0	19
ENE	0	6	17	18	0	0	41
E	3	26	44	16	3	0	92
ESE	3	7	17	4	8	0	39
SE	1	2	5	4	3	0	15
SSE	2	2	10	3	0	0	17
S	1	4	13	19	2	0	39
SSW	3	9	15	13	6	1	47
SW	0	7	24	13	1	0	45
WSW	2	10	24	3	0	0	39
W	1	7	24	7	5	2	46
WNW	0	14	16	0	8	2	40
NW	3	7	8	2	0	0	20
NNW	1	10	9	2	0	0	22
Variable	0	0	0	0	0	0	0
Total	26	162	247	106	36	5	582

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 County Generating Station

Period of Record: April - June 2010
Stability Class - Moderately Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	1	11	1	0	0	0	13
NNE	0	2	0	0	0	0	2
NE	1	0	0	0	0	0	1
ENE	1	1	1	0	0	0	3
E	4	14	19	1	0	0	38
ESE	0	18	10	0	0	0	28
SE	1	8	10	0	0	0	19
SSE	0	9	10	3	0	0	22
S	0	18	9	8	0	0	35
SSW	2	5	6	12	0	0	25
SW	2	11	17	2	0	0	32
WSW	1	10	14	0	0	0	25
W	1	14	9	0	0	0	24
WNW	1	16	6	0	0	0	23
NW	1	5	0	0	0	0	6
NNW	2	6	0	0	0	0	8
Variable	0	0	0	0	0	0	0
Total	18	148	112	26	0	0	304

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

LaSalle County Generating Station

Period of Record: April - June 2010
Stability Class - Extremely Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	4	0	0	0	0	4
NNE	0	0	0	0	0	0	0
NE	0	1	0	0	0	0	1
ENE	0	0	0	0	0	0	0
E	0	2	0	0	0	0	2
ESE	0	10	0	0	0	0	10
SE	2	10	4	0	0	0	16
SSE	0	9	6	0	0	0	15
S	0	5	8	1	0	0	14
SSW	1	4	12	0	0	0	17
SW	0	7	10	0	0	0	17
WSW	2	10	6	0	0	0	18
W	1	9	3	0	0	0	13
WNW	0	5	1	0	0	0	6
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	6	76	50	1	0	0	133

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

LaSalle County Generating Station

Period of Record: April - June 2010
Stability Class - Extremely Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

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

Period of Record: April - June 2010
Stability Class - Moderately Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	1	1	0	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	4	4
SSW	0	0	0	0	1	3	4
SW	0	0	0	0	0	1	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	2	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: 0

LaSalle County Generating Station

Period of Record: April - June 2010
Stability Class - Slightly Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	1	0	0	1
NE	0	0	0	1	2	0	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	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	4	4
SSW	0	0	0	1	3	6	10
SW	0	0	0	1	2	5	8
WSW	0	0	0	0	0	2	2
W	0	0	0	0	0	0	0
WNW	0	0	0	1	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	0	0	0	5	7	17	29

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

LaSalle County Generating Station

Period of Record: April - June 2010
Stability Class - Neutral - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	14	15	9	14	1	53
NNE	2	13	35	15	8	0	73
NE	0	15	23	35	19	6	98
ENE	0	12	21	30	28	10	101
E	0	9	20	13	19	7	68
ESE	1	17	11	10	18	25	82
SE	1	6	5	14	13	14	53
SSE	3	2	19	10	1	2	37
S	1	7	19	17	5	10	59
SSW	0	7	20	16	10	23	76
SW	0	7	30	17	20	9	83
WSW	1	10	12	21	17	4	65
W	0	9	19	23	16	7	74
WNW	0	5	22	22	30	3	82
NW	2	7	11	18	23	13	74
NNW	1	12	17	11	20	2	63
Variable	0	0	0	0	0	0	0
Total	12	152	299	281	261	136	1141

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 County Generating Station

Period of Record: April - June 2010
Stability Class - Slightly Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	1	3	2	11	1	1	19
NNE	0	4	3	18	6	0	31
NE	0	8	17	16	1	0	42
ENE	0	10	19	22	10	0	61
E	1	4	16	22	10	8	61
ESE	0	2	6	15	14	11	48
SE	0	2	3	9	8	7	29
SSE	0	0	3	5	1	6	15
S	1	3	3	13	8	22	50
SSW	1	0	4	13	10	39	67
SW	1	2	11	14	29	11	68
WSW	0	2	11	24	8	2	47
W	2	4	9	21	24	4	64
WNW	1	2	5	12	14	22	56
NW	0	3	12	12	16	0	43
NNW	2	7	1	11	3	1	25
Variable	0	0	0	0	0	0	0
Total	10	56	125	238	163	134	726

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 County Generating Station

Period of Record: April - June 2010
Stability Class - Moderately Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	3	7	0	0	0	10
NNE	0	1	4	2	2	0	9
NE	1	1	2	2	0	0	6
ENE	0	0	0	1	0	0	1
E	0	1	2	1	2	1	7
ESE	0	1	4	4	8	1	18
SE	0	0	3	7	8	6	24
SSE	0	2	2	7	5	4	20
S	1	2	2	15	10	0	30
SSW	2	1	1	9	7	3	23
SW	1	2	3	7	1	6	20
WSW	0	1	3	3	5	2	14
W	1	5	8	11	3	0	28
WNW	0	0	2	7	2	0	11
NW	0	0	0	4	2	0	6
NNW	3	0	1	5	0	0	9
Variable	0	0	0	0	0	0	0
Total	9	20	44	85	55	23	236

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 County Generating Station

Period of Record: April - June 2010
Stability Class - Extremely Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

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

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

LaSalle County Generating Station

Period of Record: July - September 2010
Stability Class - Extremely Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	1	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	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	0	0	1
SSW	0	0	5	8	0	0	13
SW	0	0	3	0	1	0	4
WSW	0	0	5	4	1	2	12
W	0	0	3	0	0	0	3
WNW	0	0	2	10	0	0	12
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	0	18	25	2	2	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

LaSalle County Generating Station

Period of Record: July - September 2010
Stability Class - Moderately Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	1	0	0	1
NNE	0	1	1	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	3	1	0	0	5
SSW	0	4	12	5	1	0	22
SW	0	5	8	7	2	0	22
WSW	0	2	5	3	1	1	12
W	0	1	8	1	0	0	10
WNW	0	1	12	5	0	0	18
NW	0	0	2	4	0	0	6
NNW	0	1	2	1	0	0	4
Variable	0	0	0	0	0	0	0
Total	0	16	53	28	4	1	102

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

LaSalle County Generating Station

Period of Record: July - September 2010
Stability Class - Slightly Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	4	5	0	0	0	9
NNE	0	11	1	0	0	0	12
NE	0	3	2	0	0	0	5
ENE	0	0	0	0	0	0	0
E	0	1	2	0	0	0	3
ESE	0	0	0	1	0	0	1
SE	0	0	0	0	0	0	0
SSE	0	2	3	0	0	0	5
S	0	6	16	6	0	0	28
SSW	0	10	10	3	1	0	24
SW	0	9	11	4	0	0	24
WSW	0	3	2	2	0	0	7
W	0	10	5	2	1	0	18
WNW	0	7	13	8	0	0	28
NW	0	2	7	2	0	0	11
NNW	0	0	9	6	0	0	15
Variable	0	0	0	0	0	0	0
Total	0	68	86	34	2	0	190

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

LaSalle County Generating Station

Period of Record: July - September 2010
Stability Class - Neutral - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	2	35	10	0	0	0	47
NNE	3	22	10	0	0	0	35
NE	3	18	13	0	0	0	34
ENE	0	15	16	2	0	0	33
E	1	15	17	5	0	0	38
ESE	2	12	9	6	0	0	29
SE	3	15	6	0	0	0	24
SSE	5	11	20	0	0	0	36
S	4	19	33	14	1	0	71
SSW	0	21	21	11	0	0	53
SW	4	19	13	6	3	0	45
WSW	3	20	10	9	1	0	43
W	4	23	14	9	7	1	58
WNW	1	21	24	10	3	0	59
NW	0	16	19	4	0	0	39
NNW	0	18	25	8	0	0	51
Variable	0	0	0	0	0	0	0
Total	35	300	260	84	15	1	695

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 County Generating Station

Period of Record: July - September 2010
Stability Class - Slightly Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	1	33	12	0	0	0	46
NNE	1	14	2	0	0	0	17
NE	3	4	5	0	0	0	12
ENE	3	5	12	3	0	0	23
E	0	20	20	0	0	0	40
ESE	2	13	3	0	0	0	18
SE	3	14	7	0	0	0	24
SSE	5	8	12	0	0	0	25
S	5	13	48	9	1	0	76
SSW	1	23	32	13	7	1	77
SW	2	13	11	8	2	0	36
WSW	2	13	10	3	0	0	28
W	5	14	11	5	8	4	47
WNW	5	17	16	7	1	0	46
NW	2	6	8	0	0	0	16
NNW	3	9	16	0	0	0	28
Variable	0	0	0	0	0	0	0
Total	43	219	225	48	19	5	559

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

LaSalle County Generating Station

Period of Record: July - September 2010
Stability Class - Moderately Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	3	19	0	0	0	0	22
NNE	1	3	0	0	0	0	4
NE	1	1	0	0	0	0	2
ENE	1	0	1	0	0	0	2
E	3	21	9	0	0	0	33
ESE	6	19	0	0	0	0	25
SE	5	28	2	0	0	0	35
SSE	0	20	4	0	0	0	24
S	5	31	11	0	0	0	47
SSW	2	19	21	1	1	0	44
SW	3	11	3	1	1	0	19
WSW	2	11	11	1	0	0	25
W	7	8	10	0	0	0	25
WNW	4	31	6	0	0	0	41
NW	1	5	0	0	0	0	6
NNW	1	4	2	0	0	0	7
Variable	0	0	0	0	0	0	0
Total	45	231	80	3	2	0	361

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 County Generating Station

Period of Record: July - September 2010
Stability Class - Extremely Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	4	2	0	0	0	6
ESE	0	8	0	0	0	0	8
SE	5	21	0	0	0	0	26
SSE	1	36	0	0	0	0	37
S	1	37	2	0	0	0	40
SSW	0	39	8	0	0	0	47
SW	0	21	9	0	0	0	30
WSW	1	21	7	0	0	0	29
W	2	11	5	0	0	0	18
WNW	0	10	1	0	0	0	11
NW	0	1	0	0	0	0	1
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	10	209	34	0	0	0	253

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 County Generating Station

Period of Record: July - September 2010
Stability Class - Extremely Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	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

LaSalle County Generating Station

Period of Record: July - September 2010
Stability Class - Moderately Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	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	0	0	0	0	0
WSW	0	0	0	1	0	1	2
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	1	1	3

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 County Generating Station

Period of Record: July - September 2010
Stability Class - Slightly Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	1	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	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	1	0	1
SSW	0	0	1	4	4	0	9
SW	0	0	1	2	0	1	4
WSW	0	0	1	3	0	4	8
W	0	0	4	2	0	0	6
WNW	0	0	2	4	0	0	6
NW	0	0	0	2	0	0	2
NNW	0	0	0	2	0	0	2
Variable	0	0	0	0	0	0	0
Total	0	0	9	19	6	5	39

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

LaSalle County Generating Station

Period of Record: July - September 2010
Stability Class - Neutral - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	10	20	13	4	0	47
NNE	2	17	24	7	0	0	50
NE	0	4	30	14	0	0	48
ENE	0	9	11	13	2	0	35
E	1	10	16	6	1	0	34
ESE	1	12	9	12	0	0	34
SE	4	10	9	5	0	0	28
SSE	2	7	9	3	0	0	21
S	2	11	34	35	14	4	100
SSW	3	12	34	32	17	10	108
SW	0	12	41	20	18	10	101
WSW	5	10	13	12	11	2	53
W	2	15	18	10	8	4	57
WNW	0	18	33	20	15	4	90
NW	1	11	35	26	13	2	88
NNW	0	13	26	21	9	0	69
Variable	0	0	0	0	0	0	0
Total	23	181	362	249	112	36	963

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 County Generating Station

Period of Record: July - September 2010
Stability Class - Slightly Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	6	6	15	9	2	38
NNE	0	2	12	15	0	0	29
NE	0	3	15	19	0	0	37
ENE	0	8	14	16	4	0	42
E	1	3	13	13	8	3	41
ESE	0	7	7	2	3	0	19
SE	2	12	11	9	3	0	37
SSE	3	5	14	8	3	0	33
S	0	2	12	17	22	5	58
SSW	1	5	10	24	45	36	121
SW	1	7	14	21	18	8	69
WSW	0	4	11	14	7	6	42
W	0	5	5	5	11	13	39
WNW	2	10	10	12	21	9	64
NW	1	7	17	8	14	2	49
NNW	3	2	4	15	3	2	29
Variable	0	0	0	0	0	0	0
Total	14	88	175	213	171	86	747

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 County Generating Station

Period of Record: July - September 2010
Stability Class - Moderately Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	1	1	1	2	0	2	7
NNE	1	0	2	4	0	0	7
NE	0	0	3	8	0	0	11
ENE	1	0	0	0	0	0	1
E	0	1	2	6	4	1	14
ESE	0	1	1	15	5	0	22
SE	0	1	8	14	4	0	27
SSE	1	5	7	20	1	0	34
S	1	1	9	19	12	0	42
SSW	3	2	8	20	23	7	63
SW	1	4	9	21	4	4	43
WSW	0	1	10	13	1	1	26
W	0	2	6	5	10	1	24
WNW	0	2	2	7	2	0	13
NW	0	2	6	21	6	0	35
NNW	0	1	4	13	3	0	21
Variable	0	0	0	0	0	0	0
Total	9	24	78	188	75	16	390

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 County Generating Station

Period of Record: July - September 2010
Stability Class - Extremely Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	6	0	0	6
S	0	0	3	11	8	1	23
SSW	0	1	5	6	0	0	12
SW	0	1	5	1	0	0	7
WSW	1	0	0	3	0	0	4
W	0	1	1	0	0	0	2
WNW	0	0	0	5	0	0	5
NW	0	0	1	6	0	0	7
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	1	3	15	38	8	1	66

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 County Generating Station

Period of Record: October - December2010
Stability Class - Extremely Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

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

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 34

LaSalle County Generating Station

Period of Record: October - December2010
Stability Class - Moderately Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

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

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 34

LaSalle County Generating Station

Period of Record: October - December2010
Stability Class - Slightly Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	3	0	0	3
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	3	1	0	0	4
SSW	0	1	1	3	2	0	7
SW	0	0	2	3	1	1	7
WSW	0	0	6	3	4	1	14
W	0	0	4	8	1	0	13
WNW	0	0	6	0	0	0	6
NW	0	0	1	1	0	0	2
NNW	0	1	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	0	2	23	22	8	2	57

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 34

LaSalle County Generating Station

Period of Record: October - December2010
Stability Class - Neutral - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	21	26	12	0	1	60
NNE	1	7	14	0	0	0	22
NE	0	4	10	1	0	0	15
ENE	0	3	14	9	0	0	26
E	0	3	17	7	1	0	28
ESE	1	4	8	7	3	0	23
SE	1	2	3	1	0	0	7
SSE	0	0	5	12	1	0	18
S	0	1	10	13	2	0	26
SSW	1	1	14	3	2	0	21
SW	1	4	16	7	9	2	39
WSW	1	8	18	22	21	7	77
W	1	10	29	27	14	0	81
WNW	1	8	39	60	12	0	120
NW	0	7	13	17	0	0	37
NNW	0	11	22	53	8	12	106
Variable	0	0	0	0	0	0	0
Total	8	94	258	251	73	22	706

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: 34

LaSalle County Generating Station

Period of Record: October - December2010
Stability Class - Slightly Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	2	30	20	0	0	0	52
NNE	4	12	6	0	0	0	22
NE	2	4	13	0	0	0	19
ENE	1	5	22	9	0	0	37
E	1	8	16	9	0	0	34
ESE	1	4	9	9	1	0	24
SE	4	3	5	13	5	4	34
SSE	3	1	6	32	9	7	58
S	1	1	6	20	3	2	33
SSW	3	3	7	12	17	1	43
SW	0	3	11	15	2	2	33
WSW	0	4	22	12	1	2	41
W	1	11	13	19	18	2	64
WNW	1	10	27	25	10	0	73
NW	0	7	24	5	0	0	36
NNW	2	11	22	9	1	0	45
Variable	0	0	0	0	0	0	0
Total	26	117	229	189	67	20	648

Hours of calm in this stability class: 1
Hours of missing wind measurements in this stability class: 1
Hours of missing stability measurements in all stability classes: 34

LaSalle County Generating Station

Period of Record: October - December2010
Stability Class - Moderately Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	6	12	2	0	0	0	20
NNE	1	3	0	0	0	0	4
NE	2	2	0	0	0	0	4
ENE	1	1	3	0	0	0	5
E	0	5	13	0	0	0	18
ESE	1	2	2	0	0	0	5
SE	1	2	7	5	0	0	15
SSE	0	3	7	9	1	0	20
S	0	9	15	8	3	0	35
SSW	0	6	23	13	1	0	43
SW	1	4	14	8	0	0	27
WSW	0	6	17	7	0	0	30
W	0	5	22	1	1	0	29
WNW	0	17	22	4	0	0	43
NW	2	9	17	0	0	0	28
NNW	0	8	2	0	0	0	10
Variable	0	0	0	0	0	0	0
Total	15	94	166	55	6	0	336

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: 34

LaSalle County Generating Station

Period of Record: October - December2010
Stability Class - Extremely Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	4	0	0	0	0	4
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	1	0	0	0	0	1
E	1	9	2	0	0	0	12
ESE	2	10	1	0	0	0	13
SE	1	23	4	0	0	0	28
SSE	1	19	21	2	0	0	43
S	1	15	40	3	0	0	59
SSW	1	9	35	1	0	0	46
SW	0	5	25	2	0	0	32
WSW	0	8	32	5	0	0	45
W	2	34	22	1	0	0	59
WNW	0	41	11	0	0	0	52
NW	0	6	5	0	0	0	11
NNW	1	3	0	0	0	0	4
Variable	0	0	0	0	0	0	0
Total	10	187	198	14	0	0	409

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: 34

LaSalle County Generating Station

Period of Record: October - December2010
Stability Class - Extremely Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	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: 34

LaSalle County Generating Station

Period of Record: October - December2010
Stability Class - Moderately Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	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: 34

LaSalle County Generating Station

Period of Record: October - December2010
Stability Class - Slightly Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	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	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	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	0	3	0	3

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: 34

LaSalle County Generating Station

Period of Record: October - December2010
Stability Class - Neutral - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	11	7	27	27	5	77
NNE	0	12	10	17	1	0	40
NE	0	0	5	14	0	0	19
ENE	1	3	8	11	6	0	29
E	0	1	7	13	6	1	28
ESE	1	3	7	9	4	5	29
SE	0	2	3	1	5	4	15
SSE	0	1	1	5	7	1	15
S	0	1	3	13	12	9	38
SSW	1	0	5	13	4	16	39
SW	1	2	15	11	12	11	52
WSW	0	4	5	22	19	35	85
W	1	5	21	23	26	24	100
WNW	0	3	20	38	36	14	111
NW	1	5	29	21	32	6	94
NNW	0	6	7	13	40	16	82
Variable	0	0	0	0	0	0	0
Total	6	59	153	251	237	147	853

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: 34

LaSalle County Generating Station

Period of Record: October - December2010
Stability Class - Slightly Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	7	3	7	14	1	32
NNE	0	9	10	13	9	0	41
NE	1	5	5	18	1	0	30
ENE	1	1	11	11	9	0	33
E	0	4	8	17	4	0	33
ESE	0	0	5	10	5	4	24
SE	1	4	2	5	4	9	25
SSE	0	4	1	3	11	36	55
S	0	2	5	1	12	35	55
SSW	0	1	2	9	6	23	41
SW	1	1	6	12	11	21	52
WSW	1	1	11	11	7	5	36
W	0	1	8	14	24	24	71
WNW	0	3	7	21	16	31	78
NW	0	2	5	15	17	11	50
NNW	0	1	11	10	15	13	50
Variable	0	0	0	0	0	0	0
Total	5	46	100	177	165	213	706

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: 34

LaSalle County Generating Station

Period of Record: October - December2010
Stability Class - Moderately Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	3	3	2	12	2	22
NNE	4	3	1	5	1	0	14
NE	0	2	1	3	0	0	6
ENE	0	4	2	0	0	0	6
E	0	4	2	2	2	1	11
ESE	0	2	2	6	3	0	13
SE	0	2	4	4	4	3	17
SSE	0	1	7	6	5	2	21
S	0	1	5	15	13	25	59
SSW	0	1	3	9	20	33	66
SW	0	2	3	12	6	9	32
WSW	0	2	6	10	12	11	41
W	1	1	3	9	23	7	44
WNW	1	2	11	10	9	1	34
NW	2	3	7	13	8	0	33
NNW	0	1	5	7	10	0	23
Variable	0	0	0	0	0	0	0
Total	8	34	65	113	128	94	442

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: 34

LaSalle County Generating Station

Period of Record: October - December2010
Stability Class - Extremely Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	3	2	1	1	7
NNE	0	2	2	3	0	0	7
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	1	0	1	0	0	2
ESE	0	0	2	0	0	0	2
SE	0	0	4	1	0	0	5
SSE	0	1	2	3	0	0	6
S	0	0	1	13	9	1	24
SSW	0	0	1	5	8	0	14
SW	0	0	1	14	7	0	22
WSW	0	0	2	4	7	2	15
W	0	2	3	5	9	0	19
WNW	0	0	1	14	3	0	18
NW	0	0	4	7	2	0	13
NNW	0	1	0	3	1	0	5
Variable	0	0	0	0	0	0	0
Total	0	7	26	75	47	4	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: 34