



LaSalle County Station
2601 North 21st Road
Marseilles, IL 61341
815-415-2000 Telephone
www.exeloncorp.com

RA21-029

10 CFR 50.36a

April 29, 2021

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

LaSalle County Station, Unit 1 and Unit 2
Renewed Facility Operating License No. NFP-11 and NPF-18
NRC Docket No. 50-373, 50-374, and 72-70

Subject: 2020 Annual Radioactive Effluent Release Report

Enclosed is the Exelon Generation Company, LLC, 2020 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."

There are no regulatory commitments contained within this letter. Should you have any questions concerning this letter, please contact Mr. Daniel Mearhoff, Regulatory Assurance Manager, at (815) 415-2800.

Respectfully,

A handwritten signature in black ink, appearing to read "J. Washko".

John J. Washko
Site Vice President
LaSalle County Station

Enclosure: LaSalle County Nuclear Power Station Annual Radioactive Effluent Release Report (ARERR) for 2020

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

LASALLE COUNTY NUCLEAR POWER STATION
ANNUAL RADIOLOGICAL EFFLUENT RELEASE REPORT (ARERR)
2020

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
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.

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 SUPPLEMENTAL INFORMATION

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 ($\mu\text{Ci/mL}$)
Kr-85m	2.00E-04
Kr-85	5.00E-04
Kr-87	4.00E-05
Kr-88	9.00E-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
Ar-41	7.00E-05

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) The Containment Vent and Purge System is sampled by grab sample, which is analyzed for principal gamma emitters and H-3.
- 2) The Main Vent Stack (Station Vent Stack) is sampled by grab sample, which is analyzed for principal gamma emitters and H-3.
- 3) Standby Gas Treatment (SBGT) System is sampled by grab sample, which is analyzed for principal gamma emitters.
- 4) All release types as listed in 4.a.1) and 4.a.2) above are sampled at the Station Vent Stack (SVS) Wide Range Gas Monitor (WRGM), and those listed in 4.a.3) above are sampled at the Standby Gas Treatment (SBGT) System WRGM 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, Fe-55, Sr-89 and Sr-90. Noble gases, gross beta and gamma are continuously monitored by noble gas monitors for the SVS and the SBGT System.
- 5) The LaSalle County Station estimate of 17.37 Ci/Unit/year of C-14 (as total C-14 released) is based upon a normalized C-14 production rate of 5.1 Ci/GWt-yr, a gaseous release fraction of 0.99, a reactor power rating of 3546 MWt (per Unit) and equivalent full power operation of 354 days (per Unit).

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.

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
SUPPLEMENTAL INFORMATION

- 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 |

6. Abnormal Releases

a. Gaseous

- | | |
|-----------------------------|------|
| 1) Number of releases: | None |
| 2) Total activity released: | N/A |
| 3) Summary of release(s): | N/A |

b. Liquid

- | | |
|-----------------------------|------|
| 1) Number of releases: | None |
| 2) Total activity released: | N/A |
| 3) Summary of release(s): | N/A |

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
SUPPLEMENTAL INFORMATION

7. Process Control Program

There were no changes to the Process Control Program processing systems or components. There was no use of a solidification agent (e.g. cement, urea formaldehyde, etc.) during the processing of solid radioactive waste.

8. Effluent Monitoring Instrumentation time clocks and sample anomalies.

a. Time clocks:

There were no effluent monitoring time clocks exceeded during 2020.

b. Sample anomalies:

There were no sampling anomalies affecting the measurement of effluents experienced during 2020.

9. Offsite Dose Calculation Manual (ODCM) Revisions.

There were no revisions to the LaSalle Station ODCM in 2020

10. Independent Spent Fuel Storage Installation (ISFSI).

During the period April 1, 2020 to April 1, 2021, no radioactive effluents were released from the LaSalle Nuclear Station Independent Spent Fuel Storage Installation (ISFSI). Also, during this period, no casks were transferred to the outdoor concrete ISFSI storage pad.

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 UNIT 1 AND UNIT 2
 DOCKET NUMBERS 50-373 AND 50-374
 GASEOUS EFFLUENTS SUMMATION OF ALL RELEASES

A. Fission & Activation Gases	Unit	Quarter 1	Quarter 2	Quarter 3	Quarter4	Est. Total Error %
1. Total Release	Ci	1.18E+02	7.58E+01	3.28E+01	2.30E+01	2.50E+01
2. Average release rate for the period	μCi/sec	1.50E+01	9.62E+00	4.16E+00	2.92E+00	
3. Percent of ODCM limit	%	*	*	*	*	

B. Iodine						
1. Total Iodine – 131	Ci	2.59E-03	2.12E-03	2.30E-03	1.78E-03	1.50E+01
2. Average release rate for the period	μCi/sec	3.28E-04	2.69E-04	2.92E-04	2.26E-04	
3. Percent of ODCM limit	%	*	*	*	*	

C. Particulates						
1. Particulates with half-lives > 8 days	Ci	6.86E-05	1.52E-04	4.20E-05	<LLD	3.50E+01
2. Average release rate for the period	μCi/sec	8.73E-06	1.93E-05	5.28E-06	N/A	
3. Percent of ODCM limit	%	*	*	*	*	

D. Tritium						
1. Total Release	Ci	1.36E+01	1.90E+01	1.69E+01	3.68E+01	1.50E+01
2. Average release rate for the period	μCi/sec	1.73E+00	2.41E+00	2.14E+00	4.67E+00	
3. Percent of ODCM limit	%	*	*	*	*	

E. Gross Alpha						
1. Total Release	Ci	<LLD	<LLD	<LLD	<LLD	N/A
2. Average release rate for the period	μCi/sec	<LLD	<LLD	<LLD	<LLD	
3. Percent of ODCM limit	%	*	*	*	*	

F. Carbon-14						
1. Total Release	Ci	8.30E+00	8.79E+00	9.02E+00	8.93E+00	
2. Average release rate for the period	μCi/sec	1.06E+00	1.11E+00	1.14E+00	1.13E+00	
3. Percent of ODCM 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 μCi/ml

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 LIQUID RELEASES
 UNIT 1 AND UNIT 2
 SUMMATION OF ALL LIQUID RELEASES

A. Fission & Activation Products	Unit	Quarter 1	Quarter 2	Quarter 3	Quarter4	Est. Total Error %
1. Total Release (not including tritium, gases & alpha)	Ci	<LLD	<LLD	<LLD	<LLD	N/A
2. Average diluted concentration during period	μCi/mL	<LLD	<LLD	<LLD	<LLD	
3. Percent of applicable limit	%	*	*	*	*	

B. Tritium						
1. Total Release	Ci	<LLD	<LLD	<LLD	<LLD	N/A
2. Average diluted concentration during period	μCi/mL	<LLD	<LLD	<LLD	<LLD	
3. Percent of applicable limit	%	*	*	*	*	

C. Dissolved & Entrained Gases						
1. Total Release	Ci	<LLD	<LLD	<LLD	<LLD	N/A
2. Average diluted concentration during period	μCi/mL	<LLD	<LLD	<LLD	<LLD	
3. Percent of applicable limit	%	*	*	*	*	

D. Gross Alpha Activity						
1. Total Release	Ci	<LLD	<LLD	<LLD	<LLD	N/A
2. Average release rate for the period	μCi/mL	<LLD	<LLD	<LLD	<LLD	
3. Percent of ODCM limit	%	*	*	*	*	

E. Volume of Waste Released (prior to dilution)	Liters	0.00E+00	0.00E+00	0.00E+00	0.00E+00
--	--------	----------	----------	----------	----------

F. Volume of Dilution Water Used During Period	Liters	0.00E+00	0.00E+00	0.00E+00	0.00E+00
---	--------	----------	----------	----------	----------

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

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

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 LIQUID RELEASES
 UNIT 1 AND UNIT 2

Nuclides Released	Unit	Continuous Mode				Batch Mode			
		Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4
A. Fission & Activation Products									
None	Ci	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Ci								
	Ci								
	Ci								
	Ci								
	Ci								
	Ci								
	Ci								
	Ci								
	Ci								
	Ci								
	Ci								
	Ci								
	Ci								
	Ci								
Total for Period	Ci								
B. H-3									
H-3 Total for Period	Ci	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C. Dissolved & Entrained Gasses									
None	Ci	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Ci								
	Ci								
	Ci								
	Ci								
	Ci								
	Ci								
	Ci								
	Ci								
	Ci								
Total for Period	Ci								
D. Gross Alpha									
Gross Alpha Total for Period	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 (2020)
 SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

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

Resins, Filters, and Evaporator Bottoms Summary for the LaSalle Site

Waste Class	Volume		Curies Shipped	% Error (Activity)
	ft ³	m ³		
A	1.81E+03	5.13E+01	3.47E+02	+/-25%
B	0.00E+00	0.00E+00	0.00E+00	+/-25%
C	0.00E+00	0.00E+00	0.00E+00	+/-25%
Unclassified	0.00E+00	0.00E+00	0.00E+00	+/-25%
All	1.81E+03	5.13E+01	3.47E+02	+/-25%
Major Nuclides for Above Table:				
H-3, C-14, Fe-55, Co-60, Ni-63, Sr-90, Tc-99, Ru-106, I-129, Cs-137, Pu-238, Pu-239, Pu-241, Am-241				
Resins, Filters and Evaporator Bottoms				
Waste Class A				
Nuclide Name	Percent Abundance		Curies	
C-14	1.16%		4.04E+00	
Fe-55	18.09%		6.29E+01	
Co-60	78.29%		2.72E+02	
Ni-63	1.18%		4.09E+00	
Resins, Filters and Evaporator Bottoms				
Waste Class B				
Nuclide Name	Percent Abundance		Curies	
None	N/A		N/A	
Resins, Filters and Evaporator Bottoms				
Waste Class C				
Nuclide Name	Percent Abundance		Curies	
None	N/A		N/A	

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

Dry Active Waste (DAW) Summary for the LaSalle Site

Waste Class	Volume		Curies Shipped	% Error (Activity)
	ft ³	m ³		
A	3.59E+04	1.02E+03	2.22E+00	+/-25%
B	0.00E+00	0.00E+00	0.00E+00	+/-25%
C	0.00E+00	0.00E+00	0.00E+00	+/-25%
Unclassified	0.00E+00	0.00E+00	0.00E+00	+/-25%
All	3.59E+04	1.02E+03	2.22E+00	+/-25%
Major Nuclides for Above Table:				
H-3, C-14, Fe-55, Co-60, Ni-63, Sr-90, Tc-99, I-129, Cs-137, Pu-239, Pu-241, Am-241, Cm-242, Cm-244				
DAW				
Waste Class A				
Nuclide Name	Percent Abundance		Curies	
Fe-55	12.54%		2.78E+01	
Co-60	85.66%		1.90E+00	
DAW				
Waste Class B				
Nuclide Name	Percent Abundance		Curies	
None	N/A		N/A	
DAW				
Waste Class C				
Nuclide Name	Percent Abundance		Curies	
None	N/A		N/A	

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

Irradiated Components Summary for the LaSalle Site

Waste Class	Volume		Curies Shipped	% Error (Activity)
	ft ³	m ³		
A	0.00E+00	0.00E+00	0.00E+00	+/-25%
B	0.00E+00	0.00E+00	0.00E+00	+/-25%
C	0.00E+00	0.00E+00	0.00E+00	+/-25%
Unclassified	0.00E+00	0.00E+00	0.00E+00	+/-25%
All	0.00E+00	0.00E+00	0.00E+00	+/-25%
Major Nuclides for Above Table:				
Irradiated Components				
Waste Class A				
Nuclide Name	Percent Abundance		Curies	
None	N/A		N/A	
Irradiated Components				
Waste Class B				
Nuclide Name	Percent Abundance		Curies	
None	N/A		N/A	
Irradiated Components				
Waste Class C				
Nuclide Name	Percent Abundance		Curies	
None	N/A		N/A	

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

Other Waste Summary for the LaSalle Site

Waste Class	Volume		Curies Shipped	% Error (Activity)
	ft ³	m ³		
A	2.55E+02	7.22E+00	2.69E-03	+/-25%
B	0.00E+00	0.00E+00	0.00E+00	+/-25%
C	0.00E+00	0.00E+00	0.00E+00	+/-25%
Unclassified	0.00E+00	0.00E+00	0.00E+00	+/-25%
All	2.55E+02	7.22E+00	2.69E-03	+/-25%
Major Nuclides for Above Table: H-3, C-14, Fe-55, Co-60, Ni-63, Sr-90, Tc-99, I-129, Cs-137, Am-241, Cm-242, Cm-244				
Other Waste				
Waste Class A				
Nuclide Name	Percent Abundance		Curies	
H-3	16.7%		4.50E-04	
Fe-55	7.39%		1.99E-04	
Co-60	72.75%		1.96E-03	
Cs-137	1.2%		3.23E-05	
Other Waste				
Waste Class B				
Nuclide Name	Percent Abundance		Curies	
None	N/A		N/A	
Other Waste				
Waste Class C				
Nuclide Name	Percent Abundance		Curies	
None	N/A		N/A	

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

Sum of All Low-Level Waste Shipped from the LaSalle Site

Waste Class	Volume		Curies Shipped	% Error (Activity)
	ft ³	m ³		
A	3.80E+04	1.07E+03	3.50E+02	+/-25%
B	0.00E+00	0.00E+00	0.00E+00	+/-25%
C	0.00E+00	0.00E+00	0.00E+00	+/-25%
Unclassified	0.00E+00	0.00E+00	0.00E+00	+/-25%
All	3.80E+04	1.07E+03	3.50E+02	+/-25%
Major Nuclides for Above Table: H-3, C-14, Co-60, Ni-63, Sr-90, Tc-99, Ru-106, I-129, Cs-137, Am-241, Cm-242, Cm-244				
Waste Stream; Sum of All Four Categories				
Waste Class A				
Nuclide Name	Percent Abundance		Curies	
C-14	1.16%		4.04E+00	
Fe-55	18.06%		6.32E+01	
Co-60	78.33%		2.74E+02	
Ni-63	1.17%		4.10E+00	
Waste Stream; Sum of All Four Categories				
Waste Class B				
Nuclide Name	Percent Abundance		Curies	
None	N/A		N/A	
Waste Stream; Sum of All Four Categories				
Waste Class C				
Nuclide Name	Percent Abundance		Curies	
None	N/A		N/A	

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
1	Hittman Transport	Energy Solutions - Bear Creek Facility, Oak Ridge, TN
23	Hittman Transport	Energy Solutions - Bear Creek Facility, Oak Ridge, TN
12	Hittman Transport	Energy Solutions LLC Containerized Waste Facility

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 RADIOLOGICAL IMPACT ON MAN
 MAXIMUM DOSES RESULTING FROM GASEOUS RELEASES AND COMPLIANCE STATUS

All Age Groups	Quarterly Limit	Units	1st Quarter	2nd Quarter	3 rd Quarter	4th Quarter	Annual Limit	Annual
Gamma Air	5.00E+00	mRad	1.27E-03	7.88E-04	1.24E-04	2.36E-04	1.00E+01	2.42E-03
	% of Limit	%	2.53E-02	1.58E-02	2.49E-03	4.73E-03	%	2.42E-02
Beta Air	1.00E+01	mRad	6.38E-05	4.17E-05	1.78E-05	1.38E-05	2.00E+01	1.37E-04
	% of Limit	%	6.38E-04	4.17E-04	1.78E-04	1.38E-04	%	6.86E-04
NG Total Body	2.50E+00	mRem	8.46E-04	5.26E-04	8.34E-05	1.58E-04	5.00E+00	1.61E-03
	% of Limit	%	3.38E-02	2.10E-02	3.34E-03	6.31E-03	%	3.22E-02
NG Skin	7.50E+00	mRem	1.43E-03	8.88E-04	1.47E-04	2.68E-04	1.50E+01	2.73E-03
	% of Limit	%	1.90E-02	1.18E-02	1.95E-03	3.57E-03		1.82E-02
NNG Organ Infant Thyroid	7.50E+00	mRem	1.39E-02	1.19E-02	1.28E-02	1.03E-02	1.50E+01	4.887E-02
	% of Limit	%	1.85E-01	1.58E-01	1.71E-01	1.37E-01	%	3.258E-01

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 (2020)
 RADIOLOGICAL IMPACT ON MAN
 MAXIMUM DOSES RESULTING FROM LIQUID RELEASES AND COMPLIANCE STATUS

Infant Receptor	Quarterly Limit	Units	1st Quarter	% of Limit	2nd Quarter	% of Limit	3rd Quarter	% of Limit	4th Quarter	% of Limit	Annual Limit	% of Limit
10CFR50 Appendix I compliance												
Total Body	1.50E+00	mRem	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	3.00E+00	0.00
Organ	5.00E+00	mRem	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	1.00E+01	0.00
40CFR141 compliance (nearest public drinking water)												
Total Body		mRem	0.00E+00		0.00E+00		0.00E+00		0.00E+00		4.00E+00	0.00
Organ		mRem	0.00E+00		0.00E+00		0.00E+00		0.00E+00		4.00E+00	0.00
Child Receptor	Quarterly Limit	Units	1st Quarter	% of Limit	2nd Quarter	% of Limit	3rd Quarter	% of Limit	4th Quarter	% of Limit	Annual Limit	% of Limit
10CFR50 Appendix I compliance												
Total Body	1.50E+00	mRem	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	3.00E+00	0.00
Organ	5.00E+00	mRem	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	1.00E+01	0.00
40CFR141 compliance (nearest public drinking water)												
Total Body		mRem	0.00E+00		0.00E+00		0.00E+00		0.00E+00		4.00E+00	0.00
Organ		mRem	0.00E+00		0.00E+00		0.00E+00		0.00E+00		4.00E+00	0.00
Teenager Receptor	Quarterly Limit	Units	1st Quarter	% of Limit	2nd Quarter	% of Limit	3rd Quarter	% of Limit	4th Quarter	% of Limit	Annual Limit	% of Limit
10CFR50 Appendix I compliance												
Total Body	1.50E+00	mRem	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	3.00E+00	0.00
Organ	5.00E+00	mRem	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	1.00E+01	0.00
40CFR141 compliance (nearest public drinking water)												
Total Body		mRem	0.00E+00		0.00E+00		0.00E+00		0.00E+00		4.00E+00	0.00
Organ		mRem	0.00E+00		0.00E+00		0.00E+00		0.00E+00		4.00E+00	0.00
Adult Receptor	Quarterly Limit	Units	1st Quarter	% of Limit	2nd Quarter	% of Limit	3rd Quarter	% of Limit	4th Quarter	% of Limit	Annual Limit	% of Limit
10CFR50 Appendix I compliance												
Total Body	1.50E+00	mRem	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	3.00E+00	0.00
Organ	5.00E+00	mRem	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	1.00E+01	0.00
40CFR141 compliance (nearest public drinking water)												
Total Body		mRem	0.00E+00		0.00E+00		0.00E+00		0.00E+00		4.00E+00	0.00
Organ		mRem	0.00E+00		0.00E+00		0.00E+00		0.00E+00		4.00E+00	0.00

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2019)
 RADIOLOGICAL IMPACT ON MAN
 MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

10CFR20 / 40CFR190 Compliance

	1 st Quarter Dose (mRem)	2 nd Quarter Dose (mRem)	3 rd Quarter Dose (mRem)	4 th Quarter Dose (mRem)	Annual Dose (mRem)	Annual Limit (mRem/yr)	% Annual Limit
Unit 1							
40CFR190 Compliance							
U1 D ^{Ex}	8.30E-02	1.03E-01	9.68E-02	4.37E-02	3.26E-01	25	1.30
10CFR20 Compliance							
U1 D ^{Tot}	9.68E-02	1.15E-01	1.10E-01	5.40E-02	3.75E-01	100	0.37
40CFR190 Compliance							
Bone	6.50E-03	7.13E-03	7.31E-03	7.23E-03	2.82E-02	25	0.11
Liver	1.43E-03	1.56E-03	1.60E-03	1.58E-03	6.18E-03	25	0.02
Thyroid	1.39E-02	1.19E-02	1.28E-02	1.03E-02	4.88E-02	75	0.07
Kidney	1.44E-03	1.57E-03	1.61E-03	1.59E-03	6.20E-03	25	0.02
Lung	1.39E-03	1.53E-03	1.57E-03	1.56E-03	6.04E-03	25	0.02
GI-LLI	1.39E-03	1.53E-03	1.57E-03	1.56E-03	6.05E-03	25	0.02
Unit 2							
40CFR190 Compliance							
U2 D ^{Ex}	9.80E-02	9.68E-02	9.63E-02	6.94E-02	3.60E-01	25	1.44
10CFR20 Compliance							
U2 D ^{Tot}	9.80E-02	9.68E-02	9.63E-02	6.94E-02	3.60E-01	100	0.36
40CFR190 Compliance							
Bone	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	25	0.00
Liver	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	25	0.00
Thyroid	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	75	0.00
Kidney	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	25	0.00
Lung	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	25	0.00
GI-LLI	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	25	0.00

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: January - March 2020
 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	1	3	0	0	4
SSW	0	0	0	0	1	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	1	4	1	0	6

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

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: January - March 2020
 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	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	0	2	2	0	4
SW	0	0	3	9	0	1	13
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	4	13	2	1	20

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: 5

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: January - March 2020
 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	0	0	0	0	0
NNE	0	0	0	1	0	0	1
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	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	0	1	2	0	3
SW	0	1	3	3	1	0	8
WSW	0	0	2	1	1	0	4
W	0	0	0	2	0	0	2
WNW	0	0	2	4	1	0	7
NW	0	0	1	3	1	0	5
NNW	0	0	1	5	1	0	7
Variable	0	0	0	0	0	0	0
Total	0	1	9	22	7	0	39

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

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: January - March 2020
 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	18	54	21	0	0	95
NNE	0	15	63	31	0	0	109
NE	0	9	21	17	0	0	47
ENE	1	3	22	13	0	0	39
E	1	3	17	11	3	0	35
ESE	0	2	7	12	2	1	24
SE	2	5	12	8	3	0	30
SSE	6	8	16	10	2	1	43
S	2	12	13	14	7	0	48
SSW	4	10	12	15	8	1	50
SW	2	11	8	13	1	0	35
WSW	3	19	27	5	1	6	61
W	4	20	43	42	12	3	124
WNW	0	28	53	43	34	1	159
NW	0	18	30	29	2	0	79
NNW	2	20	63	45	15	4	149
Variable	0	0	0	0	0	0	0
Total	29	201	461	329	90	17	1127

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: 5

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: January - March 2020
 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	11	0	0	0	0	13
NNE	0	6	4	0	0	0	10
NE	1	1	13	3	0	0	18
ENE	0	3	21	5	0	0	29
E	2	18	55	9	0	0	84
ESE	1	8	14	12	0	0	35
SE	2	15	9	8	2	0	36
SSE	0	19	8	8	4	0	39
S	3	12	18	25	14	0	72
SSW	5	7	11	32	26	1	82
SW	2	11	13	23	10	1	60
WSW	1	12	27	8	7	1	56
W	1	13	26	16	7	14	77
WNW	2	16	35	15	12	7	87
NW	0	5	17	0	0	0	22
NNW	2	6	4	0	0	0	12
Variable	0	0	0	0	0	0	0
Total	24	163	275	164	82	24	732

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: 5

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: January - March 2020
 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	1	0	0	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	4	7	0	0	0	11
ESE	0	8	1	0	0	0	9
SE	0	9	0	0	0	0	9
SSE	1	8	14	5	0	0	28
S	0	9	7	15	1	0	32
SSW	0	8	10	9	0	0	27
SW	0	1	11	4	0	0	16
WSW	0	5	8	4	1	0	18
W	0	6	6	1	0	0	13
WNW	0	8	4	0	0	0	12
NW	0	2	1	0	0	0	3
NNW	1	0	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	2	69	69	38	2	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: 5

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: January - March 2020

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	1	0	0	0	0	1
ESE	0	3	0	0	0	0	3
SE	0	1	0	0	0	0	1
SSE	1	2	6	0	0	0	9
S	0	1	4	0	0	0	5
SSW	0	3	6	0	0	0	9
SW	0	3	9	0	0	0	12
WSW	0	2	11	1	0	0	14
W	1	6	3	2	0	0	12
WNW	0	5	3	0	0	0	8
NW	0	1	0	0	0	0	1
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	2	28	42	3	0	0	75

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: 5

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: January - March 2020
 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	1	0	0	1
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	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: 5

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: January - March 2020
 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: 5

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: January - March 2020
 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	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	1	0	3
SSW	0	0	0	0	0	2	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	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	5	1	2	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: 5

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: January - March 2020
 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	15	27	41	21	1	106
NNE	1	4	19	45	55	5	129
NE	2	3	9	41	15	0	70
ENE	2	2	9	25	11	0	49
E	0	1	12	21	5	3	42
ESE	0	4	10	12	16	4	46
SE	1	5	5	8	10	2	31
SSE	1	6	6	20	12	5	50
S	2	10	13	18	12	13	68
SSW	1	7	10	8	16	19	61
SW	1	6	16	8	14	7	52
WSW	1	7	23	19	5	9	64
W	3	11	20	42	35	14	125
WNW	1	7	27	21	35	30	121
NW	0	14	63	39	43	15	174
NNW	0	7	23	43	24	18	115
Variable	0	0	0	0	0	0	0
Total	17	109	292	411	329	145	1303

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: 5

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: January - March 2020
 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	0	0	3	3	0	6
NNE	1	1	3	1	1	0	7
NE	0	2	3	3	3	0	11
ENE	0	0	2	9	7	0	18
E	0	1	3	27	4	1	36
ESE	0	1	6	23	12	6	48
SE	2	2	9	11	15	3	42
SSE	1	7	12	3	3	6	32
S	0	7	21	14	17	28	87
SSW	2	6	7	15	14	55	99
SW	1	1	11	9	16	32	70
WSW	1	3	5	18	12	9	48
W	3	3	8	26	6	13	59
WNW	1	4	9	17	10	46	87
NW	0	2	20	26	6	4	58
NNW	0	4	5	7	3	0	19
Variable	0	0	0	0	0	0	0
Total	12	44	124	212	132	203	727

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

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: January - March 2020
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	1	1	2	1	2	0	7
NNE	0	2	0	0	0	0	2
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	1	0	6	0	0	7
SE	0	0	4	5	0	0	9
SSE	0	0	0	5	2	0	7
S	0	0	1	4	7	7	19
SSW	0	0	0	1	3	6	10
SW	0	1	9	5	6	1	22
WSW	0	0	2	4	3	1	10
W	0	0	4	3	7	0	14
WNW	0	0	3	4	2	1	10
NW	0	1	6	2	1	0	10
NNW	0	1	1	0	0	0	2
Variable	0	0	0	0	0	0	0
Total	1	7	32	40	33	16	129

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: 5

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: January - March 2020
 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	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	1	1
S	0	0	0	0	0	1	1
SSW	0	0	0	0	0	0	0
SW	0	1	2	1	0	0	4
WSW	0	0	0	3	0	0	3
W	0	1	0	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	0	2	2	4	0	2	10

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: 5

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: April - June 2020
 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	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	0	0	1	0	1
S	0	0	0	1	0	0	1
SSW	0	0	2	0	0	0	2
SW	0	0	1	2	4	0	7
WSW	0	0	0	0	1	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	4	3	6	0	13

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: April - June 2020
 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	2	0	0	2
NNE	0	0	0	1	0	0	1
NE	0	0	5	1	0	0	6
ENE	0	0	5	2	0	0	7
E	0	0	3	2	0	0	5
ESE	0	0	1	0	0	0	1
SE	0	0	0	2	1	0	3
SSE	0	0	0	0	3	0	3
S	0	0	0	2	0	0	2
SSW	0	0	0	3	1	0	4
SW	0	0	3	6	1	0	10
WSW	0	0	5	4	5	0	14
W	0	0	4	9	0	0	13
WNW	0	0	0	11	3	0	14
NW	0	0	0	0	0	0	0
NNW	0	0	0	1	1	0	2
Variable	0	0	0	0	0	0	0
Total	0	0	26	46	15	0	87

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: April - June 2020
 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	1	1	0	0	2
NNE	0	1	2	0	0	0	3
NE	0	1	7	1	0	0	9
ENE	0	1	4	3	0	0	8
E	0	0	6	5	0	0	11
ESE	0	0	2	3	0	1	6
SE	0	1	7	4	1	0	13
SSE	0	0	5	7	3	0	15
S	0	0	8	2	0	0	10
SSW	0	1	11	3	2	0	17
SW	0	5	8	5	0	1	19
WSW	0	1	8	4	3	0	16
W	0	5	13	7	4	0	29
WNW	0	1	7	11	3	0	22
NW	0	2	2	7	1	0	12
NNW	0	1	3	5	0	0	9
Variable	0	0	0	0	0	0	0
Total	0	20	94	68	17	2	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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: April - June 2020
 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	1	18	27	2	1	0	49
NNE	0	24	40	11	0	0	75
NE	0	11	45	28	0	0	84
ENE	0	13	16	31	0	0	60
E	0	7	26	21	0	0	54
ESE	0	6	14	16	2	1	39
SE	1	15	27	5	3	3	54
SSE	0	9	18	19	8	1	55
S	2	15	20	9	2	1	49
SSW	2	12	17	7	4	0	42
SW	0	8	19	7	9	1	44
WSW	3	14	16	8	5	1	47
W	0	12	26	11	11	2	62
WNW	1	14	34	27	14	9	99
NW	0	7	17	12	13	2	51
NNW	0	10	36	33	15	3	97
Variable	0	0	0	0	0	0	0
Total	10	195	398	247	87	24	961

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: April - June 2020

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	12	7	0	0	0	21
NNE	0	5	6	0	0	0	11
NE	1	3	3	0	0	0	7
ENE	0	5	21	5	0	0	31
E	2	15	36	3	0	0	56
ESE	1	5	11	4	0	0	21
SE	3	12	3	1	0	0	19
SSE	5	14	14	6	0	0	39
S	1	9	12	8	1	0	31
SSW	2	14	15	14	2	1	48
SW	2	5	17	25	2	1	52
WSW	1	10	24	15	0	0	50
W	5	10	25	10	0	0	50
WNW	1	10	14	18	1	1	45
NW	2	7	6	2	0	0	17
NNW	1	6	11	0	0	0	18
Variable	0	0	0	0	0	0	0
Total	29	142	225	111	6	3	516

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: April - June 2020

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	0	0	0	0	0	0
NNE	0	1	0	0	0	0	1
NE	0	1	0	0	0	0	1
ENE	0	3	2	0	0	0	5
E	2	21	16	0	0	0	39
ESE	1	15	10	0	0	0	26
SE	0	9	12	0	0	0	21
SSE	1	16	9	0	0	0	26
S	1	10	0	2	0	0	13
SSW	0	10	7	11	0	0	28
SW	2	10	9	4	0	0	25
WSW	1	12	20	1	0	0	34
W	1	12	28	0	0	0	41
WNW	0	18	3	0	0	0	21
NW	2	0	0	0	0	0	2
NNW	1	3	0	0	0	0	4
Variable	0	0	0	0	0	0	0
Total	12	141	116	18	0	0	287

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: April - June 2020
 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	1	0	0	0	0	1
E	0	10	4	0	0	0	14
ESE	0	16	3	0	0	0	19
SE	1	14	3	0	0	0	18
SSE	0	18	1	0	0	0	19
S	0	8	2	0	0	0	10
SSW	0	3	3	0	0	0	6
SW	0	4	2	0	0	0	6
WSW	0	5	5	0	0	0	10
W	1	3	4	0	0	0	8
WNW	0	3	0	0	0	0	3
NW	2	0	0	0	0	0	2
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	4	85	27	0	0	0	116

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

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: April - June 2020

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: 3

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: April - June 2020

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	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	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	1	0	0	2	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: 3

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: April - June 2020
 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	3	1	4
NNE	0	0	0	0	2	0	2
NE	0	0	2	2	1	0	5
ENE	0	0	0	4	1	0	5
E	0	0	1	3	0	0	4
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	2	0	2
SSE	0	0	1	0	1	1	3
S	0	0	0	0	1	0	1
SSW	0	0	1	0	2	0	3
SW	0	0	1	3	3	2	9
WSW	0	0	0	1	2	1	4
W	0	0	0	2	1	0	3
WNW	0	0	0	3	1	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	6	18	21	5	50

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

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: April - June 2020

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	10	16	21	5	5	57
NNE	0	7	13	23	19	7	69
NE	0	9	16	39	27	0	91
ENE	0	14	10	32	38	1	95
E	0	3	14	39	17	1	74
ESE	0	5	11	19	7	0	42
SE	1	12	28	13	12	4	70
SSE	0	13	16	28	19	8	84
S	0	7	19	26	15	4	71
SSW	5	10	16	26	5	11	73
SW	0	8	16	22	9	12	67
WSW	1	6	24	24	12	8	75
W	0	12	16	25	13	13	79
WNW	1	11	15	42	27	20	116
NW	0	6	21	40	25	26	118
NNW	0	2	12	37	19	17	87
Variable	0	0	0	0	0	0	0
Total	8	135	263	456	269	137	1268

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: April - June 2020

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	1	5	6	12	1	25
NNE	0	1	7	5	0	0	13
NE	0	2	5	4	0	0	11
ENE	0	1	4	14	3	0	22
E	0	0	7	22	8	0	37
ESE	0	1	7	24	11	0	43
SE	0	5	11	11	16	1	44
SSE	1	5	6	13	7	4	36
S	0	4	7	16	10	6	43
SSW	1	3	11	13	6	14	48
SW	0	6	14	21	20	22	83
WSW	0	1	10	15	11	7	44
W	1	2	14	21	27	5	70
WNW	0	3	7	27	14	10	61
NW	1	4	12	18	9	7	51
NNW	1	4	3	5	0	1	14
Variable	0	0	0	0	0	0	0
Total	5	43	130	235	154	78	645

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: April - June 2020

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	0	0	0
NNE	0	0	0	2	0	0	2
NE	0	1	1	0	0	0	2
ENE	0	0	0	0	0	0	0
E	0	2	0	6	0	0	8
ESE	0	0	3	5	3	0	11
SE	1	1	7	27	7	0	43
SSE	0	1	2	12	6	0	21
S	0	6	5	6	0	0	17
SSW	0	1	5	9	3	3	21
SW	0	2	8	4	1	1	16
WSW	1	0	6	2	0	0	9
W	0	2	1	5	12	0	20
WNW	1	0	2	2	8	3	16
NW	0	1	4	4	0	0	9
NNW	0	2	0	3	0	0	5
Variable	0	0	0	0	0	0	0
Total	3	19	44	87	40	7	200

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: April - June 2020

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	0	0
SE	0	0	3	1	0	0	4
SSE	0	0	0	6	0	0	6
S	0	0	0	2	0	0	2
SSW	0	0	0	1	1	0	2
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
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	0	0	4	10	1	0	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: 3

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: July - September 2020

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	1	0	0	0	1
SSW	0	0	3	0	0	0	3
SW	0	0	5	3	1	0	9
WSW	0	1	5	2	0	0	8
W	0	0	3	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	0	1	17	5	1	0	24

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: July - September 2020

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	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	5	0	0	0	5
E	0	0	1	0	0	0	1
ESE	0	0	2	0	0	0	2
SE	0	0	0	0	0	0	0
SSE	0	2	3	2	0	0	7
S	0	3	5	5	0	0	13
SSW	0	3	19	0	0	0	22
SW	0	3	6	4	0	0	13
WSW	0	5	12	3	1	0	21
W	0	5	8	3	0	0	16
WNW	0	1	0	5	0	0	6
NW	0	0	0	2	0	0	2
NNW	0	0	0	1	0	0	1
Variable	0	0	0	0	0	0	0
Total	0	22	61	25	1	0	109

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

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: July - September 2020

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	1	2	0	0	0	3
NNE	0	2	1	0	0	0	3
NE	0	8	4	0	0	0	12
ENE	0	2	8	2	0	0	12
E	0	6	7	0	0	0	13
ESE	0	3	2	0	0	0	5
SE	0	2	2	4	0	0	8
SSE	0	7	6	0	0	0	13
S	0	6	14	1	0	0	21
SSW	0	3	10	1	0	0	14
SW	0	9	11	0	0	0	20
WSW	1	5	10	1	1	0	18
W	0	10	11	1	0	0	22
WNW	0	4	7	4	1	0	16
NW	0	2	6	6	0	0	14
NNW	0	2	1	3	0	0	6
Variable	0	0	0	0	0	0	0
Total	1	72	102	23	2	0	200

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: July - September 2020

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	29	32	5	0	0	66
NNE	1	32	34	2	0	0	69
NE	1	14	34	7	0	0	56
ENE	1	17	34	7	0	0	59
E	2	30	20	2	0	0	54
ESE	0	16	8	3	0	0	27
SE	2	9	14	1	0	0	26
SSE	2	22	19	0	0	0	43
S	2	10	24	9	1	0	46
SSW	1	18	19	4	0	0	42
SW	0	11	25	1	0	0	37
WSW	1	14	19	6	0	0	40
W	1	22	19	4	3	0	49
WNW	0	3	19	10	2	2	36
NW	1	8	16	10	2	1	38
NNW	0	11	47	9	0	1	68
Variable	0	0	0	0	0	0	0
Total	15	266	383	80	8	4	756

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: July - September 2020

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	1	29	6	0	0	0	36
NNE	2	14	11	0	0	0	27
NE	2	12	7	0	0	0	21
ENE	1	9	17	1	0	0	28
E	0	25	12	0	0	0	37
ESE	1	9	3	0	0	0	13
SE	5	6	4	0	0	0	15
SSE	2	13	5	1	0	0	21
S	3	15	5	4	0	0	27
SSW	2	17	26	12	0	0	57
SW	4	15	26	17	0	0	62
WSW	2	8	8	3	0	0	21
W	1	10	21	0	3	0	35
WNW	0	15	6	0	0	0	21
NW	1	2	16	0	0	0	19
NNW	1	12	10	1	0	0	24
Variable	0	0	0	0	0	0	0
Total	28	211	183	39	3	0	464

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: July - September 2020

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	8	1	0	0	0	10
NNE	2	10	0	0	0	0	12
NE	1	1	0	0	0	0	2
ENE	2	7	0	0	0	0	9
E	3	29	4	0	0	0	36
ESE	0	17	0	0	0	0	17
SE	2	9	0	0	0	0	11
SSE	3	12	1	0	0	0	16
S	2	26	3	0	0	0	31
SSW	0	27	7	0	0	0	34
SW	1	16	22	0	0	0	39
WSW	2	14	9	0	0	0	25
W	1	18	6	0	0	0	25
WNW	0	14	3	0	0	0	17
NW	0	4	0	0	0	0	4
NNW	1	9	2	0	0	0	12
Variable	0	0	0	0	0	0	0
Total	21	221	58	0	0	0	300

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: July - September 2020

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	1	0	0	0	0	0	1
E	0	16	0	0	0	0	16
ESE	0	28	2	0	0	0	30
SE	2	22	2	0	0	0	26
SSE	2	35	8	0	0	0	45
S	2	41	5	0	0	0	48
SSW	0	49	7	0	0	0	56
SW	0	35	31	0	0	0	66
WSW	1	19	12	0	0	0	32
W	1	20	1	0	0	0	22
WNW	0	7	0	0	0	0	7
NW	2	0	0	0	0	0	2
NNW	0	4	0	0	0	0	4
Variable	0	0	0	0	0	0	0
Total	11	276	68	0	0	0	355

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: July - September 2020

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: 0

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: July - September 2020
 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	1	0	0	1
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	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 COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: July - September 2020
 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	2	1	0	0	3
E	0	0	0	0	0	0	0
ESE	0	0	1	1	0	0	2
SE	0	0	0	0	0	0	0
SSE	0	0	0	2	0	0	2
S	0	0	0	2	1	0	3
SSW	0	0	6	2	0	0	8
SW	0	0	3	4	1	0	8
WSW	0	0	3	3	0	0	6
W	0	1	7	0	0	0	8
WNW	0	0	1	1	0	0	2
NW	0	0	0	2	2	0	4
NNW	0	0	0	2	0	0	2
Variable	0	0	0	0	0	0	0
Total	0	1	23	20	4	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 COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: July - September 2020

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	17	23	24	0	0	64
NNE	1	23	21	17	11	0	73
NE	0	12	9	48	12	2	83
ENE	1	20	11	40	9	2	83
E	2	17	38	9	2	0	68
ESE	0	15	12	8	0	0	35
SE	1	10	6	13	1	0	31
SSE	2	11	31	6	1	0	51
S	0	13	28	22	7	1	71
SSW	0	15	24	34	4	4	81
SW	0	13	27	29	7	3	79
WSW	1	10	34	17	8	1	71
W	1	20	32	20	2	3	78
WNW	0	14	17	19	8	6	64
NW	0	7	15	23	17	4	66
NNW	0	3	30	23	4	1	61
Variable	0	0	0	0	0	0	0
Total	9	220	358	352	93	27	1059

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: July - September 2020
 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	3	6	15	7	1	32
NNE	2	4	14	9	7	0	36
NE	1	7	6	11	8	0	33
ENE	1	7	24	13	2	0	47
E	0	4	31	19	3	0	57
ESE	0	4	17	9	2	0	32
SE	1	3	1	12	2	0	19
SSE	0	7	6	3	1	0	17
S	0	6	13	12	4	2	37
SSW	2	0	19	23	19	9	72
SW	1	3	23	22	20	13	82
WSW	1	3	6	17	8	3	38
W	2	3	11	15	2	5	38
WNW	0	1	2	21	1	0	25
NW	0	3	7	12	4	0	26
NNW	1	4	5	9	9	2	30
Variable	0	0	0	0	0	0	0
Total	12	62	191	222	99	35	621

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: July - September 2020
 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	1	2	0	3	0	0	6
NNE	0	3	4	1	0	0	8
NE	1	2	1	1	0	0	5
ENE	2	0	4	1	0	0	7
E	0	1	5	8	0	0	14
ESE	0	2	9	20	2	0	33
SE	0	0	5	13	1	0	19
SSE	0	0	12	12	2	3	29
S	0	0	18	19	5	1	43
SSW	0	3	20	24	6	0	53
SW	0	2	34	30	10	3	79
WSW	1	1	13	11	18	1	45
W	0	2	6	13	1	0	22
WNW	1	1	8	7	1	0	18
NW	0	1	8	18	2	0	29
NNW	2	3	1	10	0	0	16
Variable	0	0	0	0	0	0	0
Total	8	23	148	191	48	8	426

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 NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: July - September 2020
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	1	0	0	0	0	0	1
E	0	0	0	0	0	0	0
ESE	0	0	1	3	1	0	5
SE	0	0	1	5	6	1	13
SSE	0	0	0	6	4	0	10
S	0	0	1	2	4	0	7
SSW	0	0	1	6	0	0	7
SW	0	0	1	4	0	0	5
WSW	0	0	0	0	0	0	0
W	0	0	1	2	0	0	3
WNW	0	0	1	0	0	0	1
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	1	0	7	29	15	1	53

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

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: October - December 2020
 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	1	0	0	1
SSW	0	0	0	0	2	0	2
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	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: 3

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: October - December 2020

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	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	3	5	0	8
SSW	0	0	1	1	3	1	6
SW	0	0	0	2	0	0	2
WSW	0	0	0	1	0	0	1
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	1	7	8	1	17

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: October - December 2020

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	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	1	0	0	0	1
SSE	0	0	0	0	0	0	0
S	0	0	3	2	4	0	9
SSW	0	1	1	8	4	4	18
SW	0	0	2	4	2	0	8
WSW	0	0	5	5	0	0	10
W	0	0	0	6	1	0	7
WNW	0	0	1	2	3	0	6
NW	0	0	0	0	1	0	1
NNW	0	0	1	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	0	1	14	27	15	4	61

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: October - December 2020
 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	4	51	35	10	0	0	100
NNE	0	28	32	3	0	0	63
NE	2	5	16	10	1	0	34
ENE	1	9	21	19	2	0	52
E	1	8	15	10	0	0	34
ESE	0	5	7	2	1	0	15
SE	2	2	5	13	1	0	23
SSE	0	2	4	14	9	0	29
S	0	4	6	10	12	6	38
SSW	0	6	15	19	4	7	51
SW	1	7	21	22	1	4	56
WSW	3	12	24	15	1	1	56
W	0	19	35	25	13	15	107
WNW	3	19	53	64	17	2	158
NW	1	18	39	29	3	2	92
NNW	4	19	58	52	6	0	139
Variable	0	0	0	0	0	0	0
Total	22	214	386	317	71	37	1047

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: October - December 2020

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	20	9	0	0	0	31
NNE	1	4	2	0	0	0	7
NE	1	0	2	0	0	0	3
ENE	1	2	5	1	0	0	9
E	1	4	11	3	0	0	19
ESE	0	1	6	2	2	1	12
SE	1	3	4	9	2	0	19
SSE	0	8	8	8	11	0	35
S	0	1	11	21	19	0	52
SSW	0	3	21	37	16	2	79
SW	1	6	15	29	8	1	60
WSW	1	3	11	21	2	1	39
W	0	7	24	10	11	8	60
WNW	2	22	22	8	9	9	72
NW	0	10	16	0	0	0	26
NNW	0	5	3	0	0	0	8
Variable	0	0	0	0	0	0	0
Total	11	99	170	149	80	22	531

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: October - December 2020
 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	11	0	0	0	0	12
NNE	2	1	1	0	0	0	4
NE	1	0	0	0	0	0	1
ENE	0	1	0	0	0	0	1
E	1	3	7	0	0	0	11
ESE	2	6	3	0	0	0	11
SE	0	15	9	0	0	0	24
SSE	0	1	10	3	0	0	14
S	1	8	12	4	0	0	25
SSW	0	14	13	14	2	0	43
SW	0	8	6	19	0	0	33
WSW	0	7	18	11	0	0	36
W	0	14	24	3	0	0	41
WNW	0	16	15	1	0	0	32
NW	1	7	2	0	0	0	10
NNW	0	7	3	0	0	0	10
Variable	0	0	0	0	0	0	0
Total	9	119	123	55	2	0	308

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: October - December 2020

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	1	0	0	0	0	1
ENE	0	0	0	0	0	0	0
E	0	6	3	0	0	0	9
ESE	0	4	5	0	0	0	9
SE	1	11	6	0	0	0	18
SSE	0	14	16	0	0	0	30
S	0	12	16	1	0	0	29
SSW	0	14	29	11	0	0	54
SW	1	4	17	7	1	0	30
WSW	0	4	20	6	0	0	30
W	0	12	4	0	0	0	16
WNW	0	5	1	0	0	0	6
NW	3	1	0	0	0	0	4
NNW	0	2	0	0	0	0	2
Variable	0	0	0	0	0	0	0
Total	5	90	117	25	1	0	238

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

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: October - December 2020
 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: 3

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: October - December 2020
 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	1	1
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	1	1
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	1	1
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	0	0	3	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: 3

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: October - December 2020
 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	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	3	4
SSW	0	0	0	1	0	2	3
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	2	2
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	2	0	7	9

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

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: October - December 2020
 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	13	33	34	16	4	100
NNE	1	10	34	14	6	0	65
NE	1	5	8	28	9	7	58
ENE	0	5	9	32	12	3	61
E	0	5	7	17	4	0	33
ESE	0	5	4	4	3	4	20
SE	0	3	2	2	12	2	21
SSE	0	1	3	9	10	9	32
S	1	3	6	10	12	32	64
SSW	0	2	5	17	21	31	76
SW	1	4	15	33	10	7	70
WSW	2	6	14	36	9	6	73
W	1	7	25	25	19	34	111
WNW	1	11	21	52	39	39	163
NW	2	11	33	55	31	11	143
NNW	1	10	25	34	19	13	102
Variable	0	0	0	0	0	0	0
Total	11	101	244	402	232	202	1192

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: October - December 2020
 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	1	5	18	4	0	30
NNE	0	5	4	3	4	0	16
NE	1	0	7	2	2	0	12
ENE	0	0	3	2	0	0	5
E	1	0	3	6	7	0	17
ESE	0	2	2	7	4	0	15
SE	1	2	2	12	4	3	24
SSE	1	1	3	8	12	10	35
S	0	0	4	6	12	46	68
SSW	0	4	6	4	15	53	82
SW	0	5	13	11	21	49	99
WSW	1	3	7	11	18	18	58
W	1	4	1	15	20	10	51
WNW	0	2	12	22	13	16	65
NW	1	1	13	22	12	1	50
NNW	0	2	5	20	1	0	28
Variable	0	0	0	0	0	0	0
Total	9	32	90	169	149	206	655

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

LASALLE COUNTY NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: October - December 2020
 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	1	3	0	6
NNE	0	0	2	1	0	0	3
NE	0	2	1	3	0	1	7
ENE	0	1	3	1	0	0	5
E	0	1	2	0	0	0	3
ESE	0	0	1	0	5	1	7
SE	0	1	1	3	4	3	12
SSE	0	2	3	4	7	4	20
S	0	0	9	7	15	1	32
SSW	1	1	3	5	7	14	31
SW	0	3	8	1	11	18	41
WSW	0	1	1	10	6	13	31
W	0	0	1	5	2	3	11
WNW	0	1	4	8	8	0	21
NW	0	0	0	14	9	0	23
NNW	0	1	2	6	1	0	10
Variable	0	0	0	0	0	0	0
Total	1	14	43	69	78	58	263

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 NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2020)
 METEOROLOGICAL DATA

LaSalle County Generating Station

Period of Record: October - December 2020
 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	1	0	1	0	0	2
E	0	0	0	1	0	0	1
ESE	0	0	1	1	0	0	2
SE	0	0	0	2	4	1	7
SSE	0	0	1	6	1	1	9
S	0	0	0	1	7	3	11
SSW	0	0	2	1	1	0	4
SW	0	0	2	6	7	0	15
WSW	0	0	2	5	3	0	10
W	0	0	1	5	4	1	11
WNW	0	1	2	2	0	0	5
NW	0	0	3	1	0	0	4
NNW	1	0	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	1	2	14	32	27	6	82

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