



RA20-022 10 CFR 50.36a

April 23, 2020

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:

2019 Annual Radioactive Effluent Release Report

Enclosed is the Exelon Generation Company, LLC, 2019 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,

John J. Washko Site Vice President LaSalle County Station

Enclosure:

LaSalle County Nuclear Power Station Annual Radioactive Effluent Release

Report (ARERR) for 2019

cc: Regional Administrator - NRC Region III

NRC Senior Resident Inspector - LaSalle County Station

LASALLE COUNTY NUCLEAR POWER STATION ANNUAL RADIOLOGICAL EFFLUENT RELEASE REPORT (ARERR) 2019

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

- 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

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

- 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

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
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

- The Containment Vent and Purge System is sampled by grab sample, which is analyzed for principal gamma emitters and H-3.
- The Main Vent Stack (Station Vent Stack) is sampled by grab sample, which is analyzed for principal gamma emitters and H-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.

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

b.

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
Liq	uid	
1)	Number of botch releases:	None

- 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

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 2019.

b. Sample anomalies:

There were no sampling anomalies affecting the measurement of effluents experienced during 2019.

9. Offsite Dose Calculation Manual (ODCM) Revisions.

There were no revisions to the LaSalle Station ODCM in 2019

10. Independent Spent Fuel Storage Installation (ISFSI).

During the period April 1, 2019 to April 1, 2020, no radioactive effluents were released from the LaSalle Nuclear Station Independent Spent Fuel Storage Installation (ISFSI). Also, during this period, eight (8) casks were transferred to the outdoor concrete ISFSI storage pad.

LASALLE COUNTY NUCLEAR POWER STATION EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2019) 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
A. Fission & Activation Gases	Onit	Quarter	Qualter 2	Quarter 5	Quarter4	Error %
1. Total Release	Ci	1.06E+02	8.09E+01	4.39E+01	6.37E+01	2.50E+01
2. Average release rate for the period	μCi/sec	1.36E+01	1.03E+01	5.52E+00	8.01E+00	
3. Percent of ODCM limit	%	*	*	*	*	ļ
						-
B. lodine						
1. Total lodine – 131	Ci	1.64E-02	1.83E-03	1.90E-03	1.74E-03	1.50E+01
2. Average release rate for the period	μCi/sec	2.11E-03	2.32E-04	2.39E-04	2.19E-04	
3. Percent of ODCM limit	%	*	*	*	*	
						=
C. Particulates						
1. Particulates with half-lives > 8 days	Ci	3.03E-03	2.27E-03	3.68E-03	5.65E-04	3.50E+01
2. Average release rate for the period	μCi/sec	3.90E-04	2.88E-04	4.62E-04	7.10E-05	
3. Percent of ODCM limit	%	*	*	*	*	
D. Tritium						
1. Total Release	Ci	3.71E+01	1.02E+01	1.07E+01	1.35E+01	1.50E+01
2. Average release rate for the period	μCi/sec	4.78E-00	1.29E-00	1.34E-00	1.70E-00	
3. Percent of ODCM limit	%	*	*	*	*	
						-
E. Gross Alpha						
4 T-1-1 D-1	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td></lld<>	N/A
Total Release	1 0				V-00-000	
Notal Release Average release rate for the period	μCi/sec	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td></td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td></td></lld<></td></lld<>	<lld< td=""><td></td></lld<>	
					<lld *</lld 	
2. Average release rate for the period	μCi/sec	<lld< td=""><td><lld< td=""><td><lld< td=""><td></td><td></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td></td><td></td></lld<></td></lld<>	<lld< td=""><td></td><td></td></lld<>		
2. Average release rate for the period	μCi/sec	<lld< td=""><td><lld< td=""><td><lld< td=""><td></td><td></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td></td><td></td></lld<></td></lld<>	<lld< td=""><td></td><td></td></lld<>		
Average release rate for the period Percent of ODCM limit	μCi/sec	<lld< td=""><td><lld< td=""><td><lld< td=""><td></td><td></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td></td><td></td></lld<></td></lld<>	<lld< td=""><td></td><td></td></lld<>		
Average release rate for the period Percent of ODCM limit F. Carbon-14	μCi/sec %	<lld *</lld 	<lld *</lld 	<lld *</lld 	*	

[&]quot;*" This information is contained in the Radiological Impact on Man section of the report.

[&]quot;<" Indicates activity of sample is less than LLD given in µCi/ml

LASALLE COUNTY NUCLEAR POWER STATION EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2019) GASEOUS EFFLUENTS ELEVATED RELEASE UNIT 1 AND UNIT 2

Nuclides Released			Continuo	ous Mode		Batch Mode			
	Unit	Quarter	Quarter	Quarter	Quarter	Quarter	Quarter	Quarter	Quarter
		11	2	3	4	1	2	3	4
A. Fission gases			THE REAL				THE WALLES	GENERAL TE	
Kr-85m	Ci	5.01E+01	3.66E+01	3.56E+01	4.82E+01	N/A	N/A	N/A	N/A
Kr-87	Ci	2.18E+00	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Kr-88	Ci	2.10E+01	4.44E+01	3.10E+00	8.06E+00	N/A	N/A	N/A	N/A
Xe-131m	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Xe-133m	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Xe-133	Ci	7.48E+00	<lld< td=""><td>5.18E+00</td><td>4.43E+00</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	5.18E+00	4.43E+00	N/A	N/A	N/A	N/A
Xe-135	Ci	2.48E+01	<lld< td=""><td>5.45E-03</td><td>2.94E+00</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	5.45E-03	2.94E+00	N/A	N/A	N/A	N/A
Xe-135m	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Xe-138	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Ar-41	Ci	6.48E-03	<lld< td=""><td><lld< td=""><td>1.49E-02</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>1.49E-02</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	1.49E-02	N/A	N/A	N/A	N/A
Total for Period	Ci	1.06E+02	8.09E+01	4.39E+01	6.37E+01	N/A	N/A	N/A	N/A
B. lodines		State 15				WWW.			
I-131	Ci	1.64E-02	1.83E-03	1.90E-03	1.74E-03	N/A	N/A	N/A	N/A
I-132	Ci	3.21E-03	6.03E-04	1.14E-03	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
I-133	Ci	1.20E-02	6.17E-03	7.56E-03	5.52E-03	N/A	N/A	N/A	N/A
I-134	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
I-135	Ci	3.89E-03	<lld< td=""><td>1.30E-03</td><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	1.30E-03	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Total for Period	Ci	3.55E-02	8.60E-03	1.19E-02	7.26E-03	N/A	N/A	N/A	N/A
Tot. I-131,I-133,I- 135	Ci	3.22E-02	8.00E-03	1.08E-02	7.26E-03	N/A	N/A	N/A	N/A
C. Particulates									
Na-24	Ci	4.27E-04	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Mn-54	Ci	1.93E-05	<lld< td=""><td>5.85E-05</td><td>1.60E-05</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	5.85E-05	1.60E-05	N/A	N/A	N/A	N/A
Fe-55	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>3N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>3N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>3N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>3N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	3N/A	N/A	N/A	N/A
Co-58	Ci	2.62E-04	3.03E-04	3.26E-04	2.37E-05	N/A	N/A	N/A	N/A
Fe-59	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Co-60	Ci	1.15E-03	1.26E-03	1.51E-03	3.50E-04	N/A	N/A	N/A	N/A
Zn-65	Ci	4.08E-04	5.54E-04	6.68E-04	7.89E-05	N/A	N/A	N/A	N/A
Zn-69m	Ci	4.57E-04	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Sr-89	Ci	<lld< td=""><td><lld< td=""><td>1.54E-04</td><td>3.85E-05</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>1.54E-04</td><td>3.85E-05</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	1.54E-04	3.85E-05	N/A	N/A	N/A	N/A
Sr-90	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Zr-95	Ci	<lld< td=""><td>1.10E-05</td><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	1.10E-05	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Mo-99	Ci	2.55E-05	<lld< td=""><td>8.39E-05</td><td>9.78E-07</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	8.39E-05	9.78E-07	N/A	N/A	N/A	N/A
Cs-134	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Cs-137	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Ba-140	Ci	1.95E-04	9.76E-05	4.68E-04	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
La-140	Ci	8.14E-05	2.87E-05	4.06E-04	5.69E-05	N/A	N/A	N/A	N/A
Ce-141	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Ce-144	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Hf-181	Ci	<lld< td=""><td>1.62E-05</td><td><lld< td=""><td><lld< td=""><td></td><td></td><td></td><td></td></lld<></td></lld<></td></lld<>	1.62E-05	<lld< td=""><td><lld< td=""><td></td><td></td><td></td><td></td></lld<></td></lld<>	<lld< td=""><td></td><td></td><td></td><td></td></lld<>				
Total for Period	Ci	3:03E-03	2.27E-03	3.68E-03	5.65E-04	N/A	N/A	• N/A	N/A
D. Tritium	Ci	3.71E+01	1.02E+01	1.07E+01	1.35E+01	N/A	N/A	N/A	N/A
E. Gross Alpha	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
F. Carbon-14	Ci	8.69E+00	8.69E+00	8.69E+00	8.68E+00	N/A	N/A	N/A	N/A

LASALLE COUNTY NUCLEAR POWER STATION EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2019) 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 %
Total Release (not including tritium, gases & alpha)	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td></lld<>	N/A
Average diluted concentration during period	μCi/mL	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td></td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td></td></lld<></td></lld<>	<lld< td=""><td></td></lld<>	
3. Percent of applicable limit	%	*	*	*	*	<u> </u>
B. Tritium	•					
1. Total Release	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td></lld<>	N/A
Average diluted concentration during period	μCi/mL	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>-</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>-</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>-</td></lld<></td></lld<>	<lld< td=""><td>-</td></lld<>	-
3. Percent of applicable limit	%	*	*	*	*	
C. Dissolved & Entrained Gases						
1. Total Release	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td></lld<>	N/A
Average diluted concentration during period	μCi/mL	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td></td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td></td></lld<></td></lld<>	<lld< td=""><td></td></lld<>	
3. Percent of applicable limit	%	*	*	*	*	
D. Gross Alpha Activity	Ī					
Total Release	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td></lld<>	N/A
Average release rate for the period	μCi/mL	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>1107.4</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>1107.4</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>1107.4</td></lld<></td></lld<>	<lld< td=""><td>1107.4</td></lld<>	1107.4
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	Litana	0.005+00	0.005+00	0.005+00	0.005.00	Ī
Period	Liters	0.00E+00	0.00E+00	0.00E+00	0.00E+00	

[&]quot;*" This information is contained in the Radiological Impact on Man section of the report.

[&]quot;<" Indicates activity of sample is less than LLD given in µCi/ml

LASALLE COUNTY NUCLEAR POWER STATION EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2019) LIQUID RELEASES UNIT 1 AND UNIT 2

Nuclides Released			Continuo	us Mode			Batch	Mode	
A, Fission &		Quarter	Quarter	Quarter	Quarter	Quarter	Quarter	Quarter	Quarter
Activation Products	Unit	. 1	2	3	4	1	2	3	4
Mn-54	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Fe-55	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Co-58	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Fe-59	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Co-60	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Zn-65	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Sr-89	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Sr-90	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Mo-99	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
I-131	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Cs-134	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Cs-137	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Ce-141	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Ce-144	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Total for Period	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
B. H-3			制制新聞	验师领域		fit in the second			
H-3 Total for Period	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
C. Dissolved & Entrained Gasses									
Kr-85m	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Kr-85	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Kr-87	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Kr-88	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Xe-131m	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Xe-133m	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Xe-133	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Xe-135m	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Xe-135	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Ar-41	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
Total for Period	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A
D. Gross Alpha					to a sight			Kylik Ky	MINNE
Gross Alpha Total for Period	Ci	<lld< td=""><td><lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<></td></lld<>	<lld< td=""><td><lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<></td></lld<>	<lld< td=""><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></lld<>	N/A	N/A	N/A	N/A

LASALLE COUNTY NUCLEAR POWER STATION EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2019) 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 (m³)	Total Activity (Ci)	Period	Est. Total Error (%)
a. Spent resins, filter sludges, evaporator bottoms, etc.	0.00 E+00	0.00E+00	1Q19	+/-25%
b. Dry compressible waste, contaminated equip, etc.	5.07E+02	2.45E-01	1Q19	+/-25%
c. Irradiated components, control rods, etc.	1.21E-01	1.44E+01	1Q19	+/-25%
d. Other (Oil, EHC fluid, sump waste, etc.)	9.65E+00	3.59E-03	1Q19	+/-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.		
N N	one N/A	N/A
b. Dry compressible waste, contaminated equip, etc.		
	e-55 3.86%	LSA
Co	94.69%	
c. Irradiated components, control rods, etc.		
Fe	e-55 44.12%	LSA
Co	51.51%	
N	i-63 3.18%	
d. Other (Oil, EHC fluid, sump waste etc.)		
	e-55 3.7%	LSA
	9-55 3.7% 9-60 94.56%	LOA

LASALLE COUNTY NUCLEAR POWER STATION EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2019) SOLID WASTE AND IRRADIATED FUEL SHIPMENTS FIRST QUARTER

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
9	Hittman Transport	Energy Solutions - Bear Creek
		Facility, Oak Ridge, TN
1	Hittman Transport	Energy Solutions LLC
	_	Containeried Waste Facility

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. There was no use of a solidification agent (e.g. cement, urea formaldehyde, etc.) during the processing of solid radioactive waste.

LASALLE COUNTY NUCLEAR POWER STATION EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2019) 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 (m³)	Total Activity (Ci)	Period	Est. Total Error (%)
a. Spent resins, filter sludges, evaporator bottoms, etc.	4.47E+01	1.14E+02	2Q19	+/-25%
b. Dry compressible waste, contaminated equip, etc.	7.25E+01	4.24E-02	2Q19	+/-25%
c. Irradiated components, control rods, etc.	None	None	2Q19	N/A
d. Other (Oil, EHC fluid, sump waste, etc.)	9.94E+00	9.12E-3	2Q19	+/-25%

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

		Percent Abundance	Shipment Type(s)
Major Nuclide Composition		(≥1%)	
a. Spent resins, filter sludges, evaporator bottoms, etc.			
	Fe-55	21.41%	LSA
	Co-60	73.15%	
	Ni-63	1.1%	
	C-14	3.2%	
b. Dry compressible waste, contaminated equip, etc.			
	Fe-55	3.8%	LSA
	Co-60	94.9%	-
c. Irradiated components, control rods, etc.			
	None	N/A	N/A
d. Other (Oil, EHC fluid, sump waste etc.)			
	Fe-55	2.09%	N/A
	Co-60	51.19%	
	H-3	45.97%	

LASALLE COUNTY NUCLEAR POWER STATION EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2019) SOLID WASTE AND IRRADIATED FUEL SHIPMENTS SECOND QUARTER

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
3	Hittman Transport	Energy Solutions - Bear Creek
	î .	Facility, Oak Ridge, TN
8	Hittman Transport	Energy Solutions, LLC.
		Containerized Waste Facility
1	Hittman Transport	Waste Control Specialist LLC.
		Compact Waste Disposal
		Facility
1	Landstar	Energy Solutions - Bear Creek
		Facility, Oak Ridge, TN

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. There was no use of a solidification agent (e.g. cement, urea formaldehyde, etc.) during the processing of solid radioactive waste.

LASALLE COUNTY NUCLEAR POWER STATION EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2019) SOLID WASTE AND IRRADIATED FUEL SHIPMENTS THIRD QUARTER

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

1. Types of Waste

Types of Waste	Total Quantity (m³)	Total Activity (Ci)	Period	Est. Total Error (%)
a. Spent resins, filter sludges, evaporator bottoms, etc.	2.22E+01	5.99E+02	3Q19	+/-25%
b. Dry compressible waste, contaminated equip, etc.	8.02E+01	2.26E+00	3Q19	+/-25%
d. Other (Oil, EHC fluid, sump waste, etc.)	None	None	3Q19	N/A
d. Other (Oil, EHC fluid, sump waste, etc.)	5.78E+00	1.40E-02	3Q19	+/-25%

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

		Percent Abundance	Shipment Type(s)
Major Nuclide Composition		(≥1%)	
a. Spent resins, filter sludges, evaporator bottoms, etc.			
	Fe-55	13.96%	LSA
	Co-60	80.9%	
	Mn-54	1.36%	
	Zn-65	1.8%	
b. Dry compressible waste, contaminated equip, etc.			
	Fe-55	4.28%	LSA
	Co-60	94.2%	
c. Irradiated components, control rods, etc.			
	None	N/A	N/A
d. Other (Oil, EHC fluid, sump waste, etc.)			
	H-3	80.1%	LSA
	Co-60	18.89%	

LASALLE COUNTY NUCLEAR POWER STATION EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2019) SOLID WASTE AND IRRADIATED FUEL SHIPMENTS THIRD QUARTER

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
9	Hittman Transport	Energy Solutions - Bear Creek Facility, Oak Ridge, TN
2	Hittman Transport	Energy Solutions, LLC. Containerized Waste Facility
3	Interstate Ventures	Waste Control Specialist LLC. Compact Waste Disposal Facility

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 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.

LASALLE COUNTY NUCLEAR POWER STATION EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2019) SOLID WASTE AND IRRADIATED FUEL SHIPMENTS FOURTH QUARTER

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

1. Types of Waste

Types of Waste	Total Quantity (m³)	Total Activity (Ci)	Period	Est. Total Error %
a. Spent resins, filter sludges, evaporator bottoms, etc.	8.27E+00	1.99E+01	4Q19	+/-25%
b. Dry compressible waste, contaminated equip, etc.	None	None	4Q19	N/A
c. Irradiated components, control rods, etc.	None	None	4Q19	N/A
d. Other (Oil, EHC fluid, sump waste, etc.)	None	None	4Q19	N/A

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

	Percent	Shipment
	Abundance	Type(s)
Major Nuclide Composition	(≥1%)	
a. Spent resins, filter sludges, evaporator bottoms, etc.		
F	e-55 40.29	% LSA
C	o-60 56.14	%
b. Dry compressible waste, contaminated equip, etc.		
N	lone N	/A N/A
c. Irradiated components, control rods, etc.		
N	lone N	/A N/A
d. Other (Oil, EHC fluid, sump waste, etc.)		
N	lone N	/A N/A

LASALLE COUNTY NUCLEAR POWER STATION EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2019) SOLID WASTE AND IRRADIATED FUEL SHIPMENTS FOURTH QUARTER

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
2	Hittman Transport	Energy Solutions, LLC.
		Containerized Waste Facility

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. There was no use of a solidification agent (e.g. cement, urea formaldehyde, etc.) during the processing of solid radioactive waste.

MAXIMUM DOSES RESULTING FROM GASEOUS RELEASES AND COMPLIANCE STATUS

	•											
	Quarterly	Units	1st	% of	2nd	% of	3 rd	% of	4th	% of	Annual	% of
Infant Receptor	Limit		Quarter	Limit	Quarter	Limit	Quarter	Limit	Quarter	Limit	Limit	Limit
Gamma Air	5.00E+00	mRad	8.91E-04	0.018	1.27E-03	0.025	1.71E-04	0.003	3.66E-04	0.007	1.00E+01	0.027
Beta Air	1.00E+01	mRad	6.74E-05	0.001	5.22E-05	0.001	2.27E-05	0.000	3.50E-05	0.000	2.00E+01	0.001
NG Total Body	2.50E+00	mRem	5.95E-04	0.024	8.46E-04	0.034	1.14E-04	0.005	2.45E-04	0.010	5.00E+00	0.036
NG Skin	7.50E+00	mRem	1.02E-03	0.014	1.42E-03	0.019	2.00E-04	0.003	4.22E-04	0.056	1.50E+01	0.020
NNG Organ	7.50E+00	mRem	7.94E-02	1.059	1.05E-02	0.140	1.09E-02	0.146	1.00E-02	0.133	1.50E+01	0.739
	Quarterly	Units	1st	% of	2nd	% of	3 rd	% of	4th	% of	Annual	% of
Child Receptor	Limit	Units	Quarter	Limit	Quarter	Limit	Quarter	Limit	Quarter	Limit	Limit	Limit
Gamma Air	5.00E+00	mRad	8.91E-04	0.018	1.27E-03	0.025	1.71E-04	0.003	3.66E-04	0.007	1.00E+01	0.027
Beta Air	1.00E+01	mRad	6.74E-05	0.001	5.22E-05	0.001	2.27E-05	0.000	3.50E-05	0.000	2.00E+01	0.001
NG Total Body	2.50E+00	mRem	5.95E-04	0.024	8.46E-04	0.034	1.14E-04	0.005	2.45E-04	0.010	5.00E+00	0.036
NG Skin	7.50E+00	mRem	1.02E-03	0.014	1.42E-03	0.019	2.00E-04	0.003	4.22E-04	0.056	1.50E+01	0.020
NNG Organ	7.50E+00	mRem	3.29E-02	0.439	4.52E-03	0.060	4.71E-03	0.063	4.25E-03	0.057	1.50E+01	0.309
Teenager	Quarterly	Unito	1st	% of	2nd	% of	3 rd	% of	4th	% of	Annual	% of
Teenager Receptor	Quarterly Limit	Units	1st Quarter	% of Limit	2nd Quarter	% of Limit	3 rd Quarter	% of Limit	4th Quarter	% of Limit	Annual Limit	% of Limit
		Units mRad										
Receptor	Limit		Quarter	Limit	Quarter	Limit	Quarter	Limit	Quarter	Limit	Limit	Limit
Receptor Gamma Air	Limit 5.00E+00	mRad	Quarter 8.91E-04	Limit 0.018	Quarter 1.27E-03	Limit 0.025	Quarter 1.71E-04	Limit 0.003	Quarter 3.66E-04	Limit 0.007	Limit 1.00E+01	Limit 0.027
Receptor Gamma Air Beta Air	5.00E+00 1.00E+01	mRad mRad	Quarter 8.91E-04 6.74E-05	0.018 0.001	Quarter 1.27E-03 5.22E-05	0.025 0.001	Quarter 1.71E-04 2.27E-05	0.003 0.000	3.66E-04 3.50E-05	0.007 0.000	1.00E+01 2.00E+01	0.027 0.001
Receptor Gamma Air Beta Air NG Total Body NG Skin	5.00E+00 1.00E+01 2.50E+00	mRad mRad mRem	Quarter 8.91E-04 6.74E-05 5.95E-04	0.018 0.001 0.024	Quarter 1.27E-03 5.22E-05 8.46E-04	0.025 0.001 0.034	Quarter 1.71E-04 2.27E-05 1.14E-04	0.003 0.000 0.005	Quarter 3.66E-04 3.50E-05 2.45E-04	0.007 0.000 0.010	Limit 1.00E+01 2.00E+01 5.00E+00	0.027 0.001 0.036
Receptor Gamma Air Beta Air NG Total Body	5.00E+00 1.00E+01 2.50E+00 7.50E+00	mRad mRad mRem mRem	8.91E-04 6.74E-05 5.95E-04 1.02E-03	0.018 0.001 0.024 0.014	Quarter 1.27E-03 5.22E-05 8.46E-04 1.42E-03	0.025 0.001 0.034 0.019	Quarter 1.71E-04 2.27E-05 1.14E-04 2.00E-04	0.003 0.000 0.005 0.003	Quarter 3.66E-04 3.50E-05 2.45E-04 4.22E-04	0.007 0.000 0.010 0.056	Limit 1.00E+01 2.00E+01 5.00E+00 1.50E+01	0.027 0.001 0.036 0.020
Receptor Gamma Air Beta Air NG Total Body NG Skin	5.00E+00 1.00E+01 2.50E+00 7.50E+00 7.50E+00	mRad mRad mRem mRem mRem	8.91E-04 6.74E-05 5.95E-04 1.02E-03 1.09E-02	0.018 0.001 0.024 0.014 0.146	1.27E-03 5.22E-05 8.46E-04 1.42E-03 4.71E-03	0.025 0.001 0.034 0.019 0.063	Quarter 1.71E-04 2.27E-05 1.14E-04 2.00E-04	0.003 0.000 0.005 0.003 0.032	Quarter 3.66E-04 3.50E-05 2.45E-04 4.22E-04	0.007 0.000 0.010 0.056	Limit 1.00E+01 2.00E+01 5.00E+00 1.50E+01	0.027 0.001 0.036 0.020
Receptor Gamma Air Beta Air NG Total Body NG Skin NNG Organ	5.00E+00 1.00E+01 2.50E+00 7.50E+00	mRad mRad mRem mRem	8.91E-04 6.74E-05 5.95E-04 1.02E-03	0.018 0.001 0.024 0.014	Quarter 1.27E-03 5.22E-05 8.46E-04 1.42E-03	0.025 0.001 0.034 0.019	Quarter 1.71E-04 2.27E-05 1.14E-04 2.00E-04 2.39E-03	0.003 0.000 0.005 0.003	3.66E-04 3.50E-05 2.45E-04 4.22E-04 1.54E-03	0.007 0.000 0.010 0.056 0.021	Limit 1.00E+01 2.00E+01 5.00E+00 1.50E+01 1.50E+01	0.027 0.001 0.036 0.020 0.130
Receptor Gamma Air Beta Air NG Total Body NG Skin	5.00E+00 1.00E+01 2.50E+00 7.50E+00 7.50E+00 Quarterly	mRad mRad mRem mRem mRem	8.91E-04 6.74E-05 5.95E-04 1.02E-03 1.09E-02	0.018 0.001 0.024 0.014 0.146	1.27E-03 5.22E-05 8.46E-04 1.42E-03 4.71E-03	0.025 0.001 0.034 0.019 0.063	Quarter 1.71E-04 2.27E-05 1.14E-04 2.00E-04 2.39E-03	0.003 0.000 0.005 0.003 0.032	3.66E-04 3.50E-05 2.45E-04 4.22E-04 1.54E-03	0.007 0.000 0.010 0.056 0.021	Limit 1.00E+01 2.00E+01 5.00E+00 1.50E+01 1.50E+01 Annual	0.027 0.001 0.036 0.020 0.130
Receptor Gamma Air Beta Air NG Total Body NG Skin NNG Organ Adult Receptor Gamma Air	5.00E+00 1.00E+01 2.50E+00 7.50E+00 7.50E+00 Quarterly Limit 5.00E+00	mRad mRad mRem mRem mRem	8.91E-04 6.74E-05 5.95E-04 1.02E-03 1.09E-02 1st Quarter 8.91E-04	0.018 0.001 0.024 0.014 0.146 % of Limit 0.018	Quarter 1.27E-03 5.22E-05 8.46E-04 1.42E-03 4.71E-03 2nd Quarter 1.27E-03	0.025 0.001 0.034 0.019 0.063 % of Limit	Quarter 1.71E-04 2.27E-05 1.14E-04 2.00E-04 2.39E-03 3rd Quarter 1.71E-04	0.003 0.000 0.005 0.003 0.032 % of Limit 0.003	Quarter 3.66E-04 3.50E-05 2.45E-04 4.22E-04 1.54E-03 4th Quarter 3.66E-04	0.007 0.000 0.010 0.056 0.021 % of Limit	Limit 1.00E+01 2.00E+01 5.00E+00 1.50E+01 1.50E+01 Annual Limit 1.00E+01	0.027 0.001 0.036 0.020 0.130 % of Limit
Receptor Gamma Air Beta Air NG Total Body NG Skin NNG Organ Adult Receptor Gamma Air Beta Air	5.00E+00 1.00E+01 2.50E+00 7.50E+00 7.50E+00 Quarterly Limit 5.00E+00 1.00E+01	mRad mRad mRem mRem mRem Units	8.91E-04 6.74E-05 5.95E-04 1.02E-03 1.09E-02 1st Quarter 8.91E-04 6.74E-05	0.018 0.001 0.024 0.014 0.146 % of Limit 0.018 0.001	1.27E-03 5.22E-05 8.46E-04 1.42E-03 4.71E-03 2nd Quarter 1.27E-03 5.22E-05	0.025 0.001 0.034 0.019 0.063 % of Limit 0.025 0.001	Quarter 1.71E-04 2.27E-05 1.14E-04 2.00E-04 2.39E-03 3rd Quarter 1.71E-04 2.27E-05	0.003 0.000 0.005 0.003 0.032 % of Limit 0.003 0.000	Quarter 3.66E-04 3.50E-05 2.45E-04 4.22E-04 1.54E-03 4th Quarter 3.66E-04 3.50E-05	0.007 0.000 0.010 0.056 0.021 % of Limit	Limit 1.00E+01 2.00E+01 5.00E+00 1.50E+01 1.50E+01 Annual Limit 1.00E+01 2.00E+01	0.027 0.001 0.036 0.020 0.130 % of Limit 0.027
Receptor Gamma Air Beta Air NG Total Body NG Skin NNG Organ Adult Receptor Gamma Air Beta Air NG Total Body	5.00E+00 1.00E+01 2.50E+00 7.50E+00 7.50E+00 Quarterly Limit 5.00E+00 1.00E+01 2.50E+00	mRad mRad mRem mRem mRem Units	8.91E-04 6.74E-05 5.95E-04 1.02E-03 1.09E-02 1st Quarter 8.91E-04 6.74E-05 5.95E-04	0.018 0.001 0.024 0.014 0.146 % of Limit 0.018 0.001 0.024	1.27E-03 5.22E-05 8.46E-04 1.42E-03 4.71E-03 2nd Quarter 1.27E-03 5.22E-05 8.46E-04	0.025 0.001 0.034 0.019 0.063 % of Limit 0.025 0.001 0.034	Quarter 1.71E-04 2.27E-05 1.14E-04 2.00E-04 2.39E-03 3rd Quarter 1.71E-04 2.27E-05 1.14E-04	0.003 0.000 0.005 0.003 0.032 % of Limit 0.003 0.000 0.005	Quarter 3.66E-04 3.50E-05 2.45E-04 4.22E-04 1.54E-03 4th Quarter 3.66E-04 3.50E-05 2.45E-04	0.007 0.000 0.010 0.056 0.021 % of Limit 0.007 0.000 0.010	Limit 1.00E+01 2.00E+01 5.00E+00 1.50E+01 1.50E+01 Annual Limit 1.00E+01 2.00E+01 5.00E+00	0.027 0.001 0.036 0.020 0.130 % of Limit 0.027 0.001 0.036
Receptor Gamma Air Beta Air NG Total Body NG Skin NNG Organ Adult Receptor Gamma Air Beta Air	5.00E+00 1.00E+01 2.50E+00 7.50E+00 7.50E+00 Quarterly Limit 5.00E+00 1.00E+01	mRad mRad mRem mRem mRem Units	8.91E-04 6.74E-05 5.95E-04 1.02E-03 1.09E-02 1st Quarter 8.91E-04 6.74E-05	0.018 0.001 0.024 0.014 0.146 % of Limit 0.018 0.001	1.27E-03 5.22E-05 8.46E-04 1.42E-03 4.71E-03 2nd Quarter 1.27E-03 5.22E-05	0.025 0.001 0.034 0.019 0.063 % of Limit 0.025 0.001	Quarter 1.71E-04 2.27E-05 1.14E-04 2.00E-04 2.39E-03 3rd Quarter 1.71E-04 2.27E-05	0.003 0.000 0.005 0.003 0.032 % of Limit 0.003 0.000	Quarter 3.66E-04 3.50E-05 2.45E-04 4.22E-04 1.54E-03 4th Quarter 3.66E-04 3.50E-05	0.007 0.000 0.010 0.056 0.021 % of Limit 0.007 0.000	Limit 1.00E+01 2.00E+01 5.00E+00 1.50E+01 1.50E+01 Annual Limit 1.00E+01 2.00E+01	0.027 0.001 0.036 0.020 0.130 % of Limit 0.027 0.001

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.

MAXIMUM DOSES RESULTING FROM LIQUID RELEASES AND COMPLIANCE STATUS

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

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 Compli	ance
U1 DEx	1.04E-01	1.07E-01	9.74E-02	9.74E-02	4.05E-01	25	1.62
						10CFR20 Complia	nce
U1 D ^{Tot}	1.83E-01	1.17E-01	1.08E-01	1.07E-01	5.16E-01	100	0.52
				1			
						40CFR190 Compli	ance
Bone	7.33E-03	7.17E-03	7.21E-03	7.07E-03	2.88E-02	25	0.12
Liver	1.90E-03	1.70E-03	1.74E-03	1.57E-03	6.91E-03	25	0.03
Thyroid	7.94E-02	1.05E-02	1.09E-02	1.00E-02	1.11E-01	75	0.15
Kidney	1.92E-03	1.68E-03	1.71E-03	1.57E-03	6.88E-03	25	0.03
Lung GI-LLI	1.63E-03 1.67E-03	1.63E-03 1.67E-03	1.65E-03 1.70E-03	1.54E-03 1.54E-03	6.44E-03 6.58E-03	25 25	0.03
GI-LLI	1.07E-03	1.072-03	1.700-03	1.04E-03	0.30E-U3	25	0.03
Unit 2							
						40CFR190 Compli	ance
U2 DEx	7.09E-02	9.73E-02	9.62E-02	9.90E-02	3.63E-01	25	1.45
						10CFR20 Complia	nce
U2 D ^{Tot}	7.09E-02	9.73E-02	9.62E-02	9.90E-02	3.63E-01	100	0.36
						40CFR190 Compli	ance
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 0.00E+00	0.00E+00 0.00E+00	0.00E+00	25 25	0.00
GI-LLI	0.00⊑+00	0.00⊏+00	0.00⊑+00	0.00=+00	0.00E+00	25	0.00

LaSalle County Generating Station

Period of Record: January - March 2019
Stability Class - Extremely Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

7.7.2	wind bpeed (in mpn)						
Wind Direction	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	0	1	0	0	1
SW	0	0	0	0	0	0	0
WSW	0	0	0	1	0	0	1
W	0	0	0	1	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	0	5	0	0	5

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: January - March 2019 Stability Class - Moderately Unstable - 200Ft-33Ft Delta-T (F) Winds Measured at 33 Feet

Wind Speed (in mph)

Wind Speed (III mpn)							
Wind Direction	1-3	4-7 	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	3	1	0	0	4
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	1	1	0	0	2
ESE	0	0	2	0	0	0	2
SE	0	1	0	0	0	0	1
SSE	0	1	1	0	0	0	2
S	0	0	1	1	0	0	2
SSW	0	0	1	2	0	0	3
SW	0	0	0	0	0	0	0
WSW	0	0	0	4	0	0	4
W	0	0	1	3	0	0	4
WNW	0	0	0	1	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	0	2	10	14	0	0	26

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: 7

LaSalle County Generating Station

Period of Record: January - March 2019
Stability Class - Slightly Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

Wind	wind opeca (in mpn)						
Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	2	1	0	0	3
NNE	0	0	1	1	0	0	2
NE	0	0	0	1	0	0	1
ENE	0	0	0	1	0	0	1
E	0	0	3	1	0	0	4
ESE	0	0	5	0	0	0	5
SE	0	0	0	0	0	0	0
SSE	0	0	3	0	0	0	3
S	0	0	1	0	0	0	1
SSW	0	2	1	0	0	0	3
SW	0	1	0	0	0	0	1
WSW	0	0	0	2	1	0	3
M	0	0	2	5	0	2	9
WNW	0	0	11	4	3	0	18
NW	0	0	1	1	0	0	2
MNM	0	0	0	2	0	0	2
Variable	0	0	0	0	0	0	0
Total	0	3	30	19	4	2	58

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: January - March 2019 Stability Class - Neutral - 200Ft-33Ft Delta-T (F) Winds Measured at 33 Feet

Wind Speed (in mph)

	wind speed (in mpn)								
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total		
И	2	20	14	8	3	0	47		
NNE	1	19	19	12	2	0	53		
NE	0	11	14	9	0	0	34		
ENE	0	3	31	27	4	0	65		
E	0	10	42	39	10	1	102		
ESE	0	10	17	15	6	0	48		
SE	0	6	4	3	0	0	13		
SSE	1	7	4	5	0	0	17		
S	1	1	4	2	1	0	9		
SSW	1	2	4	0	1	0	8		
SW	0	5	12	3	0	1	21		
WSW	0	6	10	18	7	3	44		
W	0	6	26	32	16	6	86		
WNW	0	10	48	40	27	3	128		
NW	1	4	24	14	6	0	49		
NNW	1	22	65	45	4	0	137		
Variable	0	0	0	0	0	0	0		
Total	8	142	338	272	87	14	861		

Hours of calm in this stability class:

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: January - March 2019
Stability Class - Slightly Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

	wind Speed (in mpn)								
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total		
N	1	32	16	0	0	0	49		
NNE	0	12	8	5	0	0	25		
NE	1	3	10	8	2	0	24		
ENE	0	13	16	9	13	0	51		
E	1	14	33	19	2	0	69		
ESE	1	13	17	5	8	1	45		
SE	4	8	14	11	11	1	49		
SSE	1	9	10	14	6	5	45		
S	2	6	7	12	10	1	38		
SSW	2	4	2	11	5	0	24		
S₩	2	7	14	11	1	0	35		
WSW	0	7	15	37	8	10	77		
W	1	8	27	24	37	48	145		
WNW	1	18	36	29	15	18	117		
NW	1	5	10	4	0	0	20		
WNN	0	14	9	3	0	0	26		
Variable	0	0	0	0	0	0	0		
Total	18	173	244	202	118	84	839		

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: January - March 2019
Stability Class - Moderately Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

1	wind speed (in mpn)									
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total			
N	1	8	1	0	0	0	10			
NNE	0	0	1	0	0	0	1			
NE	0	1	2	0	0	0	3			
ENE	1	4	5	3	0	0	13			
E	1	4	12	2	0	0	19			
ESE	1	4	0	1	0	0	6			
SE	0	7	2	4	0	0	13			
SSE	0	6	9	4	0	0	19			
S	2	5	9	5	0	0	21			
SSW	0	6	6	7	0	0	19			
SW	0	3	10	11	0	0	24			
WSW	2	1	9	4	1	0	17			
W	1	11	9	7	4	1	33			
WNW	0	12	5	1	1	4	23			
NW	1	4	2	0	0	0	7			
NNW	1	4	1	0	0	0	6			
Variable	0	0	0	0	0	0	0			
Total	11	80	83	49	6	5	234			

Hours of calm in this stability class:

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: January - March 2019
Stability Class - Extremely Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

wind Speed (in mpn)							
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total
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	1	0	0	0	0	0	1,
E	0	0	0	0	0	0	0
ESE	0	4	0	0	0	0	4
SE	0	12	3	0	0	0	15
SSE	0	14	7	0	0	0	21
S	0	5	12	5	0	0	22
SSW	0	2	12	14	0	0	28
SW	0	6	2	2	0	0	10
WSW	0	4	1	0	0	0	5
W	0	5	7	0	0	0	12
WNW	2	3	1	0	0	0	6
NW	1	3	0	0	0	0	4
NNW	0	1	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	4	60	45	21	0	0	130

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:

LaSalle County Generating Station

Period of Record: January - March 2019
Stability Class - Extremely Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

	wind Speed (in mpn)								
Wind Direction	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		
ИМ	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: 7

LaSalle County Generating Station

Period of Record: January - March 2019
Stability Class - Moderately Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

Wind Speed (In Mpn)							
Wind Direction	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	1	0	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	1	0	1

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class:

LaSalle County Generating Station

Period of Record: January - March 2019
Stability Class - Slightly Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

***	wind Speed (in mpn)								
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total		
N	0	0	0	0	0	0	0		
NNE	0	0	0	4	1	0	5		
NE	0	0	0	0	0	0	0		
ENE	0	0	0	0	0	0	0		
E	0	0	0	0	0	0	0		
ESE	0	0	4	0	0	0	4		
SE	0	0	0	1	0	0	1		
SSE	0	0	3	0	0	0	3		
S	0	0	0	1	0	0	1		
SSW	0	0	0	2	0	0	2		
SW	0	0	0	0	0	0	0		
WSW	0	0	0	2	2	0	4		
W	0	0	0	0	2	0	2		
WNW	0	0	0	1	0	1	2		
NW	0	0	0	2	0	0	2		
MNM	0	0	0	0	0	0	0		
Variable	0	0	0	0	0	0	0		
Total	0	0	7	13	5	1	26		

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 4

LaSalle County Generating Station

Period of Record: January - March 2019
Stability Class - Neutral - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

****	wind speed (in mpn)								
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total		
N	0	12	30	43	18	13	116		
NNE	2	13	18	10	6	10	59		
NE	0	7	15	20	17	9	68		
ENE	0	5	26	27	27	19	104		
E	1	8	23	40	37	12	121		
ESE	0	12	33	35	22	17	119		
SE	1	3	12	11	1	5	33		
SSE	0	5	6	11	4	4	30		
S	2	2	3	4	5	7	23		
SSW	1	5	5	4	2	3	20		
SW	1	7	11	8	6	2	35		
WSW	0	2	7	22	22	19	72		
W	0	0	13	17	37	59	126		
WNW	1	6	23	55	51	60	196		
NM	2	11	26	43	29	28	139		
NNW	0	10	18	53	23	4	108		
Variable	0	0	0	0	0	0	0		
Total	11	108	269	403	307	271	1369		

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 40

LaSalle County Generating Station

Period of Record: January - March 2019 Stability Class - Slightly Stable - 375Ft-33Ft Delta-T (F) Winds Measured at 375 Feet

Wind Speed (in mph)

F.7.2	wind Speed (in mph)							
Wind Direction	1-3	4-7 	8-12	13-18	19-24	> 24	Total	
N	0	2	3	4	2	0	11	
NNE	0	2	9	8	2	0	21	
NE	0	3	7	3	9	0	22	
ENE	1	4	4	5	3	0	17	
E	0	1	3	11	8	6	29	
ESE	1	0	8	7	4	6	26	
SE	0	5	15	3	0	10	33	
SSE	0	0	5	2	3	20	30	
S	0	1	7	17	6	21	52	
SSW	0	2	2	3	3	11	21	
SW	0	0	4	4	2	16	26	
WSW	0	0	3	3	16	8	30	
W	2	1	9	9	12	18	51	
WNW	0	1	7	23	9	54	94	
NW	1	2	11	14	6	4	38	
NNW	0	1	3	1	2	0	7	
Variable	0	0	0	0	0	0	0	
Total	5	25	100	117	87	174	508	

Hours of calm in this stability class:

Hours of missing wind measurements in this stability class: 14

LaSalle County Generating Station

Period of Record: January - March 2019
Stability Class - Moderately Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

	wind Speed (in mpn)							
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total	
N	0	1	1	0	0	0	2	
NNE	0	0	0	0	2	0	2	
NE	0	0	0	0	1	0	1	
ENE	1	0	3	0	0	0	4	
E	0	1	0	0	0	0	1	
ESE	1	1	0	2	3	0	7	
SE	1	1	1	9	1	0	13	
SSE	0	0	2	14	0	2	18	
S	0	0	4	4	2	0	10	
SSW	0	1	3	5	11	12	32	
SW	0	0	2	3	8	16	29	
WSW	0	0	9	2	2	0	13	
W	0	0	3	1	3	0	7	
WNW	1	1	1	3	5	0	11	
NW	0	0	0	9	2	0	11	
NNW	1	0	0	2	1	0	4	
Variable	0	0	0	0	0	0	0	
Total	5	6	29	54	41	30	165	

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class:

LaSalle County Generating Station

Period of Record: January - March 2019
Stability Class - Extremely Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

777	wind Speed (in mpn)							
Wind Direction	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	1	0	0	1	
S	0	0	0	4	4	2	10	
SSW	0	0	0	0	0	10	10	
SW	0	0	0	0	0	2	2	
WSW	0	0	0	1	0	0	1	
W	0	0	0	0	1	0	1	
WNW	0	0	0	0	0	0	0	
NM	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	6	5	14	25	

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: April - June 2019
Stability Class - Extremely Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

ratio A	Wind Speed (III mpi)							
Wind Direction	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	1	0	0	1	
ESE	0	0	0	0	0	0	0	
SE	0	0	0	0	0	0	0	
SSE	0	0	0	0	0	0	0	
S	0	0	1	3	2	0	6	
SSW	0	0	0	4	3	0	7	
SW	0	0	0	0	7	5	12	
WSW	0	0	0	0	0	1	1	
W	0	0	0	1	0	0	1	
WNW	0	0	0	0	0	0	0	
NM	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	9	12	6	28	

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: April - June 2019 Stability Class - Moderately Unstable - 200Ft-33Ft Delta-T (F) Winds Measured at 33 Feet

Wind Speed (in mph)

rai		wind Speed (in mpn)									
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total				
N	0	0	0	1	0	0	1				
NNE	0	0	0	1	3	0	4				
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	4	3	0	7				
SE	0	0	0	0	0	0	0				
SSE	0	0	1	2	0	0	3				
S	0	0	1	1	2	0	4				
SSW	0	0	2	7	1	0	10				
SW	0	0	1	3	1	0	5				
WSW	0	0	3	5	0	1	9				
W	0	1	2	5	0	0	8				
WNW	0	0	2	3	1	0	6				
NW	0	0	0	1	0	0	1				
WNN	0	0	0	0	0	0	0				
Variable	0	0	0	0	0	0	0				
Total	0	1	12	33	11	1	58				

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: April - June 2019
Stability Class - Slightly Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

Wind				, —	-,		
Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	3	6	0	0	9
NNE	0	0	0	2	0	0	2
NE	0	2	2	1	0	0	5
ENE	0	0	2	2	0	0	4
E	0	0	2	12	1	0	15
ESE	0	0	1	1	2	0	4
SE	0	0	0	1	0	0	1
SSE	0	0	1	1	0	0	2
S	0	1	3	3	2	0	9
SSW	0	5	5	5	4	0	19
SW	0	6	7	7	3	1	24
WSW	0	7	5	6	1	0	19
W	0	7	6	6	1	0	20
WNW	0	3	4	1	1	0	9
NW	0	1	4	4	3	0	12
NNW	0	0	2	6	4	0	12
Variable	0	0	0	0	0	0	0
Total	0	32	47	64	22	1	166

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: April - June 2019 Stability Class - Neutral - 200Ft-33Ft Delta-T (F) Winds Measured at 33 Feet

Wind Speed (in mph)

	wind Speed (in mpn)								
Wind Direction	1-3	4-7 -	8-12	13-18	19-24	> 24	Total		
N	4	47	22	19	0	0	92		
NNE	3	36	39	10	2	0	90		
NE	0	12	48	36	1	1	98		
ENE	1	24	31	57	17	15	145		
E	1	10	24	37	19	2	93		
ESE	1	5	11	4	3	0	24		
SE	2	2	10	9	1	0	24		
SSE	0	2	4	4	0	1	11		
S	1	3	6	5	3	0	18		
SSW	2	9	11	25	6	0	53		
SW	1	14	26	17	7	1	66		
WSW	0	11	17	16	1	1	46		
W	2	14	19	23	5	0	63		
WNW	2	19	23	21	2	0	67		
NW	0	13	26	17	3	0	59		
NNW	1	14	42	24	16	2	99		
Variable	0	0	0	0	0	0	0		
Total	21	235	359	324	86	23	1048		

Hours of calm in this stability class:

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: April - June 2019
Stability Class - Slightly Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

*** 1	wind opeca (in mpi)									
Wind Direction	1-3	4-7 	8-12	13-18	19-24	> 24	Total			
N	4	13	4	7	0	0	28			
NNE	0	8	3	2	0	0	13			
NE	3	8	6	0	0	0	17			
ENE	1	6	31	7	0	0	45			
E	0	22	30	5	1	1	59			
ESE	1	9	15	4	2	0	31			
SE	0	8	8	4	0	0	20			
SSE	5	5	9	7	1	0	27			
S	1	4	13	20	1	0	39			
SSW	0	10	14	23	1	0	48			
SW	0	4	15	20	0	0	39			
WSW	1	7	23	23	1	0	55			
W	4	6	8	8	0	0	26			
WNW	2	8	11	5	0	0	26			
NW	1	8	6	1	0	0	16			
NNW	3	8	2	0	. 0	0	13			
Variable	0	0	0	0	0	0	0			
Total	26	134	198	136	7	1	502			

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: April - June 2019
Stability Class - Moderately Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

*** 131	wind speed (in mpn)								
Wind Direction	1-3	4-7 	8-12	13-18	19-24	> 24	Total		
N	1	2	0	0	0	0	3		
NNE	0	1	0	0	0	0	1		
NE	3	0	0	0	0	0	3		
ENE	1	2	1	0	0	0	4		
E	0	18	4	0	0	0	22		
ESE	7	17	2	0	0	0	26		
SE	3	10	4	0	0	0	17		
SSE	4	5	9	6	0	0	24		
S	1	6	10	8	0	0	25		
SSW	0	9	16	10	0	0	35		
SW	1	8	15	4	0	0	28		
WSW	1	7	20	7	0	0	35		
W	1	9	11	0	0	0	21		
WNW	1	10	4	0	0	0	15		
NW	2	1	0	0	0	0	3		
NNW	1	2	0	0	0	0	3		
Variable	0	0	0	0	0	0	0		
Total	27	107	96	35	0	0	265		

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

LaSalle County Generating Station

Period of Record: April - June 2019
Stability Class - Extremely Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

	Wind Speed (in mpn)									
Wind Direction	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	1	0	0	0	0	1			
ESE	2	8	0	0	0	0	10			
SE	0	5	6	0	0	0	11			
SSE	0	3	5	3	0	0	11			
S	4	10	3	1	0	0	18			
SSW	0	3	15	0	0	0	18			
SW	0	9	7	2	0	0	18			
WSW	2	9	1	1	0	0	13			
W	0	6	1	1	0	0	8			
WNW	0	4	1	0	0	0	5			
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	8	58	39	8	0	0	113			

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: April - June 2019 Stability Class - Extremely Unstable - 375Ft-33Ft Delta-T (F) Winds Measured at 375 Feet

Wind Speed (in mph)

Tild mod		***	ma bpccc	, (111 mp	• /		
Wind Direction	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:

Hours of missing stability measurements in all stability classes:

LaSalle County Generating Station

Period of Record: April - June 2019
Stability Class - Moderately Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

E7.53		Willa bpeed (in mpn)								
Wind Direction	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	2	1	3			
SW	0	0	0	0	1	6	7			
WSW	0	0	0	0	0	2	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	1	1			
Variable	0	0	0	0	0	0	0			
Total	0	0	0	0	3	10	13			

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: April - June 2019
Stability Class - Slightly Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

***	wind Speed (in mpn)								
Wind Direction	1-3	4-7 	8-12	13-18	19-24	> 24	Total		
N	0	0	0	1	5	0	6		
NNE	0	0	0	0	0	4	4		
NE	0	0	0	0	0	0	0		
ENE	0	0	0	0	0	0	0		
E	0	0	0	0	1	0	1		
ESE	0	0	0	2	0	1	3		
SE	0	0	0	0	0	0	0		
SSE	0	0	1	0	0	0	1		
S	0	0	0	4	1	2	7		
SSW	0	0	1	0	7	0	8		
SW	0	0	0	0	0	4	4		
WSW	0	0	0	2	0	1	3		
W	0	0	0	2	0	0	2		
WNW	0	0	0	1	0	0	1		
NW	0	0	0	0	0	0	0		
MNW	0	0	0	1	0	1	2		
Variable	0	0	0	0	0	0	0		
Total	0	0	2	13	14	13	42		

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: April - June 2019
Stability Class - Neutral - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

rati cont	wind Speed (in mpn)								
Wind Direction	1-3	4-7 	8-12	13-18	19-24	> 24	Total		
N	2	19	27	30	17	7	102		
NNE	1	16	35	17	11	7	87		
NE	0	12	29	45	36	4	126		
ENE	1	14	16	40	62	28	161		
E	1	0	11	20	24	38	94		
ESE	1	6	7	17	11	11	53		
SE	0	2	1	10	5	1	19		
SSE	1	1	2	6	3	3	16		
S	0	5	6	9	12	7	39		
SSW	2	7	17	16	20	19	81		
SW	2	9	30	21	21	9	92		
WSW	1	10	14	23	18	8	74		
W	0	10	20	24	20	8	82		
WNW	1	12	19	22	16	5	75		
NM	0	13	15	33	17	16	94		
NNW	0	9	24	19	16	20	88		
Variable	0	0	0	0	0	0	0		
Total	13	145	273	352	309	191	1283		

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

LaSalle County Generating Station

Period of Record: April - June 2019
Stability Class - Slightly Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

7.7.2 a)		***	na bpccc	, (111 mp)	-,		
Wind Direction	1-3 - 	4-7 	8-12 	13-18	19-24	> 24	Total
N	1	2	8	2	7	4	24
NNE	1	3	9	3	4	0	20
NE	1	6	8	3	0	1	19
ENE	0	3	14	10	9	0	36
E	1	1	11	36	9	7	65
ESE	0	1	5	23	9	1	39
SE	4	3	5	17	4	5	38
SSE	0	3	6	2	4	2	17
S	1	3	2	12	12	23	53
SSW	0	4	4	9	18	35	70
SW	2	0	7	13	20	14	56
WSW	0	2	7	17	31	13	70
W	1	2	4	13	18	9	47
WNW	1	1	6	7	10	3	28
NW	1	1	6	19	4	2	33
NNW	0	5	4	5	1	0	15
Variable	0	0	0	0	0	0	0
Total	14	40	106	191	160	119	630

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: April - June 2019 Stability Class - Moderately Stable - 375Ft-33Ft Delta-T (F) Winds Measured at 375 Feet

Wind Speed (in mph)

F.7.1 1	Willa bpeca (in hipir)									
Wind Direction	1-3	4-7 	8-12	13-18	19-24	> 24	Total			
N	0	0	1	2	0	0	3			
NNE	0	1	0	0	0	0	1			
NE	0	0	0	0	0	0	0			
ENE	0	1	0	0	0	0	1			
E	0	0	0	1	0	0	1			
ESE	1	3	7	3	0	0	14			
SE	1	2	8	7	1	0	19			
SSE	3	0	5	4	8	3	23			
S	1	3	3	2	4	12	25			
SSW	1	2	1	6	0	1	11			
SW	0	0	6	11	7	0	24			
WSW	0	3	3	2	1	4	13			
W	1	3	3	10	2	7	26			
WNW	0	1	5	5	0	0	11			
NW	0	0	5	5	5	0	15			
NNW	0	1	0	2	0	0	3			
Variable	0	0	0	0	0	0	0			
Total	8	20	47	60	28	27	190			

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: April - June 2019
Stability Class - Extremely Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

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

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: July - September 2019 Stability Class - Extremely Unstable - 200Ft-33Ft Delta-T (F) Winds Measured at 33 Feet

Wind Speed (in mph)

777		wind speed (in mpn)								
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total			
N	0	0	0	0	0	0	0			
NNE	0	0	0	0	0	0	0			
NE	0	0	1	0	0	0	1			
ENE	0	0	1	0	0	0	1			
E	0	0	3	0	0	0	3			
ESE	0	0	1	1	0	0	2			
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	1	0	0	4			
SW	0	0	5	9	1	0	15			
WSW	0	0	4	1	0	0	5			
W	0	0	13	3	1	0	17			
WNW	0	0	3	3	0	0	6			
NW	0	0	2	0	0	0	2			
NNW	0	0	0	0	0	0	0			
Variable	0	0	0	0	0	0	0			
Total	0	0	37	18	2	0	57			

Hours of calm in this stability class:

Hours of missing wind measurements in this stability class:

LaSalle County Generating Station

Period of Record: July - September 2019 Stability Class - Moderately Unstable - 200Ft-33Ft Delta-T (F) Winds Measured at 33 Feet

Wind Speed (in mph)

ta! a		***	ma opec	~ (±11 mp1	- /		
Wind Direction	1-3	4-7 	8-12 	13-18	19-24	> 24	Total
N	0	0	1	0	0	0	1
NNE	0	0	1	0	0	0	1
NE	0	0	0	0	0	0	0
ENE	0	0	3	0	0	0	3
E	0	0	3	2	0	0	5
ESE	0	0	1	1	0	0	2
SE	0	0	0	0	0	0	0
SSE	0	0	0	1	0	0	1
S	0	1	2	1	0	0	4
SSW	0	0	6	1	1	0	8
SW	0	0	6	13	0	0	19
WSW	0	5	10	5	2	0	22
W	0	3	22	5	2	0	32
WNW	0	4	10	0	0	0	14
NM	0	2	2	0	0	0	4
MNM	0	0	1	2	0	0	3
Variable	0	0	0	0	0	0	0
Total	0	15	68	31	5	0	119

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: July - September 2019
Stability Class - Slightly Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

7.7		Wind Speed (III MpII)									
Wind Direction	1-3	4-7 	8-12	13-18	19-24	> 24	Total				
N	0	1	4	0	0	0	5				
NNE	0	2	4	0	0	0	6				
NE	0	4	4	0	0	0	8				
ENE	0	1	1	0	0	0	2				
E	0	4	5	2	0	0	11				
ESE	0	7	4	0	0	0	11				
SE	0	6	1	0	0	0	7				
SSE	0	3	0	0	0	0	3				
S	0	3	1	0	1	0	5				
SSW	0	1	6	2	1	0	10				
SW	0	3	7	18	0	0	28				
WSW	0	5	11	1	0	0	17				
W	0	7	11	4	2	0	24				
WNW	0	7	10	0	0	0	17				
NW	0	6	4	3	0	0	13				
NNW	0	2	3	2	0	0	7				
Variable	0	0	0	0	0	0	0				
Total	0	62	76	32	4	0	174				

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class:

Hours of missing stability measurements in all stability classes:

LaSalle County Generating Station

Period of Record: July - September 2019
Stability Class - Neutral - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

		wind opeca (in mpn)								
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total			
N	2	28	19	2	0	0	51			
NNE	5	27	16	0	0	0	48			
NE	2	23	29	7	0	0	61			
ENE	1	16	22	12	0	0	51			
E	1	11	37	3	0	0	52			
ESE	2	12	14	0	0	0	28			
SE	3	11	12	0	0	0	26			
SSE	1	12	12	1	0	0	26			
S	1	6	15	6	0	0	28			
SSW	1	10	20	18	2	0	51			
SW	1	10	23	23	0	0	57			
WSW	0	8	23	10	0	0	41			
W	5	15	12	5	1	0	38			
WNW	1	12	23	2	0	0	38			
NW	4	14	18	1	0	0	37			
NNW	2	23	32	6	1	0	64			
Variable	0	0	0	0	0	0	0			
Total	32	238	327	96	4	0	697			

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes:

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LaSalle County Generating Station

Period of Record: July - September 2019
Stability Class - Slightly Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

***	wind Speed (in mpn)								
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total		
N	3	41	2	0	0	0	46		
NNE	3	24	4	0	0	0	31		
NE	2	9	14	0	0	0	25		
ENE	3	11	22	0	0	0	36		
Е	0	29	32	3	0	0	64		
ESE	2	8	4	0	0	0	14		
SE	4	7	5	1	0	0	17		
SSE	2	13	10	5	0	0	30		
S	6	10	31	9	0	0	56		
SSW	1	15	46	10	0	0	72		
SW	5	5	40	9	0	0	59		
WSW	5	16	21	0	0	0	42		
W	0	16	9	2	0	0	27		
WNW	2	13	21	1	0	0	37		
NW	4	17	7	0	0	0	28		
NNW	4	24	3	1	0	0	32		
Variable	0	0	0	0	0	0	0		
Total	46	258	271	41	0	0	616		

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: July - September 2019
Stability Class - Moderately Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

***	wind opeed (in mpn)									
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total			
N	0	17	0	0	0	0	17			
NNE	2	5	0	0	0	0	7			
NE	0	2	0	0	0	0	2			
ENE	3	1	0	0	0	0	4			
E	1	26	6	0	0	0	33			
ESE	0	10	0	0	0	0	10			
SE	1	13	1	0	0	0	15			
SSE	2	9	1	0	0	0	12			
S	1	25	19	0	0	0	45			
SSW	3	22	17	0	0	0	42			
SW	1	12	10	0	0	0	23			
WSW	4	17	17	0	0	0	38			
W	5	16	10	0	0	0	31			
WNW	2	19	1	0	0	0	22			
NW	0	2	0	0	0	0	2			
NNW	4	12	0	0	0	0	16			
Variable	0	0	0	0	0	0	0			
Total	29	208	82	0	0	0	319			

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:

LaSalle County Generating Station

Period of Record: July - September 2019
Stability Class - Extremely Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

	wind Speed (in mpn)								
Wind Direction	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	10	2	0	0	0	12		
ESE	0	25	0	0	0	0	25		
SE	0	30	0	0	0	0	30		
SSE	0	13	2	0	0	0	15		
S	1	33	6	0	0	0	40		
SSW	1	30	7	0	0	0	38		
SW	0	22	5	0	0	0	27		
WSW	0	9	5	0	0	0	14		
W	2	11	0	0	0	0	13		
WNW	3	9	0	0	0	0	12		
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	7	192	27	0	0	0	226		

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: July - September 2019 Stability Class - Extremely Unstable - 375Ft-33Ft Delta-T (F) Winds Measured at 375 Feet

Wind Speed (in mph)

	wind speed (in mpn)									
Wind Direction	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:

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: July - September 2019
Stability Class - Moderately Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

	wind speed (in mpn)								
Wind Direction	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	1	0	0	1		
ESE	0	0	0	0	0	0	0		
SE	0	0	0	0	0	0	0		
SSE	0	0	0	0	0	0	0		
S	0	0	0	0	0	0	0		
SSW	0	0	0	0	0	0	0		
SW	0	0	0	0	0	0	0		
WSW	0	0	0	0	1	0	1		
W	0	0	0	1	0	0	1		
WNW	0	0	0	1	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	0	0	0	4	1	0	5		

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class:

LaSalle County Generating Station

Period of Record: July - September 2019
Stability Class - Slightly Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

er!	wind Speed (in mpn)								
Wind Direction	1-3	4-7 	8-12	13-18	19-24	> 24	Total		
N	0	0	0	2	0	0	2		
NNE	0	0	0	1	0	0	1		
NE	0	0	0	0	0	0	0		
ENE	0	0	0	2	0	0	2		
E	0	0	2	2	0	0	4		
ESE	0	0	0	3	1	0	4		
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	2	1	0	4		
SW	0	0	0	7	5	2	14		
WSW	0	0	1	4	0	0	5		
W	0	1	8	8	1	1	19		
WNW	0	1	6	8	1	0	16		
NW	0	0	5	3	0	0	8		
NNW	0	0	0	0	2	0	2		
Variable	0	0	0	0	0	0	0		
Total	0	2	23	42	12	3	82		

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

LaSalle County Generating Station

Period of Record: July - September 2019
Stability Class - Neutral - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

***	wind speed (in mpn)								
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total		
N	2	12	39	21	3	0	77		
NNE	1	14	20	9	1	0	45		
NE	0	14	19	26	13	0	72		
ENE	0	12	19	26	11	0	68		
E	3	6	27	24	5	0	65		
ESE	1	16	19	7	1	0	44		
SE	1	12	9	4	1	0	27		
SSE	3	12	15	3	2	0	35		
S	1	4	13	12	4	1	35		
SSW	0	6	18	19	13	8	64		
SW	1	6	7	50	36	3	103		
WSW	2	8	25	39	9	0	83		
W	0	13	23	32	11	7	86		
WNW	2	17	20	15	1	0	55		
NW	2	12	37	17	8	0	76		
NNW	2	11	20	7	6	0	46		
Variable	0	0	0	0	0	0	0		
Total	21	175	330	311	125	19	981		

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class:

LaSalle County Generating Station

Period of Record: July - September 2019
Stability Class - Slightly Stable - 375Ft-33Ft Delta-T (F) Winds Measured at 375 Feet

Wind Speed (in mph)

771	Wind Speed (in mph)							
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total	
N	1	4	9	18	8	0	40	
NNE	0	3	13	22	0	0	38	
NE	0	6	20	14	3	0	43	
ENE	2	4	13	24	2	0	45	
E	0	5	17	26	13	0	61	
ESE	3	4	6	21	7	0	41	
SE	0	2	9	5	2	0	18	
SSE	0	3	5	6	2	1	17	
S	2	3	11	7	7	15	45	
SSW	2	5	12	29	40	23	111	
SW	2	3	6	30	49	2	92	
WSW	0	4	14	17	21	0	56	
W	3	4	7	18	11	1	44	
WNW	3	10	9	16	5	0	43	
NW	2	5	7	9	10	0	33	
NNW	0	6	12	11	9	0	38	
Variable	0	0	0	0	0	0	0	
Total	20	71	170	273	189	42	765	

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

LaSalle County Generating Station

Period of Record: July - September 2019
Stability Class - Moderately Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

Wind											
Direction	1-3	4-7 	8-12	13-18	19-24	> 24	Total				
N	0	2	5	5	1	0	13				
NNE	2	0	0	2	0	0	4				
NE	2	1	1	0	0	0	4				
ENE	1	2	3	2	0	0	8				
E	0	1	0	1	1	0	3				
ESE	0	0	2	12	10	0	24				
SE	0	1	6	19	5	0	31				
SSE	0	1	10	11	3	1	26				
S	0	5	8	18	3	2	36				
SSW	0	3	11	21	13	5	53				
SW	1	1	7	13	9	0	31				
WSW	0	3	6	14	3	0	26				
W	0	4	6	17	8	4	39				
WNW	1	2	5	6	1	0	15				
NW	1	0	8	2	0	0	11				
NNW	1	0	8	3	1	0	13				
Variable	0	0	0	0	0	0	0				
Total	9	26	86	146	58	12	337				

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: July - September 2019
Stability Class - Extremely Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

r* 1		wind bpeed (in mpn)								
Wind Direction	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	1	0	0	1			
SSE	0	0	0	9	0	0	9			
S	0	0	0	2	4	0	6			
SSW	0	0	0	1	0	0	1			
SW	0	0	0	4	3	0	7			
WSW	0	1	2	4	0	0	7			
W	0	0	0	4	0	0	4			
WNW	0	0	0	1	0	0	1			
NW	0	0	0	0	0	0	0			
NNW	0	0	0	0	2	0	2			
Variable	0	0	0	0	0	0	0			
Total	0	1	2	26	9	0	38			

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: October - December2019
Stability Class - Extremely Unstable - 200Ft-33Ft Delta-T (F) Winds Measured at 33 Feet

Wind Speed (in mph)

	wind speed (in mpn)								
Wind Direction	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:

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

LaSalle County Generating Station

Period of Record: October - December2019
Stability Class - Moderately Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

Wind					3.3 •		
Direction	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	1	0	0	1
SSW	0	0	0	0	0	0	0
SW	0	0	0	1	4	0	5
WSW	0	0	0	1	0	0	1
M	0	0	0	0	0	0	0
MNM	0	0	0	0	0	0	0
ИM	0	0	0	0	0	0	0
NNM	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	3	4	0	7

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: October - December2019
Stability Class - Slightly Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

en !	Willa Speed (III MpII)									
Wind Direction	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	1	0	0	0	1			
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	2	1	0	0	3			
S	0	1	3	0	0	0	4			
SSW	0	0	0	2	0	0	2			
SW	0	0	1	5	2	0	8			
WSW	0	1	3	3	2	0	9			
W	0	0	0	0	1	0	1			
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	11	13	5	0	31			

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class:

Hours of missing stability measurements in all stability classes:

LaSalle County Generating Station

Period of Record: October - December2019
Stability Class - Neutral - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

7.7.2 A	nana spood (an mpn)									
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total			
N	0	31	48	30	0	0	109			
NNE	1	13	16	7	0	0	37			
NE	1	3	2	2	0	0	8			
ENE	0	5	10	11	0	0	26			
E	0	12	15	10	3	1	41			
ESE	0	6	7	7	5	1	26			
SE	1	4	11	3	0	0	19			
SSE	2	5	16	9	0	0	32			
S	2	7	22	15	4	0	50			
SSW	1	9	26	15	6	1	58			
SW	0	11	32	24	4	1	72			
WSW	0	14	10	27	15	16	82			
W	3	20	34	46	19	1	123			
WNW	2	29	47	65	27	0	170			
NW	2	21	31	29	4	0	87			
NNW	1	24	37	56	15	0	133			
Variable	0	0	0	0	0	0	0			
Total	16	214	364	356	102	21	1073			

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class:

LaSalle County Generating Station

Period of Record: October - December2019
Stability Class - Slightly Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

777		wind Speed (in mpn)								
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total			
N	2	17	2	0	0	0	21			
NNE	0	1	0	0	0	0	1			
NE	3	3	0	0	0	0	6			
ENE	2	2	10	0	0	0	14			
E	2	8	14	4	0	0	28			
ESE	1	5	8	8	3	0	25			
SE	4	5	9	5	5	0	28			
SSE	2	6	12	6	5	0	31			
S	1	10	23	25	4	0	63			
SSW	0	11	26	31	8	0	76			
SW	4	4	27	15	7	1	58			
WSW	2	17	28	14	3	1	65			
W	1	14	18	19	2	11	65			
WNW	8	11	14	3	3	2	41			
NW	0	5	3	3	0	0	11			
NNW	0	9	11	1	0	0	21			
Variable	0	0	0	0	0	0	0			
Total	32	128	205	134	40	15	554			

Hours of calm in this stability class: 0

LaSalle County Generating Station

Period of Record: October - December2019
Stability Class - Moderately Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

Wind										
Direction	1-3	4-7	8-12 	13-18	19-24	> 24	Total			
N	0	2	0	0	0	0	2			
NNE	1	1	0	0	0	0	2			
NE	0	0	0	0	0	0	0			
ENE	1	3	0	0	0	0	4			
E	1	19	15	0	0	0	35			
ESE	1	17	5	0	0	0	23			
SE	2	18	6	0	0	0	26			
SSE	1	5	12	3	0	0	21			
S	1	7	24	5	0	0	37			
SSW	1	7	25	6	0	0	39			
SW	1	5	24	3	0	0	33			
WSW	1	7	26	6	0	0	40			
W	3	20	17	1	0	0	41			
WNW	1	11	6	0	0	0	18			
NW	0	1	1	0	0	0	2			
NNW	0	1	0	0	0	0	1			
Variable	0	0	0	0	0	0	0			
Total	15	124	161	24	0	0	324			

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: October - December2019
Stability Class - Extremely Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

fa2			and open	, (±11 111p1	- /		
Wind Direction	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	1	0	0	0	0	0	1
Е	0	9	7	0	0	0	16
ESE	0	15	3	0	0	0	18
SE	3	27	4	0	0	0	34
SSE	1	19	9	0	0	0	29
S	0	8	11	2	0	0	21
SSW	0	18	31	4	0	0	53
SW	0	8	12	4	0	0	24
WSW	1	7	5	1	0	0	14
W	0	2	1	0	0	0	3
WNW	0	2	0	0	0	0	2
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	115	83	11	0	0	215

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: October - December2019
Stability Class - Extremely Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

ration of	wind bpeed (in mpn)						
Wind Direction	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

LaSalle County Generating Station

Period of Record: October - December2019
Stability Class - Moderately Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

total and	mana spood (211 mpn)									
Wind Direction	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

LaSalle County Generating Station

Period of Record: October - December2019
Stability Class - Slightly Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

7.7 d al	wind open (in mpi)							
Wind Direction	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	1	2	3	
WSW	0	0	0	0	1	0	1,	
W	0	0	0	0	0	0	0	
WNW	0	0	0	0	0	0	0	
NM	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	2	2	4	

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

LaSalle County Generating Station

Period of Record: October - December2019 Stability Class - Neutral - 375Ft-33Ft Delta-T (F) Winds Measured at 375 Feet

Wind Speed (in mph)

	wind speed (in mpn)							
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total	
N	0	13	23	25	31	7	99	
NNE	1	8	29	15	1	4	58	
NE	0	3	8	5	2	2	20	
ENE	0	1	7	9	10	0	27	
E	1	8	5	5	9	6	34	
ESE	0	5	5	10	8	7	35	
SE	0	5	2	11	4	0	22	
SSE	1	3	5	17	2	2	30	
S	1	2	18	19	16	8	64	
SSW	0	5	13	18	19	11	66	
SW	0	3	21	39	17	18	98	
WSW	1	9	14	20	20	24	88	
W	1	2	16	23	41	32	115	
WNW	0	17	29	46	44	27	163	
NW	0	10	36	41	47	10	144	
NNW	0	22	18	34	27	13	114	
Variable	0	0	0	0	0	0	0	
Total	6	116	249	337	298	171	1177	

Hours of calm in this stability class:

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: October - December2019
Stability Class - Slightly Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

7.7.2 al	mina opeca (in mpi)							
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total	
N	0	1	6	5	7	0	19	
NNE	0	4	9	4	0	0	17	
NE	0	6	6	2	0	0	14	
ENE	1	1,	2	5	1	0	10	
E	1	3	4	7	15	0	30	
ESE	2	3	3	7	9	4	28	
SE	0	3	2	7	8	11	31	
SSE	0	3	1	7	6	10	27	
S	0	2	10	8	16	14	50	
SSW	4	3	6	19	22	43	97	
SW	0	6	5	11	29	19	70	
WSW	0	4	3	20	19	15	61	
W	0	7	8	23	24	13	75	
WNW	1	6	13	12	11	28	71	
NW	3	2	7	19	7	1	39	
NNW	1	1	8	8	6	0	24	
Variable	0	0	0	0	0	0	0	
Total	13	55	93	164	180	158	663	

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

LaSalle County Generating Station

Period of Record: October - December2019
Stability Class - Moderately Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

*** 1	wind bpeed (in mpi)							
Wind Direction	1-3	4-7 	8-12	13-18	19-24	> 24	Total	
N	0	1	1	0	0	0	2	
NNE	0	0	0	0	0	0	0	
NE	1	1	0	0	0	0	2	
ENE	0	1	0	0	0	0	1	
E	1	3	3	3	1	0	11	
ESE	0	1	3	6	4	1	15	
SE	0	0	10	12	10	1	33	
SSE	0	3	3	9	6	3	24	
S	0	3	7	12	11	13	46	
SSW	0	3	2	7	7	11	30	
SW	0	3	1	9	24	17	54	
WSW	0	0	6	15	3	8	32	
W	0	1	4	8	6	1	20	
WNW	2	0	1	15	1	0	19	
NW	0	1	0	2	1	0	4	
NNW	0	0	0	1	0	0	1	
Variable	0	0	0	0	0	0	0	
Total	4	21	41	99	74	55	294	

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

LaSalle County Generating Station

Period of Record: October - December2019
Stability Class - Extremely Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

	wind Speed (In hiph)							
Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total	
N	0	0	0	0	0	0	0	
NNE	1	0	0	0	0	0	1	
NE	0	0	0	0	0	0	0	
ENE	0	0	0	0	0	0	0	
E	0	0	0	0	0	0	0	
ESE	0	0	1	0	0	0	1	
SE	0	0	3	3	2	0	8	
SSE	0	0	3	12	3	3	21	
S	0	0	0	3	1	1	5	
SSW	0	0	2	0	0	1	3	
SW	0	0	7	6	3	8	24	
WSW	0	0	0	1	0	1	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	
MNM	0	0	0	0	0	0	0	
Variable	0	0	0	0	0	0	0	
Total	1	0	16	26	9	14	66	

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0