BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20080002
Agency Interest No. 584

Richard Cornelius
Plant Manager
Southwestern Electric Power Company
11730 Hwy 538
Mooringsport, LA 71060

RE: Part 70 Operating Permit Renewal/Modification, Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant, Southwestern Electric Power Co, Mooringsport, Caddo Parish, Louisiana

Dear Mr. Cornelius:

This is to inform you that the permit renewal/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 _____, 2014, 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 _____, 2009.

Permit No.: 0500-00007-V2

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:bsc
c: EPA Region VI

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

Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Agency Interest No.: 584
Southwestern Electric Power Co
Mooringsport, Caddo Parish, Louisiana

I. Background

The Lieberman Power Plant is an existing power plant facility that is owned by the Southwestern Electric Power Company (SWEPCO). The Lieberman Power Plant currently operates under Permit No. 0500-00007-V1, issued August 19, 2003.

This is the Part 70 operating permit renewal/modification for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by SWEPCO on February 7, 2008, requesting a Part 70 operating permit renewal.

SWEPCO is also requesting an initial Clean Air Interstate Rule (CAIR) permit and an Acid Rain permit renewal.

III. Description

The Lieberman Power Plant generates electricity using four boilers (Units #1, #2, #3, and #4). Units #1 and #2 burn natural gas while Units #3 and #4 burn both natural gas and fuel oils No. 2, No. 4, and No. 6. The operating schedule of the boilers is varied from standby to 24 hours per day. The power plant also has two fuel oil storage tanks, a gasoline tank, and an emergency diesel fire pump.

Changes in emissions are due to the removal of fuel oil as an alternative fuel for Units #1 and #2, and the addition of wastewater emissions resulting from chemically cleaning the boilers.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM_{10}	930.40	727.27**	− 203.13
SO_2	10591.00	7978.85	− 2612.15
NO_x	4996.00	3406.70*	− 1589.30
CO	540.00	439.45	− 100.55
VOC	78.36	78.43	+ 0.07

*Includes startup/shutdown emissions for Units #3 and #4.

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LAC 33:III. Chapter 51 Toxic Air Pollutants TAP's**	Emissions in Tons per year
Ammonia	2.298
Copper (and compounds)	0.190
Manganese (and compounds)	0.015
Nickel (and compounds)	0.031
Zinc (and compounds)	0.010
Barium (and compounds)	0.001
Cadmium (and compounds)	< 0.001
Lead compounds	< 0.001
Total TAP's	2.545

**Includes 44 hours per year of wastewater emissions from Boiler Units 3 or 4 (EQT3 or EQT4) resulting from chemically cleaning the boilers (2 boilers per year) in order to improve heat transfer efficiency.

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70 and the Louisiana Air Quality Regulations. Prevention of Significant Deterioration (PSD) does not apply.

The U.S. Court of Appeals for the D.C. Circuit on December 23, 2008, decided to remand to EPA without vacatur the Clean Air Interstate Rule (CAIR). CAIR remains in effect until it is replaced by a rule that remedies the flaws identified by the court in its July 11, 2008 opinion.

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.

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

Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
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Southwestern Electric Power Co
Mooringsport, Caddo Parish, Louisiana

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on **<date>**, 2009; and in the <local paper>, <local town>, on **<date>**, 2009. 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.

VII. Effects on Ambient Air

Emissions associated with the proposed facility were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

VIII. General Condition XVII Activities

None

IX. Insignificant Activities

ID No.:	Description	Citation
-	Caustic Storage Tanks	LAC 33:III.501.B.5.B.40
-	Lab Equipment and Vents	LAC 33:III.501.B.5.A.6
-	Housekeeping & Maintenance Painting	LAC 33:III.501.B.5.B.1&2
-	Transformer and Lube Oil Storage	LAC 33:III.501.B.5.A.3
-	Self-Contained Parts Washers with Naphtha	LAC 33:III.501.B.5.B.3
-	Storage and Use of Water Treatment Chemicals	LAC 33:III.501.B.5.B.8
-	Office Activities	LAC 33:III.501.B.5.B.5
-	Diesel Storage Tank	LAC 33:III.501.B.5.A.2
-	Fire Fighting Training	LAC 33:III.501.B.5.A.41

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LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Agency Interest No.: 584
Southwestern Electric Power Co
Mooringsport, Caddo Parish, Louisiana

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

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2121	2131	22	29*	51*	53*	56	59*
UNF1	Lieberman Power Station	1		1													2		1	3
01	Boiler Unit #1		3	1	1	1	3													
02	Boiler Unit #2		3	1	1	1	3													
03	Boiler Unit #3		3	1	1	1	3													
04	Boiler Unit #4		3	1	1	1	3													
05	Fuel Oil Storage Tank A							3			3	1								
06	Fuel Oil Storage Tank B							3			3	1								
07	Gasoline Storage Tank							2				1		2						
08	Fugitives										3	1	3							
DFP	Emergency Diesel Fire Pump			1	1	1	3													

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Agency Interest No.: 584
Southwestern Electric Power Co
Mooringsport, Caddo 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.

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LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Agency Interest No.: 584
Southwestern Electric Power Co
Mooringsport, Caddo Parish, Louisiana

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

ID No.:	Description	40 CFR 60 NSPS									40 CFR 63			40 CFR						
		A	K	Ka	Kb	D	Dc	GG	KKK	IIII	A	ZZZZ		64	68	72	73	75	77	78
UNF1	Lieberman Power Station	1									1									
01	Boiler Unit #1					3										3	3	3	3	3
02	Boiler Unit #2					3										3	3	3	3	3
03	Boiler Unit #3					3										1	1	1	2	2
04	Boiler Unit #4					3										1	1	1	2	2
05	Fuel Oil Storage Tank A				3															
06	Fuel Oil Storage Tank B				3															
07	Gasoline Storage Tank				3															
08	Fugitives																			
DFP	Emergency Diesel Fire Pump									1		1								

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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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

Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Agency Interest No.: 584
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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
UNF1 Facility wide	LAC 33:III.Chapter 51	EXEMPT. Electric utility steam-generating units are exempt from the requirements of this chapter.
	Chemical Accident Prevention Provision [40 CFR 68; LAC 33:III.Chapter 59]	DOES NOT APPLY. Threshold quantities are not exceeded.
01, 02, 03, and 04, Boilers	NSPS Subpart D – Standards of Performance for Fossil-Fuel-Fired Steam Generators [40 CFR 60.40]	DOES NOT APPLY. Boilers were in operation by 1969 and have not been modified.
01 and 02 Boilers	Emission Standards for Sulfur Dioxide [LAC 33:III.1503]	DOES NOT APPLY. Units emit less than 250 tons of SO_2 per year.
	Acid Rain Program [40 CFR Parts 72-78]	DOES NOT APPLY. Boilers are not listed in Table 2 of 40 CFR 73 and are not subject to the Acid Rain provisions of 40 CFR Parts 72 – 78.
05 and 06 Fuel Oil Tanks	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110(b)]	DOES NOT APPLY. Tank construction prior to July 23, 1984.
	Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Vapor pressure < 1.5 psia.
07 Gasoline Storage Tank	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110(b)]	DOES NOT APPLY. Volume < 10,000 gallons.
	Filling of Gasoline Storage Vessels [LAC 33:III.2131]	EXEMPT. Facility is in an attainment area.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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

ID No:	Requirement	Notes
Fugitives	Pumps and Compressors [LAC 33:III.2111]	DOES NOT APPLY. True vapor pressure of fuel oil is < 1.5 psia.
	Fugitive Emission Control [LAC 33:III.2121]	DOES NOT APPLY. This rule is not applicable to the electric utility industry.

The above table provides explanation for both 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.

General Information

AI ID: 584 Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Activity Number: PER20080002
Permit Number: 0500-00007-V2
Air - Title V Regular Permit Renewal

Also Known As:

ID	Name	User Group	Start Date
0500-00007	Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant	CDS Number	08-05-2002
72-0323455	Federal Tax ID	Federal Tax ID	11-21-1999
LAD000726398	Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant	Hazardous Waste Notification	08-18-1980
LA0002917	LPDES #	LPDES Permit #	05-22-2003
LAR05N078	LPDES #	LPDES Permit #	09-21-2001
WP1043	LWDPS #	LWDPS Permit #	06-25-2003
1417	ORIS Code	ORIS Code	09-16-2008
	Priority 2 Emergency Site	Priority 2 Emergency Site	07-19-2006
GD-017-6904	Site ID #	Solid Waste Facility No.	08-17-2001
40979	Central & South West Services	TEMPO Merge	08-14-2001
7876	Southwestern Electric Power Co - Lieberman Plant	TEMPO Merge	08-30-2001
71060MRCNL11730	TRI #	Toxic Release Inventory	07-09-2004

Physical Location: 11730 Hwy 538
Mooringsport, LA 71060

Main Phone: 9039275830

Mailing Address: 2400 FM 3251
Hallsville, TX 756500218

Location of Front Gate: 32° 42' 17" latitude, 93° 57' 35" longitude, Coordinate Method: Lat.\Long. - DMS, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Richard Cornelius	11730 Hwy 538 Mooringsport, LA 71060	3186732776 (WP)	Responsible Official for
David Hall	PO Box 660164 Dallas, TX 752660164		Water Billing Party for
Kimberly Hughes	PO Box 660164 Dallas, TX 752660164	2147771155 (WP)	Emission Inventory Contact for
Kimberly Hughes	PO Box 660164 Dallas, TX 752660164	KMHUGHES@AEP.	Emission Inventory Contact for
Kelly Spencer	11730 Hwy 538 Mooringsport, LA 71060	3186733852 (WP)	Air Permit Contact For
Kelly Spencer	11730 Hwy 538 Mooringsport, LA 71060	kgspencer@aep.con	Air Permit Contact For
Kelly Spencer	11730 Hwy 538 Mooringsport, LA 71060	3186733852 (WP)	Emission Inventory Contact for
Kelly Spencer	11730 Hwy 538 Mooringsport, LA 71060	kgspencer@aep.con	Emission Inventory Contact for
Thermon Willoughby	PO Box 218 Mooringsport, LA 710600218	3189967874 (WP)	Asbestos Contact for

Related Organizations:

Name	Address	Phone (Type)	Relationship
Southwestern Electric Power Co	PO Box 218 Mooringsport, LA 710610218		Operates
Southwestern Electric Power Co	PO Box 218 Mooringsport, LA 710610218		Emission Inventory Billing Party
Southwestern Electric Power Co	PO Box 218 Mooringsport, LA 710610218		Air Billing Party for

General Information

AI ID: 584 Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Activity Number: PER20080002
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Air - Title V Regular Permit Renewal

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Southwestern Electric Power Co	PO Box 218 Mooringsport, LA 710610218		Owns

NAIC Codes: 221112, Fossil Fuel Electric Power Generation

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) 219-0775 or email your changes to facupdate@la.gov.

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INVENTORIES

AI ID: 584 - Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Activity Number: PER20080002
Permit Number: 0500-00007-V2
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Southwestern Electric						
EQT 0001	01 - Boiler Unit 1		380 MM BTU/hr			8760 hr/yr
EQT 0002	02 - Boiler Unit 2		380 MM BTU/hr			8760 hr/yr
EQT 0003	03 - Boiler Unit 3		1170 MM BTU/hr			8760 hr/yr
EQT 0004	04 - Boiler Unit 4		1150 MM BTU/hr			8760 hr/yr
EQT 0005	05 - Fuel Oil Storage Tank A		145236000 gallons/yr			8760 hr/yr
EQT 0006	06 - Fuel Oil Storage Tank B		47586000 gallons/yr			8760 hr/yr
EQT 0007	07 - Gasoline Storage Tank	250 gallons	2000 gallons/yr		Gasoline	8760 hr/yr
EQT 0008	01-02 - Boiler Units 1,2 Stack			380 MM BTU/hr		8760 hr/yr
EQT 0009	DFP - Emergency Diesel Fire Pump		.617 MM BTU/hr	.617 MM BTU/hr		500 hr/yr
FUG 0001	08 - Fugitives					8760 hr/yr

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Southwestern Electric							
EQT 0001	01 - Boiler Unit 1	35.5	202545		11	125	350
EQT 0002	02 - Boiler Unit 2	35.5	202545		11	125	350
EQT 0003	03 - Boiler Unit 3	48.9	354912		12.4	140	310
EQT 0004	04 - Boiler Unit 4	48.9	354912		12.4	140	310
EQT 0005	05 - Fuel Oil Storage Tank A					29	
EQT 0006	06 - Fuel Oil Storage Tank B					29	
EQT 0007	07 - Gasoline Storage Tank					10	
EQT 0008	01-02 - Boiler Units 1,2 Stack	35.5	202545		11	125	350
EQT 0009	DFP - Emergency Diesel Fire Pump	133	698	.33		7	1076
SCN 0001	Unit 3 FO - Boiler Unit 3 Fuel Oil Fired	48.9	354912		12.4	140	310
SCN 0002	Unit 4 FO - Boiler Unit 4 Fuel Oil Fired	48.9	354912		12.4	140	310
SCN 0005	Unit 3 NG - Boiler Unit 3 Natural Gas Fired	48.9	354912		12.4	140	310

Relationships:

ID	Description	Relationship	ID	Description
EQT 0008	01-02 - Boiler Units 1,2 Stack	Controls emissions from	EQT 0002	02 - Boiler Unit 2
EQT 0008	01-02 - Boiler Units 1,2 Stack	Controls emissions from	EQT 0001	01 - Boiler Unit 1

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INVENTORIES

AI ID: 584 - Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
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Air - Title V Regular Permit Renewal

Subject Item Groups:

ID	Group Type	Group Description
SCN 0001	Alternate Operating Scenario	Unit 3 FO - Boiler Unit 3 Fuel Oil Fired
SCN 0002	Alternate Operating Scenario	Unit 4 FO - Boiler Unit 4 Fuel Oil Fired
SCN 0003	Alternate Operating Scenario	Unit 3 SS - Boiler Unit 3 Startup/Shutdown
SCN 0004	Alternate Operating Scenario	Unit 4 SS - Boiler Unit 4 Startup/Shutdown
SCN 0005	Alternate Operating Scenario	Unit 3 NG - Boiler Unit 3 Natural Gas Fired
SCN 0006	Alternate Operating Scenario	Unit 4 NG - Boiler Unit 3 Natural Gas Fired
SCN 0007	Alternate Operating Scenario	Unit 3 Cleaning Emissions - Boiler Unit 3
SCN 0008	Alternate Operating Scenario	Unit 4 Cleaning Emissions - Boiler Unit 4
UNF 0001	Unit or Facility Wide	Entire Facility - Southwestern Electric

Group Membership:

ID	Description	Member of Groups
EQT 0003	03 - Boiler Unit 3	SCN0000000001, SCN0000000003, SCN0000000005, SCN0000000007
EQT 0004	04 - Boiler Unit 4	SCN0000000002, SCN0000000004, SCN0000000006, SCN0000000008

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
1410	1410 B) Electric Power Gen. (0.7 percent S or Less in Fuel) (Rated Capacity)	220	MW
1420	1420 C) Electric Power Gen. (Natural Gas Fired) (Rated Capacity)	50	MW

SIC Codes:

4911	Electric services	AI 584

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 584 - Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Activity Number: PER20080002
Permit Number: 0500-00007-V2
Air - Title V Regular Permit Renewal

	CO			NOx			PM10			SO2			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
Southwestern Electric															
EQT 0001 01	8.74	8.74	38.26	36.40	36.40	159.43	2.77	2.77	12.12	0.22	0.22	0.96	2.05	2.05	8.97
EQT 0002 02	8.74	8.74	38.26	36.40	36.40	159.43	2.77	2.77	12.12	0.22	0.22	0.96	2.05	2.05	8.97
EQT 0003 03	41.79	41.79	183.02	411.61	411.61	1802.83	80.67	80.67	353.34	918.45	918.45	4022.81	6.35	6.35	27.82
EQT 0004 04	41.07	41.07	179.89	288.19	288.19	1262.27	79.29	79.29	347.30	902.75	902.75	3954.05	6.24	6.24	27.34
EQT 0005 05													0.19	0.19	0.84
EQT 0006 06													0.08	0.08	0.36
EQT 0007 07													0.06	0.06	0.26
EQT 0009 OFP	0.08	0.08	0.02	1.75	1.75	0.44	0.04	0.04	0.01	0.27	0.27	0.07	0.38	0.38	0.09
FUG 0001 08													0.86	0.86	3.78
SCN 0001 Unit 3 FO	**41.79**	**41.79**	**183.02**	**267.43**	**267.43**	**1171.34**	**80.67**	**80.67**	**353.34**	**918.45**	**918.45**	**4022.81**	**6.35**	**6.35**	**27.82**
SCN 0002 Unit 4 FO	**41.07**	**41.07**	**179.89**	**262.86**	**262.86**	**1151.31**	**79.29**	**79.29**	**347.30**	**902.75**	**902.75**	**3954.05**	**6.24**	**6.24**	**27.34**
SCN 0003 Unit 3 SS				**411.61**	**411.61**	**12.1**									
SCN 0004 Unit 4 SS				**288.19**	**288.19**	**10.2**									
SCN 0005 Unit 3 NG	**26.90**	**26.90**	**117.81**	**411.61**	**411.61**	**1802.83**	**8.52**	**8.52**	**37.31**	**0.67**	**0.67**	**2.95**	**6.31**	**6.31**	**27.63**
SCN 0006 Unit 4 NG	**26.44**	**26.44**	**115.79**	**288.19**	**288.19**	**1262.27**	**8.37**	**8.37**	**36.67**	**0.66**	**0.66**	**2.89**	**6.20**	**6.20**	**27.16**
SCN 0007 Unit 3 Cleaning E							**96.84**	**96.84**	**1.19**						
SCN 0008 Unit 4 Cleaning E							**96.84**	**96.84**	**1.19**						

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

Emission rates Notes:

SCN 0001	PM10	Avg lb/hr	when using Fuel Oil.	Which Months: All Year
SCN 0001	PM10	Max lb/hr	when using Fuel Oil.	Which Months: All Year
SCN 0001	PM10	Tons/Year	when using Fuel Oil.	Which Months: All Year
SCN 0001	SO2	Avg lb/hr	when using Fuel Oil.	Which Months: All Year
SCN 0001	SO2	Max lb/hr	when using Fuel Oil.	Which Months: All Year
SCN 0001	SO2	Tons/Year	when using Fuel Oil.	Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 584 - Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Activity Number: PER20080002
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Air - Title V Regular Permit Renewal

SCN 0001	NOx	Avg lb/hr	when using Fuel Oil.	Which Months: All Year
SCN 0001	NOx	Max lb/hr	when using Fuel Oil.	Which Months: All Year
SCN 0001	NOx	Tons/Year	when using Fuel Oil.	Which Months: All Year
SCN 0001	CO	Avg lb/hr	when using Fuel Oil.	Which Months. All Year
SCN 0001	CO	Max lb/hr	when using Fuel Oil	Which Months: All Year
SCN 0001	CO	Tons/Year	when using Fuel Oil	Which Months: All Year
SCN 0001	VOC	Avg lb/hr	when using Fuel Oil.	Which Months: All Year
SCN 0001	VOC	Max lb/hr	when using Fuel Oil.	Which Months: All Year
SCN 0001	VOC	Tons/Year	when using Fuel Oil.	Which Months: All Year
SCN 0002	PM10	Avg lb/hr	when using Fuel Oil.	Which Months. All Year
SCN 0002	PM10	Max lb/hr	when using Fuel Oil.	Which Months: All Year
SCN 0002	PM10	Tons/Year	when using Fuel Oil.	Which Months: All Year
SCN 0002	SO2	Avg lb/hr	when using Fuel Oil.	Which Months: All Year
SCN 0002	SO2	Max lb/hr	when using Fuel Oil.	Which Months: All Year
SCN 0002	SO2	Tons/Year	when using Fuel Oil.	Which Months: All Year
SCN 0002	NOx	Avg lb/hr	when using Fuel Oil.	Which Months: All Year
SCN 0002	NOx	Max lb/hr	when using Fuel Oil.	Which Months: All Year
SCN 0002	NOx	Tons/Year	when using Fuel Oil	Which Months: All Year
SCN 0002	CO	Avg lb/hr	when using Fuel Oil	Which Months: All Year
SCN 0002	CO	Max lb/hr	when using Fuel Oil.	Which Months: All Year
SCN 0002	CO	Tons/Year	when using Fuel Oil	Which Months: All Year
SCN 0002	VOC	Avg lb/hr	when using Fuel Oil.	Which Months: All Year
SCN 0002	VOC	Max lb/hr	when using Fuel Oil.	Which Months: All Year
SCN 0002	VOC	Tons/Year	when using Fuel Oil	Which Months: All Year
SCN 0003	NOx	Avg lb/hr	includes emissions during startup/shutdown of Boiler Unit 3	Which Months: All Year
SCN 0003	NOx	Max lb/hr	includes emissions during startup/shutdown of Boiler Unit 3.	Which Months: All Year
SCN 0003	NOx	Tons/Year	includes emissions during startup/shutdown of Boiler Unit 3.	Emission Rates are included in Permitted Totals. Which Months: All Year
SCN 0004	NOx	Avg lb/hr	includes emissions during startup/shutdown of Boiler Unit 4.	Which Months: All Year
SCN 0004	NOx	Max lb/hr	includes emissions during startup/shutdown of Boiler Unit 4.	Which Months: All Year
SCN 0004	NOx	Tons/Year	includes emissions during startup/shutdown of Boiler Unit 4.	Emission Rates are included in Permitted Totals. Which Months: All Year
SCN 0005	PM10	Avg lb/hr	when using Natural Gas	Which Months: All Year
SCN 0005	PM10	Max lb/hr	when using Natural Gas	Which Months: All Year
SCN 0005	PM10	Tons/Year	when using Natural Gas	Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 584 - Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Activity Number: PER20080002
Permit Number: 0500-00007-V2
Air - Title V Regular Permit Renewal

SCN 0005	SO2	Avg lb/hr	when using Natural Gas	Which Months: All Year
SCN 0005	SO2	Max lb/hr	when using Natural Gas	Which Months: All Year
SCN 0005	SO2	Tons/Year	when using Natural Gas	Which Months: All Year
SCN 0005	NOx	Avg lb/hr	when using Natural Gas	Which Months: All Year
SCN 0005	NOx	Max lb/hr	when using Natural Gas	Which Months: All Year
SCN 0005	NOx	Tons/Year	when using Natural Gas	Which Months: All Year
SCN 0005	CO	Avg lb/hr	when using Natural Gas	Which Months: All Year
SCN 0005	CO	Max lb/hr	when using Natural Gas	Which Months: All Year
SCN 0005	CO	Tons/Year	when using Natural Gas	Which Months: All Year
SCN 0005	VOC	Avg lb/hr	when using Natural Gas	Which Months: All Year
SCN 0005	VOC	Max lb/hr	when using Natural Gas	Which Months: All Year
SCN 0005	VOC	Tons/Year	when using Natural Gas	Which Months: All Year
SCN 0007	PM10	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	PM10	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	PM10	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	PM10	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	PM10	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	PM10	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 584 - Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Activity Number: PER20080002
Permit Number: 0500-00007-V2
Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
SCN 0007 Unit 3 Cleaning Emissions	Ammonia	104.445	104.445	1.149
	Barium (and compounds)	0.024	0.024	<0.001
	Cadmium (and compounds)	0.012	0.012	<0.001
	Copper (and compounds)	8.632	8.632	0.095
	Lead compounds	0.01	0.01	<0.01
	Manganese (and compounds)	0.703	0.703	0.008
	Nickel (and compounds)	1.430	1.430	0.016
	Zinc (and compounds)	0.436	0.436	0.005
SCN 0008 Unit 4 Cleaning Emissions	Ammonia	104.445	104.445	1.149
	Barium (and compounds)	0.024	0.024	<0.001
	Cadmium (and compounds)	0.012	0.012	<0.001
	Copper (and compounds)	8.632	8.632	0.095
	Lead compounds	0.01	0.01	<0.01
	Manganese (and compounds)	0.703	0.703	0.008
	Nickel (and compounds)	1.430	1.430	0.016
	Zinc (and compounds)	0.436	0.436	0.005

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

Emission Rates Notes:

SCN 0007	Ammonia	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Ammonia	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Ammonia	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Barium (and compounds)	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Barium (and compounds)	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Barium (and compounds)	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Cadmium (and compounds)	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Cadmium (and compounds)	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Cadmium (and compounds)	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Copper (and compounds)	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Copper (and compounds)	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Copper (and compounds)	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Lead compounds	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Lead compounds	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Lead compounds	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Manganese (and compounds)	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Manganese (and compounds)	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 584 - Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Activity Number: PER20080002
Permit Number: 0500-00007-V2
Air - Title V Regular Permit Renewal

SCN 0007	Manganese (and compounds)	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Nickel (and compounds)	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Nickel (and compounds)	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Nickel (and compounds)	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Zinc (and compounds)	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Zinc (and compounds)	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0007	Zinc (and compounds)	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Ammonia	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Ammonia	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Ammonia	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Barium (and compounds)	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Barium (and compounds)	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Barium (and compounds)	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Cadmium (and compounds)	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Cadmium (and compounds)	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Cadmium (and compounds)	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Copper (and compounds)	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Copper (and compounds)	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Copper (and compounds)	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Lead compounds	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Lead compounds	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Lead compounds	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Manganese (and compounds)	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Manganese (and compounds)	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Manganese (and compounds)	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Nickel (and compounds)	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Nickel (and compounds)	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Nickel (and compounds)	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Zinc (and compounds)	Avg lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Zinc (and compounds)	Max lb/hr	when evaporating boiler cleaning waste.	Which Months: All Year
SCN 0008	Zinc (and compounds)	Tons/Year	when evaporating boiler cleaning waste.	Which Months: All Year

SPECIFIC REQUIREMENTS

AI ID: 584 - Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Activity Number: PER20080002
Permit Number: 0500-00007-V2
Air - Title V Regular Permit Renewal

EQT 0001 01 - Boiler Unit 1

1 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified

EQT 0002 02 - Boiler Unit 2

2 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified

EQT 0003 03 - Boiler Unit 3

3 [40 CFR 75.62(a)] 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. [40 CFR 75.62(a)]
Which Months: All Year Statistical Basis: None specified

4 [40 CFR 75.62(a)] Nitrogen oxides 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. [40 CFR 75.62(a)]
Which Months: All Year Statistical Basis: None specified

5 [40 CFR 75.62(a)] Opacity monitored by continuous opacity monitor (COM) continuously. Ensure that the measurement system is certified according to Performance Specification 1 of 40 CFR 60 Appendix B. [40 CFR 75.62(a)]
Which Months: All Year Statistical Basis: None specified

6 [40 CFR 75.] Comply with the recordkeeping provisions in 40 CFR 75 - Continuous Emission Monitoring.

EQT 0004 04 - Boiler Unit 4

7 [40 CFR 75.62(a)] Opacity monitored by continuous opacity monitor (COM) continuously. Ensure that the measurement system is certified according to Performance Specification 1 of 40 CFR 60 Appendix B. [40 CFR 75.62(a)]
Which Months: All Year Statistical Basis: None specified

8 [40 CFR 75.62(a)] Nitrogen oxides 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. [40 CFR 75.62(a)]
Which Months: All Year Statistical Basis: None specified

9 [40 CFR 75.62(a)] 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. [40 CFR 75.62(a)]
Which Months: All Year Statistical Basis: None specified

10 [40 CFR 75.] Comply with the recordkeeping provisions in 40 CFR 75 - Continuous Emission Monitoring.

EQT 0008 01-02 - Boiler Units 1,2 Common Stack

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SPECIFIC REQUIREMENTS

AI ID: 584 - Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
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Air - Title V Regular Permit Renewal

EQT 0008 01-02 - Boiler Units 1,2 Common Stack

11	[LAC 33:III.1101.B]	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 (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified
12	[LAC 33:III.1311.C]	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). Which Months: All Year Statistical Basis: Six-minute average

EQT 0009 DFP - Emergency Diesel Fire Pump

13	[40 CFR 60.4205(c)]	Particulate matter (10 microns or less) <= 0.60 g/BHP-hr (0.80 g/KW-hr). Subpart IIII. [40 CFR 60.4205(c)] Which Months: All Year Statistical Basis: None specified
14	[40 CFR 60.4205(c)]	Carbon monoxide <= 3.7 g/BHP-hr (5.0 g/KW-hr). Subpart IIII. [40 CFR 60.4205(c)] Which Months: All Year Statistical Basis: None specified
15	[40 CFR 60.4205(c)]	Non-methane hydrocarbons plus Nitrogen oxides <= 7.8 g/BHP-hr (10.5 g/KW-hr). Subpart IIII. [40 CFR 60.4205(c)] Which Months: All Year Statistical Basis: None specified
16	[40 CFR 60.4207(a)]	Beginning October 1, 2007, use diesel fuel that meets the requirements of 40 CFR 80.510(a). Subpart IIII. [40 CFR 60.4207(a)]
17	[40 CFR 60.4207(b)]	Beginning October 1, 2010, use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. Subpart IIII. [40 CFR 60.4207(b)]
18	[40 CFR 60.4209(a)]	Operating time monitored by hour/time monitor continuously during operation. Install a non-resettable hour meter prior to startup of the engine. Subpart IIII. [40 CFR 60.4209(a)] Which Months: All Year Statistical Basis: None specified
19	[40 CFR 60.4211(a)]	Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, only change those settings that are permitted by the manufacturer. Also meet the requirements of 40 CFR 89, 94 and/or 1068, as applicable. Subpart IIII. [40 CFR 60.4211(a)]
20	[40 CFR 60.4211(c)]	Ensure engine is certified to the emission standards in 40 CFR 60.4204(b), or 40 CFR 60.4025(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. Install and configure according to the manufacturer's specifications. Subpart IIII. [40 CFR 60.4211(c)]
21	[40 CFR 60.4212]	Conduct performance tests according to 40 CFR 60.4212(a) through (d). Subpart IIII.
22	[40 CFR 63.6590(c)]	Meet the requirements of 40 CFR 60 Subpart IIII for compression ignition engines or 40 CFR 60 Subpart JJJJ for spark ignition engines. Subpart ZZZZ. [40 CFR 63.6590(c)]
23	[LAC 33:III.1101.B]	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. Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 584 - Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Activity Number: PER20080002
Permit Number: 0500-00007-V2
Air - Title V Regular Permit Renewal

EQT 0009 DFP - Emergency Diesel Fire Pump

24	[LAC 33:III.1311.C]	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. Which Months: All Year Statistical Basis: Six-minute average
25	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input. Which Months: All Year Statistical Basis: None specified

SCN 0001 Unit 3 FO - Boiler Unit 3 Fuel Oil Fired

Group Members: EQT 0003

26	[LAC 33:III.1101.B]	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. Which Months: All Year Statistical Basis: None specified
27	[LAC 33:III.1311.C]	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. Which Months: All Year Statistical Basis: Six-minute average
28	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input. Which Months: All Year Statistical Basis: None specified
29	[LAC 33:III.1513.C]	Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
30	[LAC 33:III.501.C.6]	Sulfur content <= 0.7 percent for Fuel oils No 2, No. 4, No. 6, or any combination thereof.
31	[LAC 33:III.507.H.1.a]	Submit notification: Due at least 30 days prior to any LDEQ required stack test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the stack testing.
32	[LAC 33:III.507.H.1.a]	Submit report: Due within 60 days after stack test. Submit stack test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO2 / ton 100% H2SO4, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H2SO4 was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
33	[LAC 33:III.507.H.1.a]	Conduct a stack test for Carbon Monoxide and PM10 if fuel oil is used or projected to be used for 60 consecutive days in a year. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, 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.

SPECIFIC REQUIREMENTS

AI ID: 584 - Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Activity Number: PER20080002
Permit Number: 0500-00007-V2
Air - Title V Regular Permit Renewal

SCN 0002 Unit 4 FO - Boiler Unit 4 Fuel Oil Fired

Group Members: EQT 0004

34	[LAC 33:III.1101.B]	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. Which Months: All Year Statistical Basis: None specified
35	[LAC 33:III.1311.C]	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. Which Months: All Year Statistical Basis: Six-minute average
36	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input. Which Months: All Year Statistical Basis: None specified
37	[LAC 33:III.1513.C]	Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
38	[LAC 33:III.501.C.6]	Sulfur content <= 0.7 percent for Fuel oils No. 2, No. 4, No. 6, or any combination thereof.
39	[LAC 33:III.507.H.1.a]	Submit report: Due within 60 days after stack test. Submit stack test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO2 / ton 100% H2SO4, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H2SO4 was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
40	[LAC 33:III.507.H.1.a]	Submit notification: Due at least 30 days prior to any LDEQ required stack test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the stack testing.
41	[LAC 33:III.507.H.1.a]	Conduct a stack test for Carbon Monoxide and PM10 if fuel oil is used or projected to be used for 60 consecutive days in a year: The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, 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.

SCN 0005 Unit 3 NG - Boiler Unit 3 Natural Gas Fired

Group Members: EQT 0003

42	[LAC 33:III.1101.B]	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 (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 584 - Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Activity Number: PER20080002
Permit Number: 0500-00007-V2
Air - Title V Regular Permit Renewal

SCN 0005 Unit 3 NG - Boiler Unit 3 Natural Gas Fired

43	[LAC 33:III.1311.C]	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). Which Months: All Year Statistical Basis: Six-minute average
44	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified
45	[LAC 33:III.507.H.1.a]	Conduct a stack test for Carbon Monoxide and PM10: Due within five years, plus or minus 6 months, of when the previous stack test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, 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.
46	[LAC 33:III.507.H.1.a]	Submit report: Due within 60 days after stack test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO2 / ton 100% H2SO4, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H2SO4 was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
47	[LAC 33:III.507.H.1.a]	Submit notification: Due at least 30 days prior to any LDEQ required stack test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the stack testing.

SCN 0006 Unit 4 NG - Boiler Unit 3 Natural Gas Fired

Group Members: EQT 0004

48	[LAC 33:III.1101.B]	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 (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified
49	[LAC 33:III.1311.C]	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). Which Months: All Year Statistical Basis: Six-minute average
50	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 584 - Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Activity Number: PER20080002
Permit Number: 0500-00007-V2
Air - Title V Regular Permit Renewal

SCN 0006 Unit 4 NG - Boiler Unit 3 Natural Gas Fired

51	[LAC 33:III.507.H.1.a]	Submit report: Due within 60 days after stack test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO2 / ton 100% H2SO4, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H2SO4 was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
52	[LAC 33:III.507.H.1.a]	Submit notification: Due at least 30 days prior to any LDEQ required stack test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the stack testing.
53	[LAC 33:III.507.H.1.a]	Conduct a stack test for Carbon Monoxide and PM10: Due within five years, plus or minus 6 months, of when the previous stack test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, 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.

UNF 0001 Entire Facility - Lieberman Power Plant

54	[40 CFR 60.]	All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
55	[40 CFR 61.145(b)(1)]	Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
56	[40 CFR 61.148]	Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
57	[40 CFR 70.5(a)(1)(iii)]	Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
58	[40 CFR 70.6(a)(3)(iii)(A)]	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)]
59	[40 CFR 70.6(a)(3)(iii)(B)]	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. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]

SPECIFIC REQUIREMENTS

AI ID: 584 - Southwestern Electric Power Co (SWEPCO) - Lieberman Power Plant
Activity Number: PER20080002
Permit Number: 0500-00007-V2
Air - Title V Regular Permit Renewal

UNF 0001 Entire Facility - Lieberman Power Plant

60	[40 CFR 70.6(c)(5)(iv)]	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)]
61	[LAC 33:III.1103]	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.
62	[LAC 33:III.1303.B]	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.
63	[LAC 33:III.2113.A]	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.
64	[LAC 33:III.219]	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.
65	[LAC 33:III.507.G.5]	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.
66	[LAC 33:III.5151.F.1.f]	An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
67	[LAC 33:III.535]	Permittee shall comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]
68	[LAC 33:III.5609.A.1.b]	Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
69	[LAC 33:III.5609.A.2.b]	Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
70	[LAC 33:III.5609.A.3.b]	Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
71	[LAC 33:III.5609.A]	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.
72	[LAC 33:III.919.D]	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. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.