DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

Certified Mail No.

Activity No.: PER20040001
Agency Interest No. 11917

Jeff Baudier
President
Louisiana Generating, LLC
112 Telly St
New Roads, LA 70760

RE: Part 70 Operating Permit, Big Cajun 1 Power Plant (Steam)
Louisiana Generating, LLC, Jarreau, Pointe Coupee Parish, Louisiana

Dear Mr. Baudier:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the ___ of _____, 2012, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2007.

Permit No.: 2260-00007-V1

Sincerely,

Chuck Carr Brown Ph.D.
Assistant Secretary
CCB:dcd
c: EPA Region VI

ENVIRONMENTAL **SERVICES**
: PO BOX 4313, BATON ROUGE, LA 70821-4313
P:225-219-3181 F:225-219-3309
WWW.DEQ.LOUISIANA.GOV

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

I. Background

Big Cajun 1 Power Plant (Steam), an existing electric power generation facility owned by Louisiana Generating, LLC, began operation in 1972. The Big Cajun 1 Power Plant (Steam) currently operates under Permit Nos. 2260-00007-V0 and PSD-LA-660, issued December 8, 2000; as well as Permit No. 2260-00007-IV0, issued March 2, 2001.

This is the Part 70 operating permit modification for the facility and includes provisions for a modification to Permit Number PSD-LA-660.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Louisiana Generating LLC on May 24, 2006, requesting a Part 70 operating permit modification. Additional information dated July 13, 2006, September 22, 2006, October 4, 2006, March 15, 2007, and May 14, 2007, was also received.

III. Description

Big Cajun 1 Power Plant (Steam) is an electric generating plant located in New Roads, LA. The facility proposes to construct and operate a new circulating fluidized bed (CFB) boiler and associated fuel handling equipment.

The CFB boiler will be designed to fire petroleum coke, coal, bagasse, and non-chemically treated wood products, with a maximum heat input rate of 2,330 MMBTU/hr. The CFB Boiler will use natural gas as a startup fuel. In a CFB boiler, solid fuel and a sorbent (typically limestone) are jointly fed directly to the combustion chamber. Primary air is injected from the bottom of the combustion chamber to provide combustion air as well as to fluidize the burning bed. Fluidization of the bed allows for high heat transfer rates at relatively low combustion temperatures. Because of the turbulence and velocity in the circulating bed, the fuel mixes with the bed material quickly and uniformly. Secondary air is introduced at various levels to ensure solids circulation, provide staged combustion for NOx reduction as well as control of carbon monoxide (CO) and volatile organic compounds (VOCs), and supply air for continuous combustion in the upper part of the combustion chamber.

As fuel is added to the CFB boiler it is quickly heated above its ignition point, ignites and becomes part of the burning bed. The fuel particles are entrained within the bed until they are consumed or removed in either the gas stream or with the bed ash. Entrainment of the

fuel particles in the gas stream occurs when their size is in the range where the terminal and gas velocities are equal. As the fuel particle size decreases to the point that the terminal velocity is exceeded by the gas velocity, the particles are blown from the bed, collected by a particle separator, and returned to the boiler.

During Phase I of this project, the CFB Boiler (EQT 1) and the supporting equipment will be constructed. Boiler #1 and Boiler #2 will be decommissioned and dismantled. Until such time as this occurs, Boiler #1 and Boiler #2 will be fully operational in accordance with the terms and conditions of this permit.

Phase II of this project will begin on the date that the CFB Boiler (EQT 1) begins commercial operation. At no time will Boiler #1 and/or Boiler #2 and the CFB Boiler be operated concurrently.

With this modification, Big Cajun 1 Power Plant (Steam) proposes to:

- Construct and operate a CFB Boiler (EQT 1)
- Construct and operate numerous associated material handling equipment
- Remove from the site two existing natural gas fired boilers (EQT 10 and EQT 11)

Estimated emissions in tons per year are as follows:

The emissions shown in the following tables indicate the emissions associated with Phase I. Phase I encompasses the time between the date of issuance of this permit and the date that the CFB Boiler (EQT 1) begins commercial operation. Phase I emissions increases and decreases are strictly due to use of updated emission factors. For sulfur dioxide, the emissions change is due to the fact that sulfur dioxide emissions that result from the combustion of fuel oil were not represented in the previous permit. No physical changes or changes in the method of operation are associated with Phase I emissions increases or decreases.

Pollutant	Before	Phase I Emissions	Change
PM_{10}	149.95	258.92	+ 108.97
SO_2	6.10	5048.22	+ 5042.12
NO_X	3365.36	3504.45	+ 139.09
CO	733.92	771.61	+ 37.69
VOC	43.72	43.52	- 0.20

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):		Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):	
Pollutant	Emissions	Pollutant	Emissions
Acetaldehyde	0.160	Ammonia	1.106
Acrolein	0.020	Arsenic (and compounds)	0.026
Benzene	0.052	Barium (and compounds)	0.028
1,4-Dichlorobenzene	0.008	Beryllium (Table 51.1)	0.018
Ethylbenzene	0.142	Cadmium (and compounds)	0.018
Formaldehyde	4.406	Chlorine	6.000
n-Hexane	11.130	Chromium VI (and compounds)	0.006
Naphthalene	0.056	Cobalt compounds	< 0.001
Polynuclear Aromatic Hydrocarbons	0.212	Copper (and compounds)	0.038
Propylene oxide	0.120	Lead compounds	0.056
Toluene	0.820	Manganese (and compounds)	0.038
Xylene	0.260	Mercury (and compounds)	0.018
		Nickel (and compounds)	0.018
		Selenium (and compounds)	0.094
		1,1,1-Trichloroethane	0.010
		Zinc (and compounds)	0.180
Total	17.386		7.654

Other VOC (TPY): 25.03

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

The emissions shown in the following tables indicate the emissions associated with Phase II. Phase II encompasses the time between the date that the CFB Boiler (EQT 1) begins commercial operation and the date of issuance of the renewal of this permit. The carbon monoxide total for Phase II reflects the BACT limitation of 0.15 lb CO/MMBTU that applies to the CFB Boiler (EQT 1) during the start-up and shut-down of the boiler. This is also reflected in the carbon monoxide emission limitation of 973.69 tons per year shown in the table entitled "Emission Rates for Criteria Pollutants".

Pollutant	Phase I Emissions	Phase II Emissions	Change
PM_{10}	258.92	223.23	- 35.69
NO_X	3504.45	1030.85	- 2473.60
SO_2	5048.22	1460.68	- 3587.54
CO	771.61	1225.50	+ 453.89
VOC	43.52	55.06	+ 11.54

LDEQ-EDMS Document 35989902, Page 356 of 832

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

VOC includes the following TAP:

1,1,2,2-Tetrachloroethane	0.012	n-Hexane	0.019
1,2-Dichloropropane	0.032	Isophorone	0.166
1,3-Butadiene	0.002	Methyl bromide	0.046
2,4,6-Trichlorophenol	< 0.001	Methyl chloride	0.152
2,4-Dinitrophenol	< 0.001	Methyl ethyl ketone	0.111
2,4-Dinitrotoluene	< 0.001	Methyl methacrylate	0.006
2-Methylnaphthalene	< 0.001	Methyl tertiary butyl ether	0.010
Acetaldehyde	1.113	Monomethyl hydrazine	0.049
Acetophenone	0.004	Naphthalene	0.107
Acrolein	3.980	Pentachloro-phenol	< 0.001
Benzene	4.460	Phenol	0.054
Benzyl chloride	0.200	PAH	0.142
Biphenyl	0.001	Propionaldehyde	0.109
Bromoform	0.011	Propylene oxide	0.120
Carbon disulfide	0.037	Styrene	1.853
Carbon tetrachloride	0.044	Toluene	0.956
Chlorinated dibenzo furans	0.000002	Trichloroethylene	0.029
Chlorinated dibenzo-p-dioxins	0.002	Vinyl acetate	0.002
Chlorobenzene	0.038	Vinyl chloride	0.017
Chloroethane	0.012	Xylenes	0.294
Chloroform	0.042	**Total**	21.742
Cumene	0.002		
Dimethyl sulfate	0.014		
Ethylbenzene	0.194		
Formaldehyde	7.300		

Non-VOC TAP:

1,1,1-Trichloroethane	0.035
Ammonia	26.406
Antimony (and compounds)	0.010
Arsenic (and compounds)	0.234
Barium (and compounds)	0.165
Beryllium (and compounds)	0.012
Cadmium (and compounds)	0.029
Chlorine	6.000
Chromium VI (and compounds)	0.045
Cobalt compounds	0.057
Copper (and compounds)	0.048
Cyanide compounds	0.715
Dichloromethane	0.356
Hydrochloric acid	3.430
Hydrofluoric acid	0.429
Lead compounds	0.240
Manganese (and compounds)	1.810
Mercury (and compounds)	0.146
Nickel (and compounds)	0.160
Selenium (and compounds)	0.743
Sulfuric acid	13.600
Thallium	< 0.001
Zinc (and compounds)	0.010
Total	54.680

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

Other VOC (TPY):	33.32

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, Prevention of Significant Deterioration (PSD), and New Source Performance Standards (NSPS). National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. However, electric utility steam generating units are exempt from the requirements of LAC 33:III.Chapter 51 per LAC 33:III.5105.B.2.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on **<date>**, 200X; and in the <local paper>, <local town>, on **<date>**, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on **<date>**. The draft permit was also submitted to US EPA Region VI on **<date>**. All comments will be considered prior to the final permit decision.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

VII. Effects on Ambient Air

Dispersion Model(s) Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
PM_{10}	24 hour average	114.4 $\mu g/m^3$	(150 $\mu g/m^3$)
SO_2	3 hour average	977.2 $\mu g/m^3$	(1300 $\mu g/m^3$)
	24 hour average	295.2 $\mu g/m^3$	(365 $\mu g/m^3$)

VIII. General Condition XVII Activities

None

IX. Insignificant Activities

ID No.:	Description	Citation
FGH-1	Fuel Gas Heater (5.3 MMBTU/hr)	LAC 33:III.501.B.5.A.1
-	CTG-1 Control Oil Reservoir (175 gallons)	LAC 33:III.501.B.5.A.2
-	CTG-2 Control Oil Reservoir (175 gallons)	LAC 33:III.501.B.5.A.2
-	Tractor Diesel Tank (350 gallons)	LAC 33:III.501.B.5.A.3
-	Fire Pump Diesel Tank (500 gallons)	LAC 33:III.501.B.5.A.3
-	CTG-1 Lube Oil Tank (4,500 gallons)	LAC 33:III.501.B.5.A.3
-	CTG-2 Lube Oil Tank (4,500 gallons)	LAC 33:III.501.B.5.A.3
-	Unit 1 Lube Oil Tank (3,720 gallons)	LAC 33:III.501.B.5.A.3
-	Unit 1 Lube Oil Storage Reservoir (2,280 gallons)	LAC 33:III.501.B.5.A.3
-	Unit 2 Lube Oil Tank (3,720 gallons)	LAC 33:III.501.B.5.A.3
-	Unit 2 Lube Oil Storage Reservoir (2,280 gallons)	LAC 33:III.501.B.5.A.3
-	Condensate Tank #1 (3,780 gallons)	LAC 33:III.501.B.5.A.3
-	Condensate Tank #2 (4,759 gallons)	LAC 33:III.501.B.5.A.3

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

ID No.:	Description	Citation
-	Sand Silo	LAC 33:III.501.B.5.D

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5	9	11	13	15	2103	2104*	2107	2111	2113	2122	3003	22	29*	51*	53*	56	59*
GRP 3	Big Cajun I Power Plant Facility		1	1	1						1		1			3		1	
EQT 1	CFB-1 – CFB Boiler	1		1	1	1													
EQT 2	CTG-1 – Combustion Turbine Generator #1	1			1	1								3					
EQT 3	CTG-2 – Combustion Turbine Generator #2	1			1	1								3					
EQT 4	GEN – Emergency Generator				1	1													
EQT 5	T-5 – Gasoline Tank						1												
EQT 6	T-3 – Gasoline Storage Tank						1												
EQT 7	T-6 – Ammonia Storage Tank																		
EQT 8	CT1 – Cooling Tower No. 1																		
EQT 9	CT2 – Cooling Tower #2																		
EQT 10	1B1 – Boiler 1	1		1	1	1								1					
EQT 11	1B2 – Boiler 2	1		1	1	1								1					
FUG 1	E1 – Transfer Point – Emergency Pile Material Handling	1			1														
FUG 2	FUG2 – Material Handling – Outside Conveyors	1			1														

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5	9	11	13	15	2103	2104*	2107	2111	2113	2122	3003	22	29*	51*	53*	56	59*
FUG 3	FUG3 – Emergency Pile Wind Erosion	1			1														
FUG 4	FUG4 – Fugitive Dust from Paved Roads	1			1														
FUG 5	TP1 – Transfer Point – Barge Unloader	1			1														
FUG 6	TP2 – Transfer Point – Unloading Hopper to Conveyor C-1	1			1														
FUG 7	TP3 – Transfer Point – Conveyor C-1 to Conveyor C-2	1			1														
FUG 8	TP4 – Transfer House 1 – Conveyor C-2 to Conveyor C-3 or C-4	1			1														
FUG 9	TP5 – Limestone Storage Dome – Dust Collection System	1			1														
FUG 10	TP6 – Fuel Storage Dome – Dust Collection System	1			1														
FUG 11	Tp7 – Fuel Crusher House – Dust Collection System	1			1														
FUG 12	TP8 – Fuel Silos – Dust Collection System	1			1														

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5	9	11	13	15	2103	2104*	2107	2111	2113	2122	3003	22	29*	51*	53*	56	59*
FUG 13	TP9 – Limestone Transfer Tower – Conveyor C-9 to Conveyor C-10	1			1														
FUG 14	TP10 – Limestone Silo and Crusher – Dust Collection System	1			1														
FUG 15	TP11 – Ash Silo – Dust Collection System	1			1														
FUG 16	TP12 – Ash Truck Loading	1			1														
FUG 17	TP13 – Lime Silo – Dust Collection System	1			1														
FUG 18	FUG-1 – Natural Gas Piping Fugitive Emissions											3							

* The regulations indicated above are State Only regulations.

LDEQ-EDMS Document 35989902, Page 363 of 832

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

KEY TO MATRIX

1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.

2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61		40 CFR 63 NESHAP			40 CFR						
		Kb	Da	Dc	GG	Y	OOO	A	J	A	Q	DDDDD	64	72	73	75	76	77	78
GRP 3	Big Cajun I Power Plant Facility									1									
EQT 1	CFB-1 – CFB Boiler		1										1	1	1	1	1	1	1
EQT 2	CTG-1 – Combustion Turbine Generator #1				1									1	1	1		1	1
EQT 3	CTG-2 – Combustion Turbine Generator #2				1									1	1	1		1	1
EQT 4	GEN – Emergency Generator																		
EQT 5	T-5 – Gasoline Tank	3																	
EQT 6	T-3 – Gasoline Storage Tank	3																	
EQT 7	T-6 – Ammonia Storage Tank																		
EQT 8	CT1 – Cooling Tower No. 1										3								
EQT 9	CT2 – Cooling Tower #2										3								
EQT 10	1B1 – Boiler 1											1							
EQT 11	1B2 – Boiler 2											1							
FUG 1	E1 – Transfer Point – Emergency Pile Material Handling					1	1												
FUG 2	FUG2 – Material Handling – Outside Conveyors					1	1												

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61		40 CFR 63 NESHAP			40 CFR						
		Kb	Da	Dc	GG	Y	OOO	A	J	A	Q	DDDDD	64	72	73	75	76	77	78
FUG 3	FUG3 – Emergency Pile Wind Erosion																		
FUG 4	FUG4 – Fugitive Dust from Paved Roads																		
FUG 5	TP1 – Transfer Point – Barge Unloader					1	1												
FUG 6	TP2 – Transfer Point – Unloading Hopper to Conveyor C-1					1	1												
FUG 7	TP3 – Transfer Point – Conveyor C-1 to Conveyor C-2					1	1												
FUG 8	TP4 – Transfer House 1 – Conveyor C-2 to Conveyor C-3 or C-4					1	1												
FUG 9	TP5 – Limestone Storage Dome – Dust Collection System						1												
FUG 10	TP6 – Fuel Storage Dome – Dust Collection System					1													
FUG 11	TP7 – Fuel Crusher House – Dust Collection System					1													
FUG 12	TP8 – Fuel Silos – Dust Collection System					1													

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61		40 CFR 63 NESHAP			40 CFR						
		Kb	Da	Dc	GG	Y	OOO	A	J	A	Q	DDDDD	64	72	73	75	76	77	78
FUG 13	TP9 – Limestone Transfer Tower – Conveyor C-9 to Conveyor C-10						1												
FUG 14	TP10 – Limestone Silo and Crusher – Dust Collection System						1												
FUG 15	TP11 – Ash Silo – Dust Collection System																		
FUG 16	TP12 – Ash Truck Loading																		
FUG 17	TP13 – Lime Silo – Dust Collection System																		
FUG 18	FUG-1 – Natural Gas Piping Fugitive Emissions																		

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

KEY TO MATRIX

1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.

2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
GRP 3	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.Chapter 51]	EXEMPT. Electric utility steam generating units are exempt from the requirements of Subchapter A of LAC 33:III.Chapter 51. [LAC 33:III.5105.B.2]
EQTs 2 - 4	Emission Standards for Sulfur Dioxide [LAC 33:III.1503]	EXEMPT. Units emit less than 250 tons of SO_2 per year. [LAC 33:III.1503.C]
EQT 2 EQT 3	Control of Emissions of Nitrogen Oxides [LAC 33:III.2201]	EXEMPT. These sources are required to comply with the more stringent NOx emissions limitation of 40 CFR 60, Subpart GG. [LAC 33:III.2201.C.15]
EQT 5 EQT 6	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tanks have a storage capacity of less than 75 cubic meters. [40 CFR 60.110b(a)]
EQT 8 EQT 9	NESHAP Subpart Q - National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers [40 CFR 63, Subpart Q]	DOES NOT APPLY. Cooling towers are not operated with chromium-water based treatment chemicals. [40 CFR 63.400(a)]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
AGENCY INTEREST NO.: 11917
LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 10 EQT 11	Control of Emissions of Nitrogen Oxides [LAC 33:III.2201]	EXEMPT. Units are operated less than 400 hours during the ozone season. [LAC 33:III.2201.H.12]
FUG 1	Fugitive Emission Control for Ozone Nonattainment Areas and Specified Parishes [LAC 33:III.2122]	DOES NOT APPLY. This facility is not listed as an affected facility. [LAC33:III.2122.A.1]

The above table provides explanation for either the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]

B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]

C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]

D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]

E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]

F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]

G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:

1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];

3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]

I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]

J. Records of required monitoring shall include the following:

1. the date, place as defined in the permit, and time of sampling or measurements;
2. the date(s) analyses were performed;
3. the company or entity that performed the analyses;
4. the analytical techniques or methods used;
5. the results of such analyses; and
6. the operating conditions as existing at the time of sampling or measurement.

[Reference 40 CFR 70.6(a)(3)(ii)(A)]

K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]

L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]

P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]

Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:

1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;

2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;

3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;

5. changes in emissions would not qualify as a significant modification; and

6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).

1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

40 CFR PART 70 GENERAL CONDITIONS

3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:

   a. Report by June 30 to cover January through March
   b. Report by September 30 to cover April through June
   c. Report by December 31 to cover July through September
   d. Report by March 31 to cover October through December

4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;

2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;

3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;

4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);

5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and

6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

40 CFR PART 70 GENERAL CONDITIONS

U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.

II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.

III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated May 24, 2006, along with supplemental information dated July 13, 2006, September 22, 2006, October 4, 2006, March 15, 2007, and May 14, 2007.

IV. This permit shall become invalid, for the sources not constructed, if:

A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;

B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.

V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.

X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.

XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.

A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:

1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

D. Each report submitted in accordance with this condition shall contain the following information:

1. Description of noncomplying emission(s);
2. Cause of noncompliance;
3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;

B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;

C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and

D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.

XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.

XVII. Very small emissions to the air resulting from routine operations that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:

1. Generally be less than 5 TPY

2. Be less than the minimum emission rate (MER)
3. Be scheduled daily, weekly, monthly, etc., or
4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 11917 Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Also Known As:

ID	Name	User Group	Start Date
2260-00007	Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)	CDS Number	05-27-1993
2260-0010	LA Generating LLC - Big Cajun 1 Power Plant (Steam)	Emission Inventory	03-03-2004
LAD000803056	Big Cajun I Power Plant	Hazardous Waste Notification	03-17-2002
LA0003042	LPDES #	LPDES Permit #	04-10-2002
WP1326	WPC State Permit Number	LWDPS Permit #	06-25-2003
G-077-6443	Site Id #	Solid Waste Facility No.	10-19-2001
16949	Cajun Electric Power Coop Inc	TEMPO Merge	03-12-2001

Physical Location: 7807 River Rd
Jarreau, LA 70749

Main Phone: 2256184100

Mailing Address: 112 Telly St
New Roads, LA 70760

Location of Front Gate: 30° 40' 25" latitude, 91° 21' 9" longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD27

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Jeff Baudier	112 Telly St New Roads, LA 70760		Responsible Official for
Gary Ellender			Employed by
Gary Ellender			Water Billing Party for
Gary Ellender			Accident Prevention Billing Party for

Related Organizations:

Name	Address	Phone (Type)	Relationship
Louisiana Generating LLC	112 Telly St New Roads, LA 70760		Owns
Louisiana Generating LLC	112 Telly St New Roads, LA 70760		Operates
Louisiana Generating LLC	112 Telly St New Roads, LA 70760		Air Billing Party for

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT001	CFB-1 - CFB Boiler		2330 MM BTU/hr	2219 MM BTU/hr		8760 hr/yr (All Year)
EQT002	CTG-1 - Combustion Turbine Generator #1			120 MW		(None Specified)
EQT003	CTG-2 - Combustion Turbine Generator #2			120 MW		(None Specified)
EQT004	GEN - Emergency Generator		100 kW			8760 hr/yr (All Year)
EQT005	T-5 - Gasoline Tank	268 gallons	268 gallons/yr		gasoline	8760 hr/yr (All Year)
EQT006	T-3 - Gasoline Storage Tank	1500 gallons			gasoline	8760 hr/yr (All Year)
EQT007	T-6 - Ammonia Storage Tank	3000 gallons			ammonia	8760 hr/yr (All Year)
EQT008	CT1 - Cooling Tower No. 1		63000 gallons/min			8760 hr/yr (All Year)
EQT009	CT2 - Cooling Tower #2		63000 gallons/min			8760 hr/yr (All Year)
EQT010	1B1 - Boiler 1			1200 MM BTU/hr		8760 hr/yr (All Year)
EQT011	1B2 - Boiler 2			1200 MM BTU/hr		8760 hr/yr (All Year)
FUG001	E1 - Transfer Point - Emergency Pile Material Handling		1200 tons/hr			8760 hr/yr (All Year)
FUG002	FUG2 - Material Handling - Outside Conveyors		1800 tons/hr			8760 hr/yr (All Year)
FUG003	FUG3 - Emergency Pile Wind Erosion					400 hr/yr (All Year)
FUG004	FUG4 - Fugitive Dust from Paved Roads		33000 vehicle miles traveled/yr			8760 hr/yr (All Year)
FUG005	TP1 - Transfer Point - Barge Unloader		1200 tons/hr			2250 hr/yr (All Year)
FUG006	TP2 - Transfer Point - Unloading Hopper to Conveyor C-1		1200 tons/hr			2250 hr/yr (All Year)
FUG007	TP3 - Transfer Point - Conveyor C-1 to Conveyor C-2		1200 tons/hr			2250 hr/yr (All Year)
FUG008	TP4 - Transfer House 1 - Conveyor C-2 to Conveyor C-3 or C-4		1200 tons/hr			2250 hr/yr (All Year)
FUG009	TP5 - Limestone Storage Dome - Dust Collection System		1400 tons/hr			8760 hr/yr (All Year)
FUG010	TP6 - Fuel Storage Dome - Dust Collection System		1600 tons/hr			8760 hr/yr (All Year)
FUG011	TP7 - Fuel Crusher House - Dust Collection System		400 tons/hr			8760 hr/yr (All Year)
FUG012	TP8 - Fuel Silos - Dust Collection System		400 tons/hr			8760 hr/yr (All Year)
FUG013	TP9 - Limestone Transfer Tower - Conveyor C-9 to Conveyor C-10		200 tons/hr			2500 hr/yr (All Year)
FUG014	TP10 - Limestone Silo and Crusher - Dust Collection System		200 tons/hr			8760 hr/yr (All Year)
FUG015	TP11 - Ash Silo - Dust Collection System		200 tons/hr			8760 hr/yr (All Year)
FUG016	TP12 - Ash Truck Loading		240 tons/hr			5500 hr/yr (All Year)
FUG017	TP13 - Lime Silo - Dust Collection System		20 tons/hr			52 hr/yr (All Year)
FUG018	FUG-1 - Natural Gas Piping Fugitive Emissions					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP003	Big Cajun I Power Plant Facility	EQT1 CFB-1 - CFB Boiler
GRP003	Big Cajun I Power Plant Facility	EQT2 CTG-1 - Combustion Turbine Generator #1
GRP003	Big Cajun I Power Plant Facility	EQT3 CTG-2 - Combustion Turbine Generator #2

LDEQ-EDMS Document 35989902, Page 380 of 832

INVENTORIES

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP003	Big Cajun I Power Plant Facility	EQT4 GEN - Emergency Generator
GRP003	Big Cajun I Power Plant Facility	EQT5 T-5 - Gasoline Tank
GRP003	Big Cajun I Power Plant Facility	EQT6 T-3 - Gasoline Storage Tank
GRP003	Big Cajun I Power Plant Facility	EQT7 T-6 - Ammonia Storage Tank
GRP003	Big Cajun I Power Plant Facility	EQT8 CT1 - Cooling Tower No. 1
GRP003	Big Cajun I Power Plant Facility	EQT9 CT2 - Cooling Tower #2
GRP003	Big Cajun I Power Plant Facility	EQT10 1B1 - Boiler 1
GRP003	Big Cajun I Power Plant Facility	EQT11 1B2 - Boiler 2
GRP003	Big Cajun I Power Plant Facility	FUG1 E1 - Transfer Point - Emergency Pile Material Handling
GRP003	Big Cajun I Power Plant Facility	FUG2 FUG2 - Material Handling - Outside Conveyors
GRP003	Big Cajun I Power Plant Facility	FUG3 FUG3 - Emergency Pile Wind Erosion
GRP003	Big Cajun I Power Plant Facility	FUG4 FUG4 - Fugitive Dust from Paved Roads
GRP003	Big Cajun I Power Plant Facility	FUG5 TP1 - Transfer Point - Barge Unloader
GRP003	Big Cajun I Power Plant Facility	FUG6 TP2 - Transfer Point - Unloading Hopper to Conveyor C-1
GRP003	Big Cajun I Power Plant Facility	FUG7 TP3 - Transfer Point - Conveyor C-1 to Conveyor C-2
GRP003	Big Cajun I Power Plant Facility	FUG8 TP4 - Transfer House 1 - Conveyor C-2 to Conveyor C-3 or C-4
GRP003	Big Cajun I Power Plant Facility	FUG9 TP5 - Limestone Storage Dome - Dust Collection System
GRP003	Big Cajun I Power Plant Facility	FUG10 TP6 - Fuel Storage Dome - Dust Collection System
GRP003	Big Cajun I Power Plant Facility	FUG11 TP7 - Fuel Crusher House - Dust Collection System
GRP003	Big Cajun I Power Plant Facility	FUG12 TP8 - Fuel Silos - Dust Collection System
GRP003	Big Cajun I Power Plant Facility	FUG13 TP9 - Limestone Transfer Tower - Conveyor C-9 to Conveyor C-10
GRP003	Big Cajun I Power Plant Facility	FUG14 TP10 - Limestone Silo and Crusher - Dust Collection System
GRP003	Big Cajun I Power Plant Facility	FUG15 TP11 - Ash Silo - Dust Collection System
GRP003	Big Cajun I Power Plant Facility	FUG16 TP12 - Ash Truck Loading
GRP003	Big Cajun I Power Plant Facility	FUG17 TP13 - Lime Silo - Dust Collection System
GRP003	Big Cajun I Power Plant Facility	FUG18 FUG-1 - Natural Gas Piping Fugitive Emissions
GRP004	CFB-1 Start-up/Shut-down	EQT1 CFB-1 - CFB Boiler
GRP005	CFB-1 Normal Operations	EQT1 CFB-1 - CFB Boiler
GRP006	Acid Rain Requirements	EQT1 CFB-1 - CFB Boiler
GRP006	Acid Rain Requirements	EQT2 CTG-1 - Combustion Turbine Generator #1
GRP006	Acid Rain Requirements	EQT3 CTG-2 - Combustion Turbine Generator #2
GRP006	Acid Rain Requirements	EQT10 1B1 - Boiler 1
GRP006	Acid Rain Requirements	EQT11 1B2 - Boiler 2
GRP007	1B1 Normal Operations - Natural Gas	EQT10 1B1 - Boiler 1
GRP008	1B1 Normal Operations - Fuel Oil	EQT10 1B1 - Boiler 1
GRP009	Boiler 1 and Boiler 2 Common Requirements	EQT10 1B1 - Boiler 1
GRP009	Boiler 1 and Boiler 2 Common Requirements	EQT11 1B2 - Boiler 2

LDEQ-EDMS Document 35989902, Page 381 of 832

INVENTORIES

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP010	1B2 Normal Operations - Natural Gas	EQT11 1B2 - Boiler 2
GRP011	1B2 Normal Operations - Fuel Oil	EQT11 1B2 - Boiler 2

Relationships:

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT001	CFB-1 - CFB Boiler	60.2	638642	15		320	270
EQT004	GEN - Emergency Generator	56	1680	.5		20	265
EQT005	T-5 - Gasoline Tank			3			
EQT006	T-3 - Gasoline Storage Tank						
EQT007	T-6 - Ammonia Storage Tank						
EQT008	CT1 - Cooling Tower No. 1	27.2		28		48	40
EQT009	CT2 - Cooling Tower #2	27.2		28		48	40
EQT010	1B1 - Boiler 1	63	350000	92.18		194.5	310
EQT011	1B2 - Boiler 2	63	350000	92.18		194.5	310
FUG009	TP5 - Limestone Storage Dome - Dust Collection System	31.8	150000	10		25	
FUG010	TP6 - Fuel Storage Dome - Dust Collection System	31.8	150000	10		25	
FUG011	TP7 - Fuel Crusher House - Dust Collection System	38.1	22000	3.5		92	
FUG012	TP8 - Fuel Silos - Dust Collection System	38.2	45000	5		220	
FUG013	TP9 - Limestone Transfer Tower - Conveyor C-9 to Conveyor C-10						
FUG014	TP10 - Limestone Silo and Crusher - Dust Collection System	35.4	15000	3		215	
FUG015	TP11 - Ash Silo - Dust Collection System	28.3	3000	1.5		160	
FUG017	TP13 - Lime Silo - Dust Collection System	27.2	2000	1.25		100	

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP003	470	MW	1400 - A) Electric Power Gen. (Over 0.7 percent S in Fuel) (Rated Capacity)

LDEQ-EDMS Document 35989902, Page 382 of 832

LDEQ-EDMS Document 35989902, Page 383 of 832

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 002 CTG-1	17.00	22.30	27.20	0.84	1.10	1.34	109.60	171.40	175.40	78.70	102.80	125.90	2.55	3.33	4.08
EQT 003 CTG-2	17.00	22.30	27.20	0.84	1.10	1.34	109.60	171.40	175.40	78.70	102.80	125.90	2.55	3.33	4.08
EQT 004 GEN	0.03	0.03	< 0.01	0.001	0.001	0.001	1.90	1.90	0.05	0.23	0.23	0.01	0.07	0.07	0.002
EQT 005 T-5													0.03	3.97	0.11
EQT 006 T-3													0.10	0.10	0.45
EQT 008 CT1	6.43	6.43	28.15												
EQT 009 CT2	6.43	6.43	28.15												
FUG 018 FUG-1													0.15	0.15	0.64

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

Emission rates Notes:

LDEQ-EDMS Document 35989902, Page 384 of 832

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase I

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 010 1B1			74.11			2522.77			1576.80			259.90			17.08
EQT 011 1B2			74.11			2522.77			1576.80			259.90			17.08
GRP 007	**9.00**	**9.00**	**23.70**	**0.70**	**0.70**	**1.90**	**600.00**	**804.00**	**1576.80**	**98.90**	**98.90**	**259.90**	**6.50**	**6.50**	**17.00**
GRP 008	**28.20**	**28.20**	**74.11**	**959.96**	**959.96**	**2522.77**	**205.70**	**205.70**	**540.60**	**42.90**	**42.90**	**112.60**	**6.50**	**6.50**	**17.08**
GRP 009									3153.6						
GRP 010	**9.00**	**9.00**	**23.70**	**0.70**	**0.70**	**1.90**	**600.00**	**804.00**	**1576.80**	**98.90**	**98.90**	**259.90**	**6.50**	**6.50**	**17.00**
GRP 011	**28.20**	**28.20**	**74.11**	**959.96**	**959.96**	**2522.77**	**205.70**	**205.70**	**540.60**	**42.90**	**42.90**	**112.60**	**6.50**	**6.50**	**17.08**

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 258.92 tons/yr

SO2: 5048.22 tons/yr

NOx: 3504.45 tons/yr

CO: 771.61 tons/yr

VOC: 43.52 tons/yr

Emission rates Notes:

GRP 009 NOx Tons/Year . This limitation shall apply to the combined nitrogen oxides emissions from EQT 10 and EQT 11. Permittee shall calculate the total nitrogen oxides emissions for the last twelve consecutive months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Nitrogen oxides emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the monthly total nitrogen oxides emissions as well as the last twelve month cumulative totals shall be submitted to the Office of Environmental Compliance, Surveillance Division by February 15 for the preceeding calendar year. Which Months: All Year .

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 CFB-1			107.00			1458.00			680.00			973.69			45.70
FUG 001 E1	0.01	0.80	0.03												
FUG 002 FUG2	0.32	1.88	1.42												
FUG 003 FUG 3	0.22	1.48	0.04												
FUG 004 FUG 4	0.81	1.21	3.54												
FUG 005 TP1	0.03	0.13	0.03												
FUG 006 TP2	0.03	0.13	0.03												
FUG 007 TP3	0.03	0.13	0.03												
FUG 008 TP4	0.02	0.06	0.03												
FUG 009 TP5	0.001	0.01	0.01												
FUG 010 TP6	0.002	0.01	0.01												
FUG 011 TP7	0.01	0.04	0.06												
FUG 012 TP8	0.001	0.002	0.003												
FUG 013 TP9	0.01	0.01	0.01												
FUG 014 TP10	0.01	0.02	0.02												
FUG 015 TP11	< 0.001	< 0.001	0.002												
FUG 016 TP12	0.09	0.18	0.25												
FUG 017 TP13	0.22	0.22	0.01												

LDEQ-EDMS Document 35989902, Page 385 of 832

LDEQ-EDMS Document 35989902, Page 386 of 832

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 004					1877.80			249.60			332.90				
GRP 005	24.40	25.60	107.00	333.00	383.00	1458.00	155.00	179.00	680.00	222.00	255.00	972.00	10.43	12.00	45.70

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 223.23 tons/yr
SO2: 1460.68 tons/yr
NOx: 1030.85 tons/yr
CO: 1225.50 tons/yr
VOC: 55.06 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

All phases

	1,3-Butadiene			Acetaldehyde			Acrolein			Ammonia			Benzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 002 CTG-1	0.001	0.001	0.001	0.051	0.067	0.080	0.008	0.011	0.010				0.015	0.020	0.020
EQT 003 CTG-2	0.001	0.001	0.001	0.051	0.067	0.080	0.008	0.011	0.010				0.015	0.020	0.020
EQT 007 T-6										0.252	10.658	1.106			
EQT 008 CT1															
EQT 009 CT2															

LDEQ-EDMS Document 35989902, Page 387 of 832

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

All phases

	Chlorine			Ethyl benzene			Formaldehyde			Naphthalene			Polynuclear Aromatic Hydrocarbons		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 002 CTG-1				0.041	0.054	0.070	0.912	1.192	1.460	0.002	0.002	0.003	0.003	0.004	0.005
EQT 003 CTG-2				0.041	0.054	0.070	0.912	1.192	1.460	0.002	0.002	0.003	0.003	0.004	0.005
EQT 007 T-6															
EQT 008 CT1	0.680	0.680	3.000												
EQT 009 CT2	0.680	0.680	3.000												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

All phases

	Propylene oxide			Toluene			Xylene (mixed isomers)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 002 CTG-1	0.037	0.049	0.060	0.167	0.218	0.270	0.082	0.107	0.130
EQT 003 CTG-2	0.037	0.049	0.060	0.167	0.218	0.270	0.082	0.107	0.130
EQT 007 T-6									
EQT 008 CT1									
EQT 009 CT2									

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

Emission Rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase I

	1,1,1-Trichloroethane			1,4-Dichlorobenzene			Arsenic (and compounds)			Barium (and compounds)			Benzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 010 1B1			0.005			0.004			0.013			0.014			0.006
EQT 011 1B2			0.005			0.004			0.013			0.014			0.006
GRP 007				0.001	0.001	0.004	< 0.001	< 0.001	0.001	0.005	0.005	0.014	0.002	0.002	0.006
GRP 008	0.002	0.002	0.005				0.005	0.005	0.013				0.002	0.002	0.005
GRP 010				0.001	0.001	0.004	< 0.001	< 0.001	0.001	0.005	0.005	0.014	0.002	0.002	0.006
GRP 011	0.002	0.002	0.005				0.005	0.005	0.013				0.002	0.002	0.005

LDEQ-EDMS Document 35989902, Page 390 of 832

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase I

	Beryllium (Table 51.1)			Cadmium (and compounds)			Chromium VI (and compounds)			Cobalt compounds			Copper (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 010 1B1			0.009			0.009			0.003			< 0.001			0.019
EQT 011 1B2			0.009			0.009			0.003			< 0.001			0.019
GRP 007	< 0.001	< 0.001	< 0.001	0.001	0.001	0.003	< 0.001	< 0.001	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.003
GRP 008	0.004	0.004	0.009	0.004	0.004	0.009	0.001	0.001	0.003				0.007	0.007	0.019
GRP 010	< 0.001	< 0.001	< 0.001	0.001	0.001	0.003	< 0.001	< 0.001	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.003
GRP 011	0.004	0.004	0.009	0.004	0.004	0.009	0.001	0.001	0.003				0.007	0.007	0.019

LDEQ-EDMS Document 35989902, Page 391 of 832

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase I

	Ethyl benzene			Formaldehyde			Lead compounds			Manganese (and compounds)			Mercury (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 010 1B1			0.001			0.743			0.028			0.019			0.009
EQT 011 1B2			0.001			0.743			0.028			0.019			0.009
GRP 007				*0.088*	*0.088*	*0.232*	*< 0.001*	*< 0.001*	*0.002*	*< 0.001*	*< 0.001*	*0.001*	*< 0.001*	*< 0.001*	*0.001*
GRP 008	0.001	0.001	0.001	0.283	0.283	0.743	0.011	0.011	0.028	0.007	0.007	0.019	0.004	0.004	0.009
GRP 010				0.088	0.088	0.232	< 0.001	< 0.001	0.002	< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001
GRP 011	0.001	0.001	0.001	0.283	0.283	0.743	0.011	0.011	0.028	0.007	0.007	0.019	0.004	0.004	0.009

LDEQ-EDMS Document 35989902, Page 392 of 832

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase I

	Naphthalene			Nickel (and compounds)			Polynuclear Aromatic Hydrocarbons			Selenium (and compounds)			Toluene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 010 1B1			0.025			0.009			0.101			0.047			0.140
EQT 011 1B2			0.025			0.009			0.101			0.047			0.140
GRP 007	< 0.001	< 0.001	0.002	0.003	0.003	0.006	0.001	0.001	0.002	< 0.001	< 0.001	< 0.001	0.004	0.004	0.011
GRP 008	0.010	0.010	0.025	0.004	0.004	0.009	0.038	0.038	0.101	0.018	0.018	0.047	0.053	0.053	0.140
GRP 010	< 0.001	< 0.001	0.002	0.003	0.003	0.006	0.001	0.001	0.002	< 0.001	< 0.001	< 0.001	0.004	0.004	0.011
GRP 011	0.010	0.010	0.025	0.004	0.004	0.009	0.038	0.038	0.101	0.018	0.018	0.047	0.053	0.053	0.140

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase I

	Zinc (and compounds)			n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 010 1B1			0.090			5.565
EQT 011 1B2			0.090			5.565
GRP 007	0.034	0.034	0.090	2.120	2.120	5.565
GRP 008	0.005	0.005	0.013			
GRP 010	0.034	0.034	0.090	2.120	2.120	5.565
GRP 011	0.005	0.005	0.013			

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

1,1,1-Trichloroethane: 0.010 tons/yr
1,4-Dichlorobenzene: 0.008 tons/yr
Acetaldehyde: 0.160 tons/yr
Acrolein: 0.020 tons/yr
Ammonia: 1.106 tons/yr
Arsenic (and compounds): 0.026 tons/yr
Barium (and compounds): 0.028 tons/yr
Benzene: 0.052 tons/yr
Beryllium (Table 51.1): 0.018 tons/yr
Cadmium (and compounds): 0.018 tons/yr
Chlorine: 6.000 tons/yr
Chromium VI (and compounds): 0.006 tons/yr
Cobalt compounds: <0.001 tons/yr
Copper (and compounds): 0.038 tons/yr
Ethyl benzene: 0.142 tons/yr
Formaldehyde: 4.406 tons/yr
Lead compounds: 0.056 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase I

Manganese (and compounds): 0.038 tons/yr
Mercury (and compounds): 0.018 tons/yr
n-Hexane: 11.130 tons/yr
Naphthalene: 0.056 tons/yr
Nickel (and compounds): 0.018 tons/yr
Polynuclear Aromatic Hydrocarbons: 0.212 tons/yr
Propylene oxide: 0.120 tons/yr
Selenium (and compounds): 0.094 tons/yr
Toluene: 0.820 tons/yr
Xylene (mixed isomers): 0.260 tons/yr
Zinc (and compounds): 0.180 tons/yr

Emission Rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,2-Dichloropropane			2,4,6-Trichlorophenol			2,4-Dinitrophenol		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 CFB-1			0.035			0.012			0.032			< 0.001			< 0.001
FUG 001 E1															
FUG 002 FUG2															
FUG 003 FUG 3															
FUG 005 TP1															
FUG 006 TP2															
FUG 007 TP3															
FUG 008 TP4															
FUG 009 TP5															
FUG 010 TP6															
FUG 011 TP7															
FUG 012 TP8															
FUG 015 TP11															
FUG 016 TP12															
GRP 005	**0.008**	**0.008**	**0.035**	**0.003**	**0.003**	**0.012**	**0.007**	**0.008**	**0.032**	**< 0.001**	**< 0.001**	**< 0.001**	**< 0.001**	**< 0.001**	**< 0.001**

LDEQ-EDMS Document 35989902, Page 396 of 832

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

	2,4-Dinitrotoluene			2-Methylnaphthalene			Acetaldehyde			Acetophenone			Acrolein		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 CFB-1			< 0.001			< 0.001			0.953			0.004			3.960
FUG 001 E1															
FUG 002 FUG2															
FUG 003 FUG 3															
FUG 005 TP1															
FUG 006 TP2															
FUG 007 TP3															
FUG 008 TP4															
FUG 009 TP5															
FUG 010 TP6															
FUG 011 TP7															
FUG 012 TP8															
FUG 015 TP11															
FUG 016 TP12															
GRP 005	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.218	0.229	0.953	0.001	0.001	0.004	0.905	0.950	3.960

LDEQ-EDMS Document 35989902, Page 397 of 832

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 CFB-1			25.300			0.010			0.234			0.165			4.420
FUG 001 E1				< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			
FUG 002 FUG2				< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001	0.001	0.001			
FUG 003 FUG 3				< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			
FUG 005 TP1				< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			
FUG 006 TP2				< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			
FUG 007 TP3				< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			
FUG 008 TP4				< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			
FUG 009 TP5				< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			
FUG 010 TP6				< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			
FUG 011 TP7				< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			
FUG 012 TP8				< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			
FUG 015 TP11				< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			
FUG 016 TP12				< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001	0.001	0.001			
GRP 005	**5.770**	**18.200**	**25.300**	**0.002**	**0.002**	**0.010**	**0.054**	**0.056**	**0.234**	**0.038**	**0.040**	**0.165**	**1.008**	**1.060**	**4.420**

LDEQ-EDMS Document 35989902, Page 398 of 832

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

	Benzyl chloride			Beryllium (Table 51.1)			Biphenyl			Bromoform			Cadmium (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 CFB-1			0.200			0.012			0.001			0.011			0.029
FUG 001 E1				< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
FUG 002 FUG2				< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
FUG 003 FUG 3				< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
FUG 005 TP1				< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
FUG 006 TP2				< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
FUG 007 TP3				< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
FUG 008 TP4				< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
FUG 009 TP5				< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
FUG 010 TP6				< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
FUG 011 TP7				< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
FUG 012 TP8				< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
FUG 015 TP11				< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
FUG 016 TP12				< 0.001	< 0.001	< 0.001							< 0.001	< 0.001	< 0.001
GRP 005	**0.046**	**0.048**	**0.200**	**0.003**	**0.003**	**0.012**	**< 0.001**	**< 0.001**	**0.001**	**0.003**	**0.003**	**0.011**	**0.007**	**0.007**	**0.029**

LDEQ-EDMS Document 35989902, Page 399 of 832

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

	Carbon disulfide			Carbon tetrachloride			Chlorinated Dibenzo-P-Dioxins			Chlorinated dibenzofurans			Chlorobenzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 CFB-1			0.037			0.044			0.002			0.000002			0.038
FUG 001 E1															
FUG 002 FUG2															
FUG 003 FUG 3															
FUG 005 TP1															
FUG 006 TP2															
FUG 007 TP3															
FUG 008 TP4															
FUG 009 TP5															
FUG 010 TP6															
FUG 011 TP7															
FUG 012 TP8															
FUG 015 TP11															
FUG 016 TP12															
GRP 005	0.008	0.009	0.037	0.010	0.010	0.044	< 0.001	< 0.001	0.002	0.0000004	0.0000004	0.000002	0.009	0.009	0.038

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

	Chloroethane			Chloroform			Chromium VI (and compounds)			Cobalt compounds			Copper (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 CFB-1			0.012			0.042			0.045			0.057			0.048
FUG 001 E1							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FUG 002 FUG2							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FUG 003 FUG 3							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FUG 005 TP1							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FUG 006 TP2							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FUG 007 TP3							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FUG 008 TP4							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FUG 009 TP5							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FUG 010 TP6							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FUG 011 TP7							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FUG 012 TP8							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FUG 015 TP11							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FUG 016 TP12							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
GRP 005	**0.003**	**0.003**	**0.012**	**0.010**	**0.010**	**0.042**	**0.010**	**0.011**	**0.045**	**0.013**	**0.014**	**0.057**	**0.011**	**0.011**	**0.048**

LDEQ-EDMS Document 35989902, Page 401 of 832

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

	Cumene			Cyanide compounds			Dichloromethane			Dimethyl sulfate			Ethyl benzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 CFB-1			0.002			0.715			0.356			0.014			0.054
FUG 001 E1															
FUG 002 FUG2															
FUG 003 FUG 3															
FUG 005 TP1															
FUG 006 TP2															
FUG 007 TP3															
FUG 008 TP4															
FUG 009 TP5															
FUG 010 TP6															
FUG 011 TP7															
FUG 012 TP8															
FUG 015 TP11															
FUG 016 TP12															
GRP 005	< 0.001	< 0.001	0.002	0.163	0.171	0.715	0.081	0.085	0.356	0.003	0.003	0.014	0.012	0.013	0.054

LDEQ-EDMS Document 35989902, Page 402 of 832

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

	Formaldehyde			Hydrochloric acid			Hydrofluoric acid			Isophorone			Lead compounds		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 CFB-1			4.338			3.430			0.429			0.166			0.240
FUG 001 E1													< 0.001	< 0.001	< 0.001
FUG 002 FUG2													< 0.001	< 0.001	< 0.001
FUG 003 FUG 3													< 0.001	< 0.001	< 0.001
FUG 005 TP1													< 0.001	< 0.001	< 0.001
FUG 006 TP2													< 0.001	< 0.001	< 0.001
FUG 007 TP3													< 0.001	< 0.001	< 0.001
FUG 008 TP4													< 0.001	< 0.001	< 0.001
FUG 009 TP5													< 0.001	< 0.001	< 0.001
FUG 010 TP6													< 0.001	< 0.001	< 0.001
FUG 011 TP7													< 0.001	< 0.001	< 0.001
FUG 012 TP8													< 0.001	< 0.001	< 0.001
FUG 015 TP11													< 0.001	< 0.001	< 0.001
FUG 016 TP12													< 0.001	< 0.001	< 0.001
GRP 005	**0.990**	**1.040**	**4.338**	**0.783**	**0.822**	**3.430**	**0.098**	**0.103**	**0.429**	**0.038**	**0.040**	**0.166**	**0.055**	**0.058**	**0.240**

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

	Manganese (and compounds)			Mercury (and compounds)			Methyl Tertiary Butyl Ether			Methyl bromide			Methyl chloride		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 CFB-1			1.810			0.146			0.010			0.046			0.152
FUG 001 E1	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001									
FUG 002 FUG2	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001									
FUG 003 FUG 3	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001									
FUG 005 TP1	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001									
FUG 006 TP2	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001									
FUG 007 TP3	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001									
FUG 008 TP4	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001									
FUG 009 TP5	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001									
FUG 010 TP6	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001									
FUG 011 TP7	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001									
FUG 012 TP8	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001									
FUG 015 TP11	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001									
FUG 016 TP12	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001									
GRP 005	**0.413**	**0.433**	**1.810**	**0.033**	**0.033**	**0.146**	**0.002**	**0.002**	**0.010**	**0.010**	**0.011**	**0.046**	**0.035**	**0.036**	**0.152**

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

	Methyl ethyl ketone			Methyl methacrylate			Monomethyl hydrazine			Naphthalene			Nickel (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 CFB-1			0.111			0.006			0.049			0.101			0.160
FUG 001 E1													< 0.001	< 0.001	< 0.001
FUG 002 FUG2													0.001	0.002	0.001
FUG 003 FUG 3													< 0.001	< 0.001	< 0.001
FUG 005 TP1													< 0.001	< 0.001	< 0.001
FUG 006 TP2													< 0.001	< 0.001	< 0.001
FUG 007 TP3													< 0.001	< 0.001	< 0.001
FUG 008 TP4													< 0.001	< 0.001	< 0.001
FUG 009 TP5													< 0.001	< 0.001	< 0.001
FUG 010 TP6													< 0.001	< 0.001	< 0.001
FUG 011 TP7													< 0.001	< 0.001	< 0.001
FUG 012 TP8													< 0.001	< 0.001	< 0.001
FUG 015 TP11													< 0.001	< 0.001	< 0.001
FUG 016 TP12													0.002	0.002	0.002
GRP 005	**0.025**	**0.027**	**0.111**	**0.001**	**0.001**	**0.006**	**0.011**	**0.012**	**0.049**	**0.023**	**0.024**	**0.101**	**0.037**	**0.038**	**0.160**

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

	Phenol			Polynuclear Aromatic Hydrocar bons			Propionaldehyde			Selenium (and compounds)			Styrene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 CFB-1			0.054			0.132			0.109			0.743			1.853
FUG 001 E1										< 0.001	< 0.001	< 0.001			
FUG 002 FUG2										< 0.001	< 0.001	< 0.001			
FUG 003 FUG 3										< 0.001	< 0.001	< 0.001			
FUG 005 TP1										< 0.001	< 0.001	< 0.001			
FUG 006 TP2										< 0.001	< 0.001	< 0.001			
FUG 007 TP3										< 0.001	< 0.001	< 0.001			
FUG 008 TP4										< 0.001	< 0.001	< 0.001			
FUG 009 TP5										< 0.001	< 0.001	< 0.001			
FUG 010 TP6										< 0.001	< 0.001	< 0.001			
FUG 011 TP7										< 0.001	< 0.001	< 0.001			
FUG 012 TP8										< 0.001	< 0.001	< 0.001			
FUG 015 TP11										< 0.001	< 0.001	< 0.001			
FUG 016 TP12										< 0.001	< 0.001	< 0.001			
GRP 005	**0.012**	**0.013**	**0.054**	**0.030**	**0.032**	**0.132**	**0.026**	**0.026**	**0.109**	**0.170**	**0.178**	**0.743**	**0.423**	**0.444**	**1.853**

LDEQ-EDMS Document 35989902, Page 406 of 832

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

	Sulfuric acid			Thallium			Toluene			Trichloroethylene			Vinyl acetate		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 CFB-1			13.600						0.956			0.029			0.002
FUG 001 E1				< 0.001	< 0.001	< 0.001									
FUG 002 FUG2				< 0.001	< 0.001	< 0.001									
FUG 003 FUG 3				< 0.001	< 0.001	< 0.001									
FUG 005 TP1				< 0.001	< 0.001	< 0.001									
FUG 006 TP2				< 0.001	< 0.001	< 0.001									
FUG 007 TP3				< 0.001	< 0.001	< 0.001									
FUG 008 TP4				< 0.001	< 0.001	< 0.001									
FUG 009 TP5				< 0.001	< 0.001	< 0.001									
FUG 010 TP6				< 0.001	< 0.001	< 0.001									
FUG 011 TP7				< 0.001	< 0.001	< 0.001									
FUG 012 TP8				< 0.001	< 0.001	< 0.001									
FUG 015 TP11				< 0.001	< 0.001	< 0.001									
FUG 016 TP12				< 0.001	< 0.001	< 0.001									
GRP 005	**3.110**	**3.110**	**13.600**				**0.218**	**0.229**	**0.956**	**0.007**	**0.007**	**0.029**	**< 0.001**	**< 0.001**	**0.002**

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

	Vinyl chloride			Xylene (mixed isomers)			Zinc (and compounds)			alpha-Chloroacetophenone			n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 CFB-1			0.017			0.034			0.010			0.002			0.019
FUG 001 E1							< 0.001	< 0.001	< 0.001						
FUG 002 FUG2							< 0.001	< 0.001	< 0.001						
FUG 003 FUG 3							< 0.001	< 0.001	< 0.001						
FUG 005 TP1							< 0.001	< 0.001	< 0.001						
FUG 006 TP2							< 0.001	< 0.001	< 0.001						
FUG 007 TP3							< 0.001	< 0.001	< 0.001						
FUG 008 TP4							< 0.001	< 0.001	< 0.001						
FUG 009 TP5							< 0.001	< 0.001	< 0.001						
FUG 010 TP6							< 0.001	< 0.001	< 0.001						
FUG 011 TP7							< 0.001	< 0.001	< 0.001						
FUG 012 TP8							< 0.001	< 0.001	< 0.001						
FUG 015 TP11							< 0.001	< 0.001	< 0.001						
FUG 016 TP12							< 0.001	< 0.001	< 0.001						
GRP 005	**0.004**	**0.004**	**0.017**	**0.008**	**0.008**	**0.034**	**0.002**	**0.002**	**0.010**	**< 0.001**	**< 0.001**	**0.002**	**0.004**	**0.005**	**0.019**

LDEQ-EDMS Document 35989902, Page 408 of 832

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

	pentachloro-Phenol		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 CFB-1			< 0.001
FUG 001 E1			
FUG 002 FUG2			
FUG 003 FUG 3			
FUG 005 TP1			
FUG 006 TP2			
FUG 007 TP3			
FUG 008 TP4			
FUG 009 TP5			
FUG 010 TP6			
FUG 011 TP7			
FUG 012 TP8			
FUG 015 TP11			
FUG 016 TP12			
GRP 005	< 0.001	< 0.001	< 0.001

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

1,1,1-Trichloroethane: 0.035 tons/yr

1,1,2,2-Tetrachloroethane: 0.012 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

1,2-Dichloropropane: 0.032 tons/yr
1,3-Butadiene: 0.002 tons/yr
2,4,6-Trichlorophenol: <0.001 tons/yr
2,4-Dinitrophenol: <0.001 tons/yr
2,4-Dinitrotoluene: <0.001 tons/yr
2-Methylnaphthalene: <0.001 tons/yr
Acetaldehyde: 1.113 tons/yr
Acetophenone: 0.004 tons/yr
Acrolein: 3.980 tons/yr
alpha-Chloroacetophenone: 0.002 tons/yr
Ammonia: 26.406 tons/yr
Antimony (and compounds): 0.010 tons/yr
Arsenic (and compounds): 0.234 tons/yr
Barium (and compounds): 0.165 tons/yr
Benzene: 4.460 tons/yr
Benzyl chloride: 0.200 tons/yr
Beryllium (Table 51.1): 0.012 tons/yr
Biphenyl: 0.001 tons/yr
Bromoform: 0.011 tons/yr
Cadmium (and compounds): 0.029 tons/yr
Carbon disulfide: 0.037 tons/yr
Carbon tetrachloride: 0.044 tons/yr
Chlorinated Dibenzo-P-Dioxins: 0.002 tons/yr
Chlorinated dibenzofurans: 0.000002 tons/yr
Chlorine: 6.000 tons/yr
Chlorobenzene: 0.038 tons/yr
Chloroethane: 0.012 tons/yr
Chloroform: 0.042 tons/yr
Chromium VI (and compounds): 0.045 tons/yr
Cobalt compounds: 0.057 tons/yr
Copper (and compounds): 0.048 tons/yr
Cumene: 0.002 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

Cyanide compounds: 0.715 tons/yr
Dichloromethane: 0.356 tons/yr
Dimethyl sulfate: 0.014 tons/yr
Ethyl benzene: 0.194 tons/yr
Formaldehyde: 7.300 tons/yr
Hydrochloric acid: 3.430 tons/yr
Hydrofluoric acid: 0.429 tons/yr
Isophorone: 0.166 tons/yr
Lead compounds: 0.240 tons/yr
Manganese (and compounds): 1.810 tons/yr
Mercury (and compounds): 0.146 tons/yr
Methyl bromide: 0.046 tons/yr
Methyl chloride: 0.152 tons/yr
Methyl ethyl ketone: 0.111 tons/yr
Methyl methacrylate: 0.006 tons/yr
Methyl Tertiary Butyl Ether: 0.010 tons/yr
Monomethyl hydrazine: 0.049 tons/yr
n-Hexane: 0.019 tons/yr
Naphthalene: 0.107 tons/yr
Nickel (and compounds): 0.160 tons/yr
pentachloro-Phenol: <0.001 tons/yr
Phenol: 0.054 tons/yr
Polynuclear Aromatic Hydrocarbons: 0.142 tons/yr
Propionaldehyde: 0.109 tons/yr
Propylene oxide: 0.120 tons/yr
Selenium (and compounds): 0.743 tons/yr
Styrene: 1.853 tons/yr
Sulfuric acid: 13.600 tons/yr
Thallium: <0.001 tons/yr
Toluene: 0.956 tons/yr
Trichloroethylene: 0.029 tons/yr
Vinyl acetate: 0.002 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

Phase II

Vinyl chloride: 0.017 tons/yr
Xylene (mixed isomers): 0.294 tons/yr
Zinc (and compounds): 0.010 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

EQT001 CFB-1 - CFB Boiler

1 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or cleaning of baghouses, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

2 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305], Phases: Phase II
Phases: Phase II

3 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Phases: Phase II Statistical Basis: Six-minute average

4 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

5 Sulfur dioxide <= 2000 ppmv at standard conditions. [LAC 33:III.1503.C]
Which Months: All Year Phases: Phase II Statistical Basis: Three-hour average

6 Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D.Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. Compliance with 40 CFR 75.11(d)(2) shall be determined as compliance with this specific condition except for the initial compliance determination. [LAC 33:III.1503.D.1], Phases: Phase II
Phases: Phase II

7 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Ensure that the measurement system is certified according to Performance Specification 2 of 40 CFR 60, Appendix B, and quality assured by the procedures in 40 CFR 60, Appendix F. [LAC 33:III.1511.A]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

8 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
Phases: Phase II

9 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513], Phases: Phase II
Phases: Phase II

10 Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:I.Chapter 39. [LAC 33:III.1513], Phases: Phase II
Phases: Phase II

11 Comply with the applicable Acid Rain emissions limitation for nitrogen oxides. [LAC 33:III.505, 40 CFR 72.9(d)], Phases: Phase II
Phases: Phase II

12 Carbon monoxide <= 0.15 lb/MMBTU. This limit shall apply during the first twelve months of operation of this source and during that time shall supercede any other BACT emissions limitation for carbon monoxide. After the first twelve months of operation, this limit shall apply when the unit is operating at less than 60 percent of its maximum heat input of 2,330 MMBTU/hr. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: 24-hour average

13 Sulfur dioxide <= 0.20 lb/MMBTU. This limit shall only apply during the first twelve months of operation of this source and during that time shall supercede any other BACT emissions limitation for sulfur dioxide. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

EQT001 CFB-1 - CFB Boiler

14 Nitrogen oxides <= 0.20 lb/MMBTU. This limit shall only apply during the first twelve months of operation of this source and during that time shall supercede any other BACT emissions limitation for nitrogen oxides. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average

15 Particulate matter (10 microns or less) <= 0.015 lb/MMBTU. This limit shall only apply during the first twelve months of operation of this source and during that time shall supercede any other BACT emissions limitation for particulate matter. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average

16 VOC, Total <= 0.0070 lb/MMBTU. This limit shall only apply during the first twelve months of operation of this source and during that time shall supercede any other BACT emissions limitation for volatile organic compounds. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average

17 Carbon monoxide <= 0.10 lb/MMBTU. This limit shall apply when the boiler operates at greater than or equal to 60 percent of its maximum heat input of 2,330 MMBTU/hr. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average

18 Nitrogen oxides <= 0.07 lb/MMBTU. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average

19 Particulate matter (10 microns or less) <= 0.011 lb/MMBTU. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average

20 Sulfur dioxide <= 0.15 lb/MMBTU. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average

21 Sulfuric acid <= 0.0012 lb/MMBTU. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average

22 VOC, Total <= 0.0047 lb/MMBTU. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average

23 Permittee shall fire only petroleum coke, coal, bagasse, and non-chemically treated wood products in this boiler. Natural gas shall only be fired as a start-up fuel. [LAC 33:III.509], Phases: Phase II
Phases: Phase II

24 Permittee shall not fire non-chemically treated wood and/or bagasse in amounts that exceed ten (10) percent of the total fuel being fired in this boiler. [LAC 33:III.509], Phases: Phase II
Phases: Phase II

25 Permittee shall use a boiler that employs circulating fluidized bed technology in addition to selective non-catalytic reduction in order to control emissions of nitrogen oxides. :
Permittee shall use a boiler that employs circulating fluidized bed technology in addition to limestone injection and flue gas desulfurization scrubber in order to control emissions of sulfur dioxide and sulfuric acid mist. □
Permittee shall use a boiler that employs circulating fluidized bed technology in addition to a fabric filter in order to control emissions of particulate matter. r
Permittee shall utilize good combustion practices in order to control emissions of carbon monoxide and volatile organic compounds. Determined as BACT. [LAC 33:III.509], Phases: Phase II
Phases: Phase II

26 Fuel rate monitored by technically sound method continuously. Permittee shall monitor the fuel firing rate of all fuels fired in this boiler. [LAC 33:III.509]
Which Months: All Year Statistical Basis: None specified

27 Fuel rate recordkeeping by electronic or hard copy monthly. Keep records of the total amount of each type of fuel fired in this boiler each month, as well as the total amount of each type of fuel fired in this boiler for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

EQT001 CFB-1 - CFB Boiler

28 Permittee shall not operate this unit at less than 60 percent of its maximum heat input rate of 2,330 MMBTU/hr except during the start-up or shut-down of this unit. [LAC 33:III.509], Phases: Phase II
Phases: Phase II

29 At no time and under no circumstances shall this unit be operated concurrently with EQT 10 and/or EQT 11. [LAC 33:III.509]

30 Permittee shall monitor and record the fuel firing rate of each fuel fired in this boiler. Records shall be kept on-site for a period of no less than two (2) years and made available for inspection by LDEQ personnel. [LAC 33:III.509], Phases: Phase II
Phases: Phase II

31 Opacity <= 20 percent, except for one 6-minute period per hour of not more than 27% opacity. Subpart Da. [40 CFR 60.42Da(b)]
Which Months: All Year Phases: Phase II Statistical Basis: Six-minute average

32 Particulate matter (10 microns or less) <= 0.015 lb/MMBTU (6.4 ng/J) heat input. Subpart Da. [40 CFR 60.42Da(c)(2)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

33 Sulfur dioxide <= 1.4 lb/MWh (180 ng/J) gross energy output. Subpart Da. [40 CFR 60.43Da(I)(i)]
Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average

34 Nitrogen oxides <= 1.6 lb/MWh (200 ng/J) gross energy output. Subpart Da. [40 CFR 60.44Da(d)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average

35 Do not discharge into the atmosphere any gases from a new affected source that contain Hg in excess of the computed weighted Hg emissions limit based on the proportion of energy output (in British thermal units, Btu) contributed by each coal rank burned during the compliance period and its applicable Hg emissions limit in 40 CFR 60.45Da(a)(1) through (4) as determined using Equation 1 of 40 CFR 60.45Da(a)(5)(i). Meet the weighted Hg emissions limit calculated using Equation 1 of 40 CFR 60.45Da(a)(5)(i) by calculating the unit emission rate based on the total Hg loading of the unit and the total Btu or megawatts hours contributed by all fuels burned during the compliance period. Subpart Da. [40 CFR 60.45Da(a)(5)i], Phases: Phase II
Phases: Phase II

36 Apply to DEQ for a commercial demonstration permit when proposing to demonstrate an emerging technology. Subpart Da. [40 CFR 60.47Da(a)], Phases: Phase II
Phases: Phase II

37 Comply with the particulate matter emission standards under 40 CFR 60.42Da at all times except during periods of startup, shutdown, or malfunction. Subpart Da. [40 CFR 60.48Da(c)], Phases: Phase II
Phases: Phase II

38 Comply with the nitrogen oxides emission standards under 40 CFR 60.44Da at all times except during periods of startup, shutdown, and malfunction. Subpart Da. [40 CFR 60.48Da(c)], Phases: Phase II
Phases: Phase II

39 Comply with the Hg emission standards under 40 CFR 60.45Da at all times except during periods of startup, shutdown, or malfunction. Subpart Da. [40 CFR 60.48Da(c)], Phases: Phase II
Phases: Phase II

40 During emergency conditions in the principal company, do not operate an affected facility with a malfunctioning flue gas desulfurization system unless sulfur dioxide emissions are minimized in accordance with the requirements of 60.46Da(d)(1) through (d)(3). Subpart Da. [40 CFR 60.48Da(d)], Phases: Phase II
Phases: Phase II

41 Show compliance with the sulfur dioxide standards by completing a separate performance test at the end of each boiler operating day after the initial performance test, and calculating a new 30-day average emission rate and percent reduction. Subpart Da. [40 CFR 60.48Da(e)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

EQT001 CFB-1 - CFB Boiler

42 Show compliance with the nitrogen oxides standards by completing a separate performance test at the end of each boiler operating day after the initial performance test, and calculating a new 30-day average emission rate. Subpart Da. [40 CFR 60.48Da(e)], Phases: Phase II
Phases: Phase II

43 Schedule the initial performance test so that the first boiler operating day of the 30 successive boiler operating days is completed within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of the facility. Subpart Da. [40 CFR 60.48Da(f)], Phases: Phase II
Phases: Phase II

44 Determine compliance with the SO2 and NOx emission standards by calculating the arithmetic average of all hourly emission rates for SO2 and NOx for the 30 successive boiler operating days, except for data obtained during startup, shutdown, malfunction (NOx only), or emergency conditions (SO2 only). Subpart Da. [40 CFR 60.48Da(g)(1)], Phases: Phase II
Phases: Phase II

45 Determine compliance with SO2 percentage reduction requirements based on the average inlet and outlet SO2 emission rates for the 30 successive boiler operating days. Subpart Da. [40 CFR 60.48Da(g)(2)], Phases: Phase II
Phases: Phase II

46 Determine compliance with particulate matter emission limitations by calculating the arithmetic average of all hourly emission rates for particulate matter each boiler operating day, except for data obtained during startup, shutdown, and malfunction. Subpart Da. [40 CFR 60.48Da(g)(3)], Phases: Phase II
Phases: Phase II

47 Calculate NOx emissions by multiplying the average hourly NOx output concentration, measured according to the provisions of 40 CFR 60.49Da(c), by the average hourly flow rate, measured according to the provisions of 40 CFR 60.49Da(l), and dividing by the average hourly gross energy output, measured according to the provisions of 40 CFR 60.49Da(k). Subpart Da. [40 CFR 60.48Da(i)], Phases: Phase II
Phases: Phase II

48 Calculate the Hg emission rate (lb/MWh) for each calendar month of the year, using hourly Hg concentrations measured according to the provisions of 40 CFR 60.49Da(p) in conjunction with hourly stack gas volumetric flow rates measured according to the provisions of 40 CFR 60.49Da(l) or (m), and hourly gross electrical outputs, determined according to the provisions in 40 CFR 60.49Da(k). Subpart Da. [40 CFR 60.48Da(l)], Phases: Phase II
Phases: Phase II

49 Calculate SO2 emissions by multiplying the average hourly SO2 output concentration, measured according to the provisions of 40 CFR 60.49Da(b), by the average hourly flow rate, measured according to the provisions of 40 CFR 60.49Da(l), and divided by the average hourly gross energy output, measured according to provisions of 40 CFR 60.49Da(k). Subpart Da. [40 CFR 60.48Da(m)], Phases: Phase II
Phases: Phase II

50 Opacity monitored by continuous opacity monitor (COM) continuously, except as provided for in 40 CFR 60.49Da(t) and (u). If opacity interference due to water droplets exists in the stack, monitor opacity upstream of the interference (at the inlet to the FGD system). If opacity interference is experienced at all locations, monitor alternate parameters indicative of the particulate matter control system's performance (subject to the approval of DEQ). Subpart Da. [40 CFR 60.49Da(a)]
Which Months: All Year Phases: Phase II Statistical Basis: Six-minute average

51 Opacity recordkeeping by electronic or hard copy continuously, except as provided for in 40 CFR 60.49Da(t) and (u). Subpart Da. [40 CFR 60.49Da(a)]
Phases: Phase II

52 Sulfur dioxide monitored by CMS continuously. Monitor at both the inlet and outlet of the sulfur dioxide control device. Subpart Da. [40 CFR 60.49Da(b)]
Which Months: All Year Phases: Phase II Statistical Basis: One-hour average

53 Sulfur dioxide recordkeeping by electronic or hard copy continuously. Subpart Da. [40 CFR 60.49Da(b)]
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

EQT001 CFB-1 - CFB Boiler

54 Oxygen or Carbon dioxide monitored by CMS continuously. Monitor the oxygen or carbon dioxide content of the flue gases at each location where sulfur dioxide or nitrogen oxides emissions are monitored. Subpart Da. [40 CFR 60.49Da(d)]
Which Months: All Year Phases: Phase II Statistical Basis: One-hour average

55 Oxygen or Carbon dioxide recordkeeping by electronic or hard copy continuously. Record the oxygen or carbon dioxide content of the flue gases at each location where sulfur dioxide or nitrogen oxides emissions are monitored. Subpart Da. [40 CFR 60.49Da(d)]
Phases: Phase II

56 Obtain emission data for at least 90 percent of all operating hours for each 30 successive boiler operating days. If this minimum data requirement cannot be met with a continuous monitoring system, supplement emission data with other monitoring systems approved by DEQ or the reference methods and procedures as described in 40 CFR 60.49Da(h). Subpart Da. [40 CFR 60.49Da(f)(2)], Phases: Phase II
Phases: Phase II

57 Mercury monitored by continuous emission monitor (CEM) continuously. Monitor the concentration of Hg in the exhaust gases from each stack according to the requirements in 40 CFR 60.49Da(p)(1) through (3). Subpart Da. [40 CFR 60.49Da(p)]
Which Months: All Year Phases: Phase II Statistical Basis: One-hour average

58 Mercury recordkeeping by electronic or hard copy continuously. Record the concentration of Hg in the exhaust gases from each stack according to the requirements in 40 CFR 60.49Da(p)(1) through (3). Subpart Da. [40 CFR 60.49Da(p)]
Phases: Phase II

59 Submit plan: Due to DEQ for approval of a unit-specific monitoring plan for each monitoring system, at least 45 days before commencing certification testing of the monitoring systems. Address in the plan the requirements in 40 CFR 60.49Da(s)(1) through (6). Subpart Da. [40 CFR 60.49Da(s)], Phases: Phase II
Phases: Phase II

60 Use as reference methods and procedures the methods specified in 40 CFR 60Da, Appendix A or the methods and procedures as specified in 40 CFR 60.50Da, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart Da. [40 CFR 60.50Da(a)], Phases: Phase II
Phases: Phase II

61 Determine compliance with the particulate matter standards in 40 CFR 60.42Da using the methods and procedures specified in 40 CFR 60.50Da(b)(1) through (b)(3). Subpart Da. [40 CFR 60.50Da(b)], Phases: Phase II
Phases: Phase II

62 Determine compliance with the sulfur dioxide standards in 40 CFR 60.43Da using the methods and procedures specified in 40 CFR 60.50Da(c)(1) through (c)(5). Subpart Da. [40 CFR 60.50Da(c)], Phases: Phase II
Phases: Phase II

63 Determine compliance with the nitrogen oxides standard in 40 CFR 60.44Da using the methods and procedures specified in 40 CFR 60.50Da(d)(1) and (d)(2). Subpart Da. [40 CFR 60.50Da(d)], Phases: Phase II
Phases: Phase II

64 Use the procedures in 40 CFR 60.50Da(g)(1) through (2) to calculate emission rates based on electrical output to the grid plus half of the equivalent electrical energy in the unit's process stream, for the purposes of determining compliance with the emission limits in 40 CFR 60.45Da and 60.46Da. Subpart Da. [40 CFR 60.50Da(g)], Phases: Phase II
Phases: Phase II

65 Determine compliance with the Hg limit in 40 CFR 60.45Da using the procedures specified in 40 CFR 60.50Da(h)(1) through (h)(3). Subpart Da. [40 CFR 60.50Da(h)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

EQT001 CFB-1 - CFB Boiler

66 Submit the performance test data from the initial performance test and from the performance evaluation of the continuous monitors (including the transmissometer). Subpart Da. [40 CFR 60.51Da(a)], Phases: Phase II
Phases: Phase II

67 Submit report: Due semiannually for each six-month period. Submit the information specified in 40 CFR 60.51Da(b)(1) through (b)(9) for each 24-hour period. Subpart Da. [40 CFR 60.51Da(b)], Phases: Phase II
Phases: Phase II

68 Submit report: Due semiannually for each six-month period. If the minimum quantity of emission data as required by 40 CFR 60.49Da is not obtained for any 30 successive boiler operating days, report the information specified in 40 CFR 60.51Da(c)(1) through (c)(5), obtained under the requirements of 40 CFR 60.48Da(h), for that 30-day period. Subpart Da. [40 CFR 60.51Da(c)], Phases: Phase II
Phases: Phase II

69 Submit a signed statement if any standards under 40 CFR 60.43Da are exceeded during emergency conditions because of control system malfunction. Indicate if emergency conditions existed and requirements under 40 CFR 60.48Da(d) were met during each period. List the time periods the emergency condition existed; the electrical output and demand on the electric utility system and the affected facility; the amount of power purchased from interconnected neighboring utility companies during the emergency period; the percent reduction in emissions achieved; the atmospheric emission rate (ng/J) of the pollutant discharged; and the actions taken to correct control system malfunction. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(d)], Phases: Phase II
Phases: Phase II

70 Submit a signed statement indicating if any changes were made in operation of the emission control system during periods of data unavailability, for any periods for which opacity, sulfur dioxide or nitrogen oxides emissions data are not available. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(f)], Phases: Phase II
Phases: Phase II

71 Submit report: Due semiannually for each six-month period. Submit the information specified in 40 CFR 60.51Da(g)(1) through (5). Subpart Da. [40 CFR 60.51Da(g)], Phases: Phase II
Phases: Phase II

72 Submit a signed statement indicating whether the required continuous monitoring system calibration, span, and drift checks or other periodic audits have or have not been performed as specified; the data used to show compliance was or was not obtained in accordance with approved methods and procedures of 40 CFR 60 and is representative of plant performance; the minimum data requirements have or have not been met; or, the minimum data requirements have not been met for errors that were unavoidable; and compliance with the standards has or has not been achieved during the reporting period. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(h)], Phases: Phase II
Phases: Phase II

73 Submit excess emissions report: Due quarterly. Submit opacity levels in excess of the applicable opacity standard and the date of such excesses. Subpart Da. [40 CFR 60.51Da(i)], Phases: Phase II
Phases: Phase II

74 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Provide notifications in accordance with 40 CFR 60.7(a). Subpart Da. [40 CFR 60.52Da]
Phases: Phase II

75 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of all information needed to demonstrate compliance including performance tests, monitoring data, fuel analyses, and calculations, consistent, with the requirements of 40 CFR 60.7(f). Subpart Da. [40 CFR 60.52Da]
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

EQT001 CFB-1 - CFB Boiler

76 Specific QA/QC Procedures: Calibrate, operate, and maintain instrumentation using procedures that take into account manufacturer's specifications. [40 CFR 64.3(b)(3)], Phases: Phase II
Phases: Phase II

77 Comply with the submitted implementation plan and schedule for installing, testing and performing any other appropriate activities prior to use of the monitoring, if any of the approved monitoring in this permit requires installation, testing, or other necessary activities prior to use of the monitoring for purposes of 40 CFR 64. Implement monitoring as *expeditiously as practicable after approval of the monitoring pursuant to 40 CFR 64.6, but in no case shall the period for completing installation and beginning operation of the* monitoring exceed 180 days after the date of commercial operation of this unit. [40 CFR 64.4(e)], Phases: Phase II
Phases: Phase II

78 Equipment/operational data monitored by technically sound method continuously. [40 CFR 64.6(c)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

79 An excursion or exceedance is defined as an opacity reading or a differential pressure reading that falls outside of the indicator range established in the initial performance test. [40 CFR 64.6(c)(2)], Phases: Phase II
Phases: Phase II

80 Submit Notification: Due at the DEQ upon the establishment or reestablishment of any exceedance or excursion level, for purposes of responding to and reporting exceedances or excursions under 40 CFR 64.7 and 64.8. [40 CFR 64.6(c)(2)], Phases: Phase II
Phases: Phase II

81 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. [40 CFR 64.6(c)(4)]
Phases: Phase II

82 Permittee shall commence construction of this source during the second half of 2007 and shall complete construction by November 2009. This source shall utilize a baghouse to control emissions of particulate matter and shall utilize a continuous opacity monitor to verify compliance with all applicable particulate matter emissions standards. Within 180 days of initial startup of this emissions unit, the permittee shall conduct a performance test in order to determine the indicator range necessary to verify compliance with all applicable particulate matter emissions standards. [40 CFR 64.6(d)], Phases: Phase II
Phases: Phase II

83 Schedule for installation, testing or final verification of operational status: Permittee shall install a continuous opacity monitoring system (COMS) and differential pressure gauges on the baghouse that controls particulate matter emissions from this source. Upon initial startup, permittee shall conduct a performance test to determine the indicator ranges for both the COMS and the differential pressure gauges that show compliance with the applicable particulate matter limitations. During the performance test, this source shall fire the worst case fuel configuration for the generation of particulate matter. [40 CFR 64.6(d)], Phases: Phase II
Phases: Phase II

84 Conduct the monitoring required under 40 CFR 64 upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to 40 CFR 64.6(d). [40 CFR 64.7(a)], Phases: Phase II
Phases: Phase II

85 Maintain the monitoring required under 40 CFR 64 at all times, including but not limited to maintaining necessary parts for routine repairs of the monitoring equipment. [40 CFR 64.7(b)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

EQT001 CFB-1 - CFB Boiler

86 Conduct all monitoring required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)], Phases: Phase II
Phases: Phase II

87 Restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable upon detecting an excursion or exceedance, in accordance with good air pollution control practices for minimizing emissions. Minimize the period of any startup, shutdown or malfunction, and take any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). [40 CFR 64.7(d)(1)], Phases: Phase II
Phases: Phase II

88 Submit written notification: Due to the Office of Environmental Compliance within 72 hours upon identifying a failure to achieve compliance with the particulate matter emission limitation for which, after approval of monitoring under 40 CFR 64, the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions. If necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. [40 CFR 64.7(e)], Phases: Phase II
Phases: Phase II

89 Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(iii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iii), as applicable. [40 CFR 64.9(a)], Phases: Phase II
Phases: Phase II

90 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
Phases: Phase II

91 Monitoring data recordkeeping by electronic or hard copy at the approved frequency. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
Phases: Phase II

92 Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)], Phases: Phase II
Phases: Phase II

93 To determine SO2 emissions, install, certify, operate, and maintain in accordance with all the requirements of 40 CFR 75 a SO2 continuous emission monitoring system and a flow monitoring system with an automated data acquisition and handling system for measuring and recording SO2 concentration (in ppm), volumetric gas flow (in scfh), and SO2 mass emissions (in lb/hr) discharged to the atmosphere, except as provided in 40 CFR 75.11 and 75.16 and subpart E of 40 CFR 75. [40 CFR 75.10(a)(1)], Phases: Phase II
Phases: Phase II

94 Install, certify, operate, and maintain a continuous opacity monitoring system with the automated data acquisition and handling system for measuring and recording the opacity of emissions (in percent opacity) discharged to the atmosphere, except as provided in 40 CFR 75.14 and 75.18. [40 CFR 75.10(a)(4)], Phases: Phase II
Phases: Phase II

95 Each continuous opacity monitoring system shall meet the design, installation, equipment, and performance specifications in Performance Specification 1 in appendix B to 40 CFR 60. [40 CFR 75.14(a)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

EQT001 CFB-1 - CFB Boiler

96 Excess emissions of NOX under 40 CFR 77.6 shall be calculated in accordance with 40 CFR 76.13. [40 CFR 76.13], Phases: Phase II
Phases: Phase II

97 The designated representative shall submit, by the applicable deadline under 40 CFR 76.9(b), a complete Acid Rain permit application (or, if the unit is covered by an Acid Rain permit, a complete permit revision) that includes a complete compliance plan for NOX emissions covering the unit. [40 CFR 76.9(a)], Phases: Phase II
Phases: Phase II

98 The designated representative shall submit a complete Acid Rain permit application, including a complete compliance plan for NOX emissions covering the unit, in accordance with the deadlines in 40 CFR 72.30(c). [40 CFR 76.9(d)], Phases: Phase II
Phases: Phase II

EQT002 CTG-1 - Combustion Turbine Generator #1

99 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

100 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

101 Carbon monoxide <= 25 ppmv at 15% oxygen. This limit shall apply when the unit operates at greater than or equal to 75% of rated load. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly average

102 Nitrogen oxides <= 23 ppmv at 15% oxygen. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly average

103 Permittee shall ensure compliance with the opacity and particulate emission limits of this permit by visually inspecting this source for visible emissions on a weekly basis. If visible emissions are detected, then, within three (3) working days, the permittee shall conduct a six minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted and the results of any Method 9 test. These records shall be kept on site and made available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.509]

104 Permittee shall install, maintain, and calibrate a continuous emissions monitoring system (CEMS) to provide a continuous record for NOx for this source. Monitoring records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.<
□
Permittee shall calculate and record the total NOx emissions each month based on the CEM reading, as well as for the last twelve consecutive months. These records shall be kept on site and made available for inspection by the Office of Environmental Compliance, Surveillance Division. NOx emissions above the maximum permitted limits for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the monthly total NOx emissions as well as the last twelve month cumulative totals shall be submitted to the Office of Environmental Compliance, Surveillance Division by February 15 for the preceding calendar year. [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

EQT002 CTG-1 - Combustion Turbine Generator #1

105 To ensure initial compliance with permitted emission limits, a stack test shall be performed for this source. The following test methods and procedures from New Source Performance Standards, 40 CFR 60, Appendix A, shall be used:□
□
a. NOx by methods and procedures specified by 40 CFR 60.335(c).□
b. Carbon monoxide by Method 10 - Determination of Carbon Monoxide emissions from Stationary Sources.□
c. Opacity by Method 9 - Visual Determination of Opacity of Emissions from Stationary Sources□
d. PM10 by Method 5 - Determination of Particulate emissions from Stationary Sources. [LAC 33:III.509]

106 Permittee shall use dry low NOx burners (DLN) in order to control emissions of nitrogen oxides. Determined as BACT. [LAC 33:III.509]

107 Permittee shall use good combustion practices in order to control emissions of carbon monoxide. Determined as BACT. [LAC 33:III.509]

108 Permittee shall fuel this source with pipeline quality natural gas in addition to employing good combustion practices in order to control emissions of particulate matter. Determined as BACT. [LAC 33:III.509]

109 Nitrogen oxides <= 0.0075 % by volume at 15% oxygen and on a dry basis in gases discharged to the atmosphere. Use analytical methods and procedures that are accurate to within 5 percent and are approved by DEQ to determine the nitrogen content of the fuel being fired per 40 CFR 60.335(a). Subpart GG. [40 CFR 60.332(a)(1)]
Which Months: All Year Statistical Basis: None specified

110 Sulfur dioxide <= 0.015 % by volume at 15 percent oxygen and on a dry basis in gases discharged to the atmosphere. Subpart GG. [40 CFR 60.333(a)]
Which Months: All Year Statistical Basis: None specified

111 Fuel sulfur content <= 0.8 % by weight (8000 ppmw) for any fuel burned. Subpart GG. [40 CFR 60.333(b)]
Which Months: All Year Statistical Basis: None specified

112 Fuel monitored by CMS continuously, except as specified in 40 CFR 60.334(b). Monitor fuel consumption. Subpart GG. [40 CFR 60.334(a)]
Which Months: All Year Statistical Basis: None specified

113 Fuel recordkeeping by CMS continuously. Record fuel consumption. Subpart GG. [40 CFR 60.334(a)]

114 Ratio monitored by CMS continuously, except as specified in 40 CFR 60.334(b). Monitor the ratio of water or steam to fuel being fired in the turbine. Subpart GG. [40 CFR 60.334(a)]
Which Months: All Year Statistical Basis: None specified

115 Ratio recordkeeping by CMS continuously. Record the ratio of water or steam to fuel being fired in the turbine. Subpart GG. [40 CFR 60.334(a)]

116 Carbon dioxide and Nitrogen oxides monitored by continuous emission monitor (CEM) continuously as specified in 40 CFR 60.334(b)(1) through (b)(3). Subpart GG. [40 CFR 60.334(b)]
Which Months: All Year Statistical Basis: None specified

117 Carbon dioxide and Nitrogen oxides recordkeeping by electronic or hard copy continuously as specified in 40 CFR 60.334(b)(1) through (b)(3). Subpart GG. [40 CFR 60.334(b)]

118 Monitor the steam or water to fuel ratio or other parameters that are continuously monitored as described in 40 CFR 60.334(a), (d) or (f) during the performance test required under 40 CFR 60.8, to establish acceptable values and ranges. Develop and keep on-site a parameter monitoring plan which explains the procedures used to document proper operation of the NOx emission controls. Include the parameter(s) monitored and the acceptable range(s) of the parameter(s) as well as the basis for designating the parameter(s) and acceptable range(s). Include any supplemental data such as engineering analyses, design specifications, manufacturer's recommendations and other relevant information in the monitoring plan. Subpart GG. [40 CFR 60.334(g)]

119 Fuel sulfur content monitored by the regulation's specified method(s) at the regulation's specified frequency, except as specified in 40 CFR 60.334(h)(3). Monitor the total sulfur content of the fuel being fired in the turbine using total sulfur methods described in 40 CFR 60.335(b)(10). Subpart GG. [40 CFR 60.334(h)(1)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

EQT002 CTG-1 - Combustion Turbine Generator #1

120 Fuel nitrogen content monitored by the regulation's specified method(s) at the regulation's specified frequency. Monitor the nitrogen content of the fuel combusted in the turbine, if claiming an allowance for fuel bound nitrogen. Determine the nitrogen content of the fuel using methods described in 40 CFR 60.335(b)(9) or an approved alternative. Subpart GG. [40 CFR 60.334(h)(2)]
Which Months: All Year Statistical Basis: None specified

121 Submit quarterly excess emissions report: Due by the 30th day following the end of each calendar quarter. Report periods during which an exemption provided in 40 CFR 60.332(f) is in effect. Report the date and time the air pollution control system was deactivated, and the date and time the air pollution control system was reactivated. Subpart GG. [40 CFR 60.334(j)(3)]

122 Include each period during which an exemption provided in 40 CFR 60.332(k) is in effect in the report required in 40 CFR 60.7(c). For each period, report the type, reasons, and duration of the firing of the emergency fuel. Subpart GG. [40 CFR 60.334(j)(4)]

123 Submit excess emissions reports and monitor downtime in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including startup, shutdown and malfunction. Subpart GG. [40 CFR 60.334(j)]

124 Determine compliance using the test methods and procedures specified in 40 CFR 60.335(a) through (c). Subpart GG. [40 CFR 60.335]

EQT003 CTG-2 - Combustion Turbine Generator #2

125 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

126 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

127 Carbon monoxide <= 25 ppmv at 15% oxygen. This limit shall apply when the unit operates at greater than or equal to 75% of rated load. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly average

128 Nitrogen oxides <= 23 ppmv at 15% oxygen. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly average

129 Permittee shall fuel this source with pipeline quality natural gas in addition to employing good combustion practices in order to control emissions of particulate matter. Determined as BACT. [LAC 33:III.509]

130 Permittee shall use dry low NOx burners (DLN) in order to control emissions of nitrogen oxides. Determined as BACT. [LAC 33:III.509]

131 Permittee shall use good combustion practices in order to control emissions of carbon monoxide. Determined as BACT. [LAC 33:III.509]

132 Permittee shall install, maintain, and calibrate a continuous emissions monitoring system (CEMS) to provide a continuous record for NOx for this source. Monitoring records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.I
□
Permittee shall calculate and record the total NOx emissions each month based on the CEM reading, as well as for the last twelve consecutive months. These records shall be kept on site and made available for inspection by the Office of Environmental Compliance, Surveillance Division. NOx emissions above the maximum permitted limits for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the monthly total NOx emissions as well as the last twelve month cumulative totals shall be submitted to the Office of Environmental Compliance, Surveillance Division by February 15 for the preceding calendar year. [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

EQT003 CTG-2 - Combustion Turbine Generator #2

133 Permittee shall ensure compliance with the opacity and particulate emission limits of this permit by visually inspecting this source for visible emissions on a weekly basis. If visible emissions are detected, then, within three (3) working days, the permittee shall conduct a six minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted and the results of any Method 9 test. These records shall be kept on site and made available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.509]

134 To ensure initial compliance with permitted emission limits, a stack test shall be performed for this source. The following test methods and procedures from New Source Performance Standards, 40 CFR 60, Appendix A, shall be used:□
□
a. NOx by methods and procedures specified by 40 CFR 60.335(c).□
b. Carbon monoxide by Method 10 - Determination of Carbon Monoxide emissions from Stationary Sources.□
c. Opacity by Method 9 - Visual Determination of Opacity of Emissions from Stationary Sources□
d. PM10 by Method 5 - Determination of Particulate emissions from Stationary Sources. [LAC 33:III.509]

135 Nitrogen oxides <= 0.0075 % by volume at 15% oxygen and on a dry basis in gases discharged to the atmosphere. Use analytical methods and procedures that are accurate to within 5 percent and are approved by DEQ to determine the nitrogen content of the fuel being fired per 40 CFR 60.335(a). Subpart GG. [40 CFR 60.332(a)(1)]
Which Months: All Year Statistical Basis: None specified

136 Sulfur dioxide <= 0.015 % by volume at 15 percent oxygen and on a dry basis in gases discharged to the atmosphere. Subpart GG. [40 CFR 60.333(a)]
Which Months: All Year Statistical Basis: None specified

137 Fuel sulfur content <= 0.8 % by weight (8000 ppmw) for any fuel burned. Subpart GG. [40 CFR 60.333(b)]
Which Months: All Year Statistical Basis: None specified

138 Fuel monitored by CMS continuously, except as specified in 40 CFR 60.334(b). Monitor fuel consumption. Subpart GG. [40 CFR 60.334(a)]
Which Months: All Year Statistical Basis: None specified

139 Fuel recordkeeping by CMS continuously. Record fuel consumption. Subpart GG. [40 CFR 60.334(a)]

140 Ratio monitored by CMS continuously, except as specified in 40 CFR 60.334(b). Monitor the ratio of water or steam to fuel being fired in the turbine. Subpart GG. [40 CFR 60.334(a)]
Which Months: All Year Statistical Basis: None specified

141 Ratio recordkeeping by CMS continuously. Record the ratio of water or steam to fuel being fired in the turbine. Subpart GG. [40 CFR 60.334(a)]

142 Carbon dioxide and Nitrogen oxides monitored by continuous emission monitor (CEM) continuously as specified in 40 CFR 60.334(b)(1) through (b)(3). Subpart GG. [40 CFR 60.334(b)]
Which Months: All Year Statistical Basis: None specified

143 Carbon dioxide and Nitrogen oxides recordkeeping by electronic or hard copy continuously as specified in 40 CFR 60.334(b)(1) through (b)(3). Subpart GG. [40 CFR 60.334(b)]

144 Monitor the steam or water to fuel ratio or other parameters that are continuously monitored as described in 40 CFR 60.334(a), (d) or (f) during the performance test required under 40 CFR 60.8, to establish acceptable values and ranges. Develop and keep on-site a parameter monitoring plan which explains the procedures used to document proper operation of the NOx emission controls. Include the parameter(s) monitored and the acceptable range(s) of the parameter(s) as well as the basis for designating the parameter(s) and acceptable range(s). Include any supplemental data such as engineering analyses, design specifications, manufacturer's recommendations and other relevant information in the monitoring plan. Subpart GG. [40 CFR 60.334(g)]

145 Fuel sulfur content monitored by the regulation's specified method(s) at the regulation's specified frequency, except as specified in 40 CFR 60.334(h)(3). Monitor the total sulfur content of the fuel being fired in the turbine using total sulfur methods described in 40 CFR 60.335(b)(10). Subpart GG. [40 CFR 60.334(h)(1)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

EQT003 CTG-2 - Combustion Turbine Generator #2

146 Fuel nitrogen content monitored by the regulation's specified method(s) at the regulation's specified frequency. Monitor the nitrogen content of the fuel combusted in the turbine, if claiming an allowance for fuel bound nitrogen. Determine the nitrogen content of the fuel using methods described in 40 CFR 60.335(b)(9) or an approved alternative. Subpart GG. [40 CFR 60.334(h)(2)]
Which Months: All Year Statistical Basis: None specified

147 Submit quarterly excess emissions report: Due by the 30th day following the end of each calendar quarter. Report periods during which an exemption provided in 40 CFR 60.332(f) is in effect. Report the date and time the air pollution control system was deactivated, and the date and time the air pollution control system was reactivated. Subpart GG. [40 CFR 60.334(j)(3)]

148 Include each period during which an exemption provided in 40 CFR 60.332(k) is in effect in the report required in 40 CFR 60.7(c). For each period, report the type, reasons, and duration of the firing of the emergency fuel. Subpart GG. [40 CFR 60.334(j)(4)]

149 Submit excess emissions reports and monitor downtime in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including startup, shutdown and malfunction. Subpart GG. [40 CFR 60.334(j)]

150 Determine compliance using the test methods and procedures specified in 40 CFR 60.335(a) through (c). Subpart GG. [40 CFR 60.335]

EQT004 GEN - Emergency Generator

151 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

152 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT005 T-5 - Gasoline Tank

153 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

154 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

155 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

EQT006 T-3 - Gasoline Storage Tank

156 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

157 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

158 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

EQT010 1B1 - Boiler 1

159 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Phases: Phase I Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

EQT010 1B1 - Boiler 1

160 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Phases: Phase I Statistical Basis: None specified

161 Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D.Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. Compliance with 40 CFR 75.11(d)(2) shall be determined as compliance with this specific condition except for the initial compliance determination. [LAC 33:III.1503.D.1], Phases: Phase I
Phases: Phase I

162 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
Phases: Phase I

163 Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:I.Chapter 39. [LAC 33:III.1513], Phases: Phase I
Phases: Phase I

164 Operating time recordkeeping by the regulation's specified method(s) upon occurrence of event. Record the operating time with a nonresettable, elapsed run-time meter. [LAC 33:III.2201.H.12]
Phases: Phase I

165 Submit notification: Due within seven days if the hours-per-ozone season limit is exceeded. [LAC 33:III.2201.H.12], Phases: Phase I
Phases: Phase I

166 Submit permit modification: Due within 90 days after receipt of notification from DEQ of the loss of exemption due to exceedance of the hours-per-ozone season limit. Submit a permit modification detailing how to meet the applicable emission factor as soon as possible, but no later than 24 months, after exceeding the limit. Include a schedule of increments of progress for the installation and operation of the required control equipment. [LAC 33:III.2201.H.12], Phases: Phase I
Phases: Phase I

167 Permittee shall ensure compliance with the opacity and particulate emission limits of this permit by visually inspecting this source for visible emissions on a weekly basis. If visible emissions are detected, then, within three (3) working days, the permittee shall conduct a six minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted and the results of any Method 9 test. These records shall be kept on site and made available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6], Phases: Phase I
Phases: Phase I

168 Permittee shall install, maintain, and calibrate a continuous emissions monitoring system to provide a continuous record for NOx on the stack of this boiler. Monitoring records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6], Phases: Phase I
Phases: Phase I

169 Permittee shall not fire this boiler at a rate that exceeds 60% of the maximum firing rate of 1,200 MMBTU/hr. [LAC 33:III.501.C.6], Phases: Phase I
Phases: Phase I

170 At no time and under no circumstances shall this unit be operated concurrently with EQT 1. Once EQT 1 achieves commercial operation, this unit shall cease all operations and be decomissioned. [LAC 33:III.509]

171 Permittee shall comply with the initial notification provisions of 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

EQT011 1B2 - Boiler 2

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

EQT011 1B2 - Boiler 2

172 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Phases: Phase I Statistical Basis: None specified

173 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Phases: Phase I Statistical Basis: None specified

174 Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D.Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. Compliance with 40 CFR 75.11(d)(2) shall be determined as compliance with this specific condition except for the initial compliance determination. [LAC 33:III.1503.D.1], Phases: Phase I
Phases: Phase I

175 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
Phases: Phase I

176 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
Phases: Phase I

177 Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:I.Chapter 39. [LAC 33:III.1513], Phases: Phase I
Phases: Phase I

178 Operating time recordkeeping by the regulation's specified method(s) upon occurrence of event. Record the operating time with a nonresettable, elapsed run-time meter. [LAC 33:III.2201.H.12]
Phases: Phase I

179 Submit notification: Due within seven days if the hours-per-ozone season limit is exceeded. [LAC 33:III.2201.H.12], Phases: Phase I
Phases: Phase I

180 Submit permit modification: Due within 90 days after receipt of notification from DEQ of the loss of exemption due to exceedance of the hours-per-ozone season limit. Submit a permit modification detailing how to meet the applicable emission factor as soon as possible, but no later than 24 months, after exceeding the limit. Include a schedule of increments of progress for the installation and operation of the required control equipment. [LAC 33:III.2201.H.12], Phases: Phase I
Phases: Phase I

181 Permittee shall ensure compliance with the opacity and particulate emission limits of this permit by visually inspecting this source for visible emissions on a weekly basis. If visible emissions are detected, then, within three (3) working days, the permittee shall conduct a six minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted and the results of any Method 9 test. These records shall be kept on site and made available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6], Phases: Phase I
Phases: Phase I

182 Permittee shall install, maintain, and calibrate a continuous emissions monitoring system to provide a continuous record for NOx on the stack of this boiler. Monitoring records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6], Phases: Phase I
Phases: Phase I

183 Permittee shall not fire this boiler at a rate that exceeds 60% of the maximum firing rate of 1,200 MMBTU/hr. [LAC 33:III.501.C.6], Phases: Phase I
Phases: Phase I

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

EQT011 1B2 - Boiler 2

184 At no time and under no circumstances shall this unit be operated concurrently with EQT 1. Once EQT 1 achieves commercial operation, this unit shall cease all operations and be decomissioned. [LAC 33:III.509]

185 Permittee shall comply with the initial notification provisions of 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

FUG001 E1 - Transfer Point - Emergency Pile Material Handling

186 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305], Phases: Phase II
Phases: Phase II

187 Permittee shall use best operating practices and telescopic chutes in order to control emissions of PM10. Determined as BACT. [LAC 33:III.509], Phases: Phase II
Phases: Phase II

188 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

189 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)], Phases: Phase II
Phases: Phase II

190 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)], Phases: Phase II
Phases: Phase II

191 Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

192 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

193 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
Phases: Phase II

194 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II

195 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases: Phase II
Phases: Phase II

196 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG001 E1 - Transfer Point - Emergency Pile Material Handling

197 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

198 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
Phases: Phase II

199 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(4), to determine compliance with the particulate matter standards in 40 CFR 60.672(b) and (c). Subpart OOO. [40 CFR 60.675(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

200 Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]
Phases: Phase II

201 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
Phases: Phase II

202 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
Phases: Phase II

203 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II
Phases: Phase II

FUG002 FUG2 - Material Handling - Outside Conveyors

204 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305], Phases: Phase II
Phases: Phase II

205 Permittee shall use wind screens in order to control emissions of PM10. Determined as BACT. [LAC 33:III.509], Phases: Phase II
Phases: Phase II

206 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

207 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)], Phases: Phase II
Phases: Phase II

208 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG002 FUG2 - Material Handling - Outside Conveyors

209 Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

210 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

211 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
Phases: Phase II

212 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II

213 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases: Phase II
Phases: Phase II

214 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II
Phases: Phase II

215 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

216 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
Phases: Phase II

217 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

218 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Phases: Phase II

219 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
Phases: Phase II

220 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG002 FUG2 - Material Handling - Outside Conveyors

221 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II
Phases: Phase II

FUG003 FUG3 - Emergency Pile Wind Erosion

222 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305], Phases: Phase II
Phases: Phase II

223 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

224 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
Phases: Phase II

225 Submit report: Due annually, by the 31st of March. Report the throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6], Phases: Phase II
Phases: Phase II

226 Permittee shall use best operating practices and telescopic chutes in order to control emissions of PM10. Determined as BACT. [LAC 33:III.509], Phases: Phase II
Phases: Phase II

FUG004 FUG4 - Fugitive Dust from Paved Roads

227 Permittee shall pave all roads within the Big Cajun I Power Plant site. Permittee shall use best operating practices, including cleaning and sweeping of the roads, in order to control emissions of PM10. Determined as BACT. [LAC 33:III.509], Phases: Phase II
Phases: Phase II

FUG005 TP1 - Transfer Point - Barge Unloader

228 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305], Phases: Phase II
Phases: Phase II

229 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

230 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
Phases: Phase II

231 Submit report: Due annually, by the 31st of March. Report the throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG005 TP1 - Transfer Point - Barge Unloader

232 Throughput <= 2.70 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

233 Permittee shall use wind screens and dry fogging in order to control emissions of PM10. Determined as BACT. [LAC 33:III.509], Phases: Phase II
Phases: Phase II

234 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

235 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)], Phases: Phase II
Phases: Phase II

236 Determine compliance with particulate matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)], Phases: Phase II
Phases: Phase II

237 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

238 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
Phases: Phase II

239 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II

240 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II
Phases: Phase II

241 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Phases: Phase II

242 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(4), to determine compliance with the particulate matter standards in 40 CFR 60.672(b) and (c). Subpart OOO. [40 CFR 60.675(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

243 Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]
Phases: Phase II

244 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG005 TP1 - Transfer Point - Barge Unloader

245 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
Phases: Phase II

246 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II
Phases: Phase II

FUG006 TP2 - Transfer Point - Unloading Hopper to Conveyor C-1

247 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305], Phases: Phase II
Phases: Phase II

248 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

249 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
Phases: Phase II

250 Submit report: Due annually, by the 31st of March. Report the throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6], Phases: Phase II
Phases: Phase II

251 Throughput <= 2.70 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

252 Permittee shall use wind screens and dry fogging in order to control emissions of PM10. Determined as BACT. [LAC 33:III.509], Phases: Phase II
Phases: Phase II

253 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

254 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)], Phases: Phase II
Phases: Phase II

255 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)], Phases: Phase II
Phases: Phase II

256 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG006 TP2 - Transfer Point - Unloading Hopper to Conveyor C-1

257 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
Phases: Phase II

258 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II

259 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases: Phase II
Phases: Phase II

260 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II
Phases: Phase II

261 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Phases: Phase II

262 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(4), to determine compliance with the particulate matter standards in 40 CFR 60.672(b) and (c). Subpart OOO. [40 CFR 60.675(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

263 Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]
Phases: Phase II

264 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
Phases: Phase II

265 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
Phases: Phase II

266 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II
Phases: Phase II

FUG007 TP3 - Transfer Point - Conveyor C-1 to Conveyor C-2

267 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG007 TP3 - Transfer Point - Conveyor C-1 to Conveyor C-2

268 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

269 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
Phases: Phase II

270 Submit report: Due annually, by the 31st of March. Report the throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6], Phases: Phase II
Phases: Phase II

271 Throughput <= 2.70 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

272 Permittee shall use wind screens and dry fogging in order to control emissions of PM10. Determined as BACT. [LAC 33:III.509], Phases: Phase II
Phases: Phase II

273 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

274 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)], Phases: Phase II
Phases: Phase II

275 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)], Phases: Phase II
Phases: Phase II

276 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

277 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
Phases: Phase II

278 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II

279 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases: Phase II
Phases: Phase II

280 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG007 TP3 - Transfer Point - Conveyor C-1 to Conveyor C-2

281 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Phases: Phase II

282 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(4), to determine compliance with the particulate matter standards in 40 CFR 60.672(b) and (c). Subpart OOO. [40 CFR 60.675(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

283 Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]
Phases: Phase II

284 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
Phases: Phase II

285 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
Phases: Phase II

286 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II
Phases: Phase II

FUG008 TP4 - Transfer House 1 - Conveyor C-2 to Conveyor C-3 or C-4

287 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305], Phases: Phase II
Phases: Phase II

288 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

289 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
Phases: Phase II

290 Submit report: Due annually, by the 31st of March. Report the throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6], Phases: Phase II
Phases: Phase II

291 Throughput <= 2.70 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

292 Permittee shall use wind screens and dry fogging in order to control emissions of PM10. Determined as BACT. [LAC 33:III.509], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG008 TP4 - Transfer House 1 - Conveyor C-2 to Conveyor C-3 or C-4

293 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

294 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)], Phases: Phase II
Phases: Phase II

295 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)],
Phases: Phase II
Phases: Phase II

296 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

297 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
Phases: Phase II

298 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II

299 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases: Phase II
Phases: Phase II

300 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II
Phases: Phase II

301 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Phases: Phase II

302 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(4), to determine compliance with the particulate matter standards in 40 CFR 60.672(b) and (c). Subpart OOO. [40 CFR 60.675(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

303 Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]
Phases: Phase II

304 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG008 TP4 - Transfer House 1 - Conveyor C-2 to Conveyor C-3 or C-4

305 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
Phases: Phase II

306 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II
Phases: Phase II

FUG009 TP5 - Limestone Storage Dome - Dust Collection System

307 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305], Phases: Phase II
Phases: Phase II

308 Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

309 Filter vents: Visible emissions monitored by visual inspection/determination daily. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

310 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT. [LAC 33:III.509]
Phases: Phase II

311 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT. [LAC 33:III.509]
Phases: Phase II

312 Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

313 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO. [40 CFR 60.672(a)(2)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

314 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

315 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
Phases: Phase II

316 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG009 TP5 - Limestone Storage Dome - Dust Collection System

317 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases: Phase II
Phases: Phase II

318 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II
Phases: Phase II

319 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

320 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
Phases: Phase II

321 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

322 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Phases: Phase II

323 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(4), to determine compliance with the particulate matter standards in 40 CFR 60.672(b) and (c). Subpart OOO. [40 CFR 60.675(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

324 Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]
Phases: Phase II

325 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)], Phases: Phase II
Phases: Phase II

326 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
Phases: Phase II

327 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG009 TP5 - Limestone Storage Dome - Dust Collection System

328 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II
Phases: Phase II

FUG010 TP6 - Fuel Storage Dome - Dust Collection System

329 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305], Phases: Phase II
Phases: Phase II

330 Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

331 Filter vents: Visible emissions monitored by visual inspection/determination daily. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

332 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT. [LAC 33:III.509]
Phases: Phase II

333 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT. [LAC 33:III.509]
Phases: Phase II

334 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

335 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)], Phases: Phase II
Phases: Phase II

336 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)], Phases: Phase II
Phases: Phase II

FUG011 TP7 - Fuel Crusher House - Dust Collection System

337 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305], Phases: Phase II
Phases: Phase II

338 Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

339 Filter vents: Visible emissions monitored by visual inspection/determination daily. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG011 TP7 - Fuel Crusher House - Dust Collection System

340 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT. [LAC 33:III.509]
Phases: Phase II

341 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT. [LAC 33:III.509]
Phases: Phase II

342 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

343 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)], Phases: Phase II
Phases: Phase II

344 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)], Phases: Phase II
Phases: Phase II

FUG012 TP8 - Fuel Silos - Dust Collection System

345 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305], Phases: Phase II
Phases: Phase II

346 Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

347 Filter vents: Visible emissions monitored by visual inspection/determination daily. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

348 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT. [LAC 33:III.509]
Phases: Phase II

349 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT. [LAC 33:III.509]
Phases: Phase II

350 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

351 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)], Phases: Phase II
Phases: Phase II

352 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG013 TP9 - Limestone Transfer Tower - Conveyor C-9 to Conveyor C-10

353 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

354 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
Phases: Phase II

355 Submit report: Due annually, by the 31st of March. Report the throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6], Phases: Phase II
Phases: Phase II

356 Throughput <= 500000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

357 Permittee shall use wind screens and dry fogging in order to control emissions of PM10. Determined as BACT. [LAC 33:III.509], Phases: Phase II
Phases: Phase II

358 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

359 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
Phases: Phase II

360 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II

361 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases: Phase II
Phases: Phase II

362 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II
Phases: Phase II

363 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Phases: Phase II

364 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(4), to determine compliance with the particulate matter standards in 40 CFR 60.672(b) and (c). Subpart OOO. [40 CFR 60.675(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

365 Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG013 TP9 - Limestone Transfer Tower - Conveyor C-9 to Conveyor C-10

366 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
Phases: Phase II

367 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
Phases: Phase II

368 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II
Phases: Phase II

FUG014 TP10 - Limestone Silo and Crusher - Dust Collection System

369 Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

370 Filter vents: Visible emissions monitored by visual inspection/determination daily. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

371 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT. [LAC 33:III.509]
Phases: Phase II

372 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT. [LAC 33:III.509]
Phases: Phase II

373 Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

374 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO. [40 CFR 60.672(a)(2)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

375 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

376 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
Phases: Phase II

377 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG014 TP10 - Limestone Silo and Crusher - Dust Collection System

378 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases: Phase II
Phases: Phase II

379 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II
Phases: Phase II

380 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

381 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
Phases: Phase II

382 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

383 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Phases: Phase II

384 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(4), to determine compliance with the particulate matter standards in 40 CFR 60.672(b) and (c). Subpart OOO. [40 CFR 60.675(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

385 Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]
Phases: Phase II

386 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)], Phases: Phase II
Phases: Phase II

387 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
Phases: Phase II

388 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG014 TP10 - Limestone Silo and Crusher - Dust Collection System

389 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II
Phases: Phase II

FUG015 TP11 - Ash Silo - Dust Collection System

390 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305], Phases: Phase II
Phases: Phase II

391 Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

392 Filter vents: Visible emissions monitored by visual inspection/determination daily. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

393 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT. [LAC 33:III.509]
Phases: Phase II

394 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT. [LAC 33:III.509]
Phases: Phase II

FUG016 TP12 - Ash Truck Loading

395 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305], Phases: Phase II
Phases: Phase II

396 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

397 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
Phases: Phase II

398 Submit report: Due annually, by the 31st of March. Report the throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6], Phases: Phase II
Phases: Phase II

399 Throughput <= 1.32 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

400 Permittee shall use a closed vent system that vents back into the ash silo in order to control emissions of PM10. Determined as BACT. [LAC 33:III.509], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

FUG017 TP13 - Lime Silo - Dust Collection System

401 Throughput monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

402 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
Phases: Phase II

403 Submit report: Due annually, by the 31st of March. Report the throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6], Phases: Phase II
Phases: Phase II

404 Throughput <= 1040 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

405 Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

406 Filter vents: Visible emissions monitored by visual inspection/determination daily. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

407 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT. [LAC 33:III.509]
Phases: Phase II

408 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT. [LAC 33:III.509]
Phases: Phase II

GRP003 Big Cajun I Power Plant Facility

409 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]

410 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]

411 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]

412 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]

413 Permittee shall comply with all applicable provisions of 40 CFR 60 Subpart HHHH - Emission Guidelines and Compliance Times for Coal-Fired Electric Steam Generating Units. Per 40 CFR 60.4101, an owner or operator of a unit or a source shall comply with the requirements of this subpart as a matter of Federal law if the State with jurisdiction over the unit and the source incorporates by reference this subpart. LDEQ has incorporated HHHH by reference. [LAC 33:III.3003.A]

414 Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. (State Only). [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: *PER20040001*
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

GRP003 Big Cajun I Power Plant Facility

415 Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only). [LAC 33:III.501.C.6]

416 Carbon monoxide <= 771.61 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum

417 Carbon monoxide <= 1225.50 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum

418 Nitrogen oxides <= 3504.45 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum

419 Nitrogen oxides <= 1030.85 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum

420 Particulate matter (10 microns or less) <= 258.92 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum

421 Particulate matter (10 microns or less) <= 223.23 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum

422 Sulfur dioxide <= 5048.22 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum

423 Sulfur dioxide <= 1460.68 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum

424 VOC, Total <= 43.52 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum

425 VOC, Total <= 55.06 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum

426 1,1,1-Trichloroethane <= 0.010 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum

427 1,4-Dichlorobenzene <= 0.008 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum

428 Acetaldehyde <= 0.160 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum

429 Acrolein <= 0.020 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum

430 Arsenic (and compounds) <= 0.026 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum

431 Barium (and compounds) <= 0.028 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum

432 Benzene <= 0.052 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum

433 Ammonia <= 1.106 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

GRP003 Big Cajun I Power Plant Facility

434 Beryllium (Table 51.1) <= 0.018 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
435 Cadmium (and compounds) <= 0.018 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
436 Chlorine <= 6.000 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
437 Chromium VI (and compounds) <= 0.006 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
438 Ethyl benzene <= 0.142 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
439 Cobalt compounds < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
440 Copper (and compounds) <= 0.038 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
441 Formaldehyde <= 4.406 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
442 Lead compounds <= 0.056 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
443 Manganese (and compounds) <= 0.038 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
444 Mercury (and compounds) <= 0.018 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
445 Naphthalene <= 0.056 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
446 Nickel (and compounds) <= 0.018 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
447 Polynuclear Aromatic Hydrocarbons <= 0.212 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
448 Selenium (and compounds) <= 0.094 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
449 Propylene oxide <= 0.120 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
450 Toluene <= 0.820 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
451 Xylene (mixed isomers) <= 0.260 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
452 Zinc (and compounds) <= 0.180 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum
453 n-Hexane <= 11.130 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase I Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

GRP003 Big Cajun I Power Plant Facility

454 1,1,1-Trichloroethane <= 0.035 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
455 1,1,2,2-Tetrachloroethane <= 0.012 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
456 1,2-Dichloropropane <= 0.032 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
457 2,4,6-Trichlorophenol < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
458 2,4-Dinitrophenol < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
459 2,4-Dinitrotoluene < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
460 2-Methylnaphthalene < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
461 1,3-Butadiene <= 0.002 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
462 Acetaldehyde <= 1.113 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
463 Acetophenone <= 0.004 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
464 Acrolein <= 3.980 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
465 Ammonia <= 26.406 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
466 Antimony (and compounds) <= 0.010 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
467 Arsenic (and compounds) <= 0.234 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
468 Barium (and compounds) <= 0.165 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
469 Benzene <= 4.460 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
470 Benzyl chloride <= 0.200 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
471 Beryllium (Table 51.1) <= 0.012 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
472 Biphenyl <= 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
473 Bromoform <= 0.011 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

GRP003 Big Cajun I Power Plant Facility

474 Cadmium (and compounds) <= 0.029 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
475 Carbon disulfide <= 0.037 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
476 Carbon tetrachloride <= 0.044 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
477 Chlorinated Dibenzo-P-Dioxins <= 0.002 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
478 Chlorinated dibenzofurans <= 0.000002 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
479 Chlorobenzene <= 0.038 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
480 Chloroethane <= 0.012 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
481 Chloroform <= 0.042 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
482 Chlorine <= 6.000 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
483 Chromium VI (and compounds) <= 0.045 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
484 Cobalt compounds <= 0.057 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
485 Copper (and compounds) <= 0.048 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
486 Cumene <= 0.002 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
487 Cyanide compounds <= 0.715 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
488 Dichloromethane <= 0.356 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
489 Dimethyl sulfate <= 0.014 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
490 Ethyl benzene <= 0.194 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
491 Formaldehyde <= 7.300 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
492 Hydrochloric acid <= 3.430 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
493 Hydrofluoric acid <= 0.429 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

GRP003 Big Cajun I Power Plant Facility

494 Isophorone <= 0.166 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
495 Lead compounds <= 0.240 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
496 Manganese (and compounds) <= 1.810 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
497 Mercury (and compounds) <= 0.146 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
498 Methyl Tertiary Butyl Ether <= 0.010 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
499 Methyl bromide <= 0.046 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
500 Methyl chloride <= 0.152 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
501 Methyl ethyl ketone <= 0.111 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
502 Methyl methacrylate <= 0.006 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
503 Monomethyl hydrazine <= 0.049 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
504 Naphthalene <= 0.107 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
505 Nickel (and compounds) <= 0.160 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
506 Phenol <= 0.054 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
507 Polynuclear Aromatic Hydrocarbons <= 0.142 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
508 Propionaldehyde <= 0.109 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
509 Propylene oxide <= 0.120 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
510 Selenium (and compounds) <= 0.743 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
511 Styrene <= 1.853 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
512 Sulfuric acid <= 13.600 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
513 Thallium < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

GRP003 **Big Cajun I Power Plant Facility**

514 Toluene <= 0.956 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
515 Trichloroethylene <= 0.029 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
516 Vinyl acetate <= 0.002 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
517 Vinyl chloride <= 0.017 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
518 Xylene (mixed isomers) <= 0.294 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
519 Zinc (and compounds) <= 0.010 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
520 alpha-Chloroacetophenone <= 0.002 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
521 n-Hexane <= 0.019 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
522 pentachloro-Phenol < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Phase II Statistical Basis: Annual maximum
523 Alternate Operating Scenario: Operating plan recordkeeping by logbook upon each occurrence of making a change from one operating scenario to another. Record the operating scenario under which the facility is currently operating. Include in this record the identity of the sources involved, the permit number under which the scenario is included, and the date of change. Keep a copy of the log on site for at least two years. [LAC 33:III.507.G.5]
524 Comply with the requirements of PSD-LA-660(M-1). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-660(M-1). [LAC 33:III.509]
525 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 1st of July to the Department of Environmental Quality, Office of Environmental Services, Air Permits Division. Include the information in LAC 33:III.5307.A for the preceding calendar year. [LAC 33:III.5307.B]
526 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
527 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
528 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
529 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]
530 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
531 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
532 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
533 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

GRP003 Big Cajun I Power Plant Facility

534 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

535 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]

536 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

537 Louisiana Generating, LLC's Big Cajun I Power Plant shall secure one allowance for each ton of SO2 emitted per year. At the end of the year, each used allowance is retired and cannot be used again. EPA will record allowance transfers that are used for compliance and ensure that Big Cajun I Power Plant's emissions do not exceed the number of allowances it holds via the Allowance Tracking System (ATS). See Subparts C & D of part 73. [40 CFR 72.9(c)(1)(i)]

GRP006 Acid Rain Requirements

538 The designated representative shall submit a complete Acid Rain permit application (including a compliance plan) in accordance with the deadlines specified in 40 CFR 72.30, a complete reduced utilization plan if required under 40 CFR 72.43, and any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit. [LAC 33:III.505, 40 CFR 72.9(a)(1)]

539 Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority, and have an Acid Rain Permit. [LAC 33:III.505, 40 CFR 72.9(a)(2)]

540 Comply with the monitoring requirements as provided in 40 CFR 75. [LAC 33:III.505, 40 CFR 72.9(b)]

541 The owners and operators shall hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit and comply with the applicable Acid Rain emissions limitation for sulfur dioxide. [40 CFR 72.9(c)(1), LAC 33:III.505]

542 An allowance shall not be deducted, in order to comply with the requirements under 40 CFR 72.9(c)(1)(i), prior to the calendar year for which the allowance was allocated. [LAC 33:III.505, 40 CFR 72.9(c)(5)]

543 The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR 77. [LAC 33:III.505, 40 CFR 72.9(e)(1)]

544 The owners and operators of an affected unit that has excess emissions in any calendar year shall pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR 77, and comply with the terms of an approved offset plan, as required by 40 CFR 77. [LAC 33:III.505, 40 CFR 72.9(e)(2)]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

GRP006 Acid Rain Requirements

545 Keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority.□
1.) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24, provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative.□
2.) All emissions monitoring information, in accordance with 40 CFR 75, provided that to the extent that part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.□
3.) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program.□
4.) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program. [LAC 33:III.505, 40 CFR 72.9(f)(1)]

546 The designated representative shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 75 and Subpart I of 40 CFR 72. [LAC 33:III.505, 40 CFR 72.9(f)(2)]

547 To determine NOX emissions, install, certify, operate, and maintain in accordance with all the requirements of 40 CFR 75 a NOX-diluent continuous emission monitoring system (consisting of a NOX pollutant concentration monitor and an O2 or CO2 diluent gas monitor) with an automated data acquisition and handling system for measuring and recording NOX concentration (in ppm), O2 or CO2 concentration (in percent O2 or CO2), and NOX emission rate (in lb/mmBtu) discharged to the atmosphere, except as provided in 40 CFR 75.12 and 75.17 and subpart E of 40 CFR 75. The owner or operator shall account for total NOX emissions, both NO and NO2, either by monitoring for both NO and NO2 or by monitoring for NO only and adjusting the emissions data to account for NO2. [40 CFR 75.10(a)(2)]

548 The owner or operator shall ensure that each continuous emission monitoring system meets the equipment, installation, and performance specifications in appendix A to 40 CFR 75; and is maintained according to the quality assurance and quality control procedures in appendix B to 40 CFR 75; and shall record SO2 and NOX emissions in the appropriate units of measurement (i.e., lb/hr for SO2 and lb/MM Btu for NOX). [40 CFR 75.10(b)]

549 The owner or operator shall determine and record the heat input rate, in units of MM Btu/hr, to each affected unit for every hour or part of an hour any fuel is combusted following the procedures in appendix F to 40 CFR 75. [40 CFR 75.10(c)]

550 The owner or operator shall ensure that all continuous emission and opacity monitoring systems are in operation and monitoring unit emissions or opacity at all times that the affected unit combusts any fuel except as provided in 40 CFR 75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to 40 CFR 75.21 and appendix B of 40 CFR 75, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 40 CFR 75.20. The owner or operator shall also ensure, subject to the aforementioned exceptions, that all continuous opacity monitoring systems are in operation and monitoring opacity during the time following combustion when fans are still operating, unless fan operation is not required to be included under any other applicable Federal or State regulation, or permit. The owner or operator shall ensure that the requirements of 40 CFR 75.10(d)(1), (2), and (3), as applicable, are met. [40 CFR 75.10(d)]

551 The owner or operator shall ensure that each continuous emission monitoring system is capable of accurately measuring, recording, and reporting data, and shall not incur an exceedance of the full scale range, except as provided in sections 2.1.1.5, 2.1.2.5, and 2.1.4.3 of appendix A to 40 CFR 75. [40 CFR 75.10(f)]

552 The owner or operator shall record and the designated representative shall report the hourly, daily, quarterly, and annual information collected under the requirements of 40 CFR 75 as specified in subparts F and G of 40 CFR 75. [40 CFR 75.10(g)]

553 Comply with the applicable provisions of Subpart C-Operation and Maintenance Requirements, Subpart D-Missing Data Substitution Procedures, Subpart F-Recordkeeping Requirements, and Subpart G-Reporting Requirements. [40 CFR 75]

GRP009 Boiler 1 and Boiler 2 Common Requirements

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20040001
Permit Number: 2260-00007-V1
Air - Title V Regular Permit Major Mod

GRP009 Boiler 1 and Boiler 2 Common Requirements

554 Permittee shall burn No. 2 fuel oil with sulfur content less than or equal to 0.70% by weight in EQT 10 and EQT 11, only when natural gas becomes unavailable or economically infeasible. Permittee shall report the date and reasons of fuel change to the Office of Environmental Compliance, Enforcement Division within ten (10) days of the change. A record of the fuel oil usage and calculated emissions shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. A report listing fuel oil usage and calculated emissions from the boilers shall be submitted to the Office of Environemntal Compliance, Enforcement Division by March 1 for the preceeding calendar year. [LAC 33:III.501.C.6]

555 If the boilers are fired with fuel oil for more than 720 hours in any ninety (90) consecutive days, permittee shall test the boilers at maximum fuel oil firing rate. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Emissions from Stationary Sources, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources, and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. [LAC 33:III.501.C.6]