

# ADEQ OPERATING AIR PERMIT

Pursuant to the Regulations of the Arkansas Operating Air Permit Program, Regulation 26:

Permit No. : 1717-AOP-R2

Renewal #1

IS ISSUED TO:

Entergy Arkansas, Inc. - Lake Catherine Plant

141 West County Line Road

Malvern, AR 72104

Hot Spring County

AFIN: 30-00011

THIS PERMIT AUTHORIZES THE ABOVE REFERENCED PERMITTEE TO INSTALL, OPERATE, AND MAINTAIN THE EQUIPMENT AND EMISSION UNITS DESCRIBED IN THE PERMIT APPLICATION AND ON THE FOLLOWING PAGES. THIS PERMIT IS VALID BETWEEN:

January 5, 2005

AND

January 4, 2010

THE PERMITTEE IS SUBJECT TO ALL LIMITS AND CONDITIONS CONTAINED HEREIN.

Signed:

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Michael Bonds  
Chief, Air Division

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Date Amended

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#### List of Acronyms and Abbreviations

A.C.A.	Arkansas Code Annotated
AFIN	ADEQ Facility Identification Number
CFR	Code of Federal Regulations
CO	Carbon Monoxide
HAP	Hazardous Air Pollutant
lb/hr	Pound Per Hour
MVAC	Motor Vehicle Air Conditioner
No.	Number
NO <sub>x</sub>	Nitrogen Oxide
PM	Particulate Matter
PM <sub>10</sub>	Particulate Matter Smaller Than Ten Microns
SNAP	Significant New Alternatives Program (SNAP)
SO <sub>2</sub>	Sulfur Dioxide
SSM	Startup, Shutdown, and Malfunction Plan
Tpy	Tons Per Year
UTM	Universal Transverse Mercator
VOC	Volatile Organic Compound

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**SECTION I: FACILITY INFORMATION**

PERMITTEE: Entergy Arkansas, Inc. - Lake Catherine Plant

AFIN: 30-00011

PERMIT NUMBER: 1717-AOP-R2

FACILITY ADDRESS: 141 West County Line Road  
Malvern, AR 72104

MAILING ADDRESS 425 West Capitol Ave, P.O. Box 551  
Little Rock, AR 72203

COUNTY: Hot Spring

CONTACT POSITION: Tracy Johnson

TELEPHONE NUMBER: (501) 377-40323

REVIEWING ENGINEER: Wesley Crouch, P.E.

UTM North South (Y): Zone 15: 3810.0

UTM East West (X): Zone 15: 508.8

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## **SECTION II: INTRODUCTION**

### **Summary of Permit Activity**

Entergy Arkansas, Inc. – Lake Catherine Plant is a natural gas fired power generating station located at 141 West County Line Road in Malvern, Arkansas 72104. This is the first renewal of the Title V permit issued to this facility. There are no changes being made in the physical operation of the facility, but the CO emissions have been revised to reflect the use of AP-42 emission factors. Entergy believes these values to be more representative than the previous method used. Also, the particulate matter emission rates now account for both condensable and filterable fractions of particulate emissions. Also, hazardous air pollutants are listed in the permit for the first time.

### **Process Description**

Lake Catherine is a four-unit electric generating station which generates electric energy for sale. Electricity is produced by using natural gas as the primary fuel and No. 6 fuel oil as the secondary fuel in all boilers to produce steam. The steam is used to drive turbines which turn the electric generators. Currently all fuel is natural gas.

Unit 1 and 2 boilers exhaust out of one common stack (SN-01) and Unit 3 and 4 boilers exhaust out of stack (SN-02) and stack (SN-03), respectively. The No. 6 fuel oil is stored in six storage tanks on site. These tanks are designated as Fuel Oil Day Tank #1 (SN-04), Fuel Oil Day Tank #2 (SN-05), Fuel Oil Tank #3 (SN-06), Fuel Oil Tank #4 (SN-07), Fuel Oil Tank #5 (SN-08), and Fuel Oil Tank #6 (SN-09). The tanks and their connecting lines do not currently contain oil. Fuel Oil Day Tank #1 (SN-04) is occasionally used for temporary waste water storage.

Other emissions-producing activities are necessary to maintain the power plant equipment and systems. These activities include, but are not limited to, painting, sandblasting, welding, boiler cleaning, and the use of temporary combustion devices to drive equipment during outages. Many of these maintenance activities are considered to be insignificant.

Permit #1717-AOP-R0 was the first air permit for the Lake Catherine Plant. These units were in existence prior to 1972, before the Air Code and SIP were promulgated, and have not undergone any modification. The units are considered to be “grandfathered”. The emission limits listed in the emission summary table are less than the potential to emit. The Lake Catherine facility is taking emission limits pursuant to Regulation 18 for fee purposes only. These limits are not being established pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51, Subpart I or 40 CFR 51.166. The facility must meet the requirements under the Acid Rain Program and emissions from the facility must not violate the National Ambient Air Quality Standards (NAAQS).

### **Regulations**

The following table contains the regulations applicable to this permit.

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Regulations
Arkansas Air Pollution Control Code, Regulation 18, effective February 15, 1999
Regulations of the Arkansas Plan of Implementation for Air Pollution Control, Regulation 19, effective February 15, 1999
Regulations of the Arkansas Operating Air Permit Program, Regulation 26, effective September 26, 2002
40 CFR Part 75, Acid Rain Program

The following table is a summary of emissions from the facility. This table, in itself, is not an enforceable condition of the permit.

### Emission Summary

EMISSION SUMMARY				
Source Number	Description	Pollutant	Emission Rates	
			lb/hr	tpy
Total Allowable Emissions		PM	771.9	436.6
		PM <sub>10</sub>	571.3	324.1
		SO <sub>2</sub>	8695.1	1927.2
		VOC	58.3	205.0
		CO	407.0	1558.9
		NO <sub>x</sub>	4786.0	20963.0
HAPs*		Acenaphthene*	0.03	0.03
		Fluoranthene*	0.03	0.03
		Fluorene*	0.03	0.03
		Formaldehyde*	1.76	7.42
		Hexane*	14.5	63.3
		Hydrogen Chloride	18.3	79.7
		Phenanthrene*	0.03	0.03
		POM*	0.07	0.28
		2,3,7,8-TCD*	0.03	0.03
		Toluene*	0.33	1.4
		Antimony**	0.28	1.19
		Arsenic**	0.08	0.31
	Beryllium**	0.04	0.03	

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		Cadmium**	0.04	0.1
		Cobalt**	0.32	1.36
		Manganese**	0.17	0.68
		Mercury**	0.03	0.04
		Nickel**	4.32	19.02
		Selenium**	0.05	0.17
01 (C1)	Unit 1 – Natural Gas (100% Consumption)	PM	5.3	23.0
		PM <sub>10</sub>	4.0	17.3
		SO <sub>2</sub>	0.5	2.2
		VOC	3.8	16.7
		CO	58.0	255.0
		NO <sub>x</sub>	381.0	1669.0
	Unit 1 – No. 6 Fuel Oil (95% Natural Gas and 5% No. 6 Fuel Oil Consumption)	PM	62.0	35.6
		PM <sub>10</sub>	45.2	26.5
		SO <sub>2</sub>	689.0	153.0
		VOC	4.6	16.8
		CO	58.0	246.2
		NO <sub>x</sub>	381.0	1630.5
	Unit 2 – Natural Gas (100% Consumption)	PM	5.3	23.0
		PM <sub>10</sub>	4.0	17.3
		SO <sub>2</sub>	0.5	2.2
		VOC	3.8	16.7
		CO	58.0	255.0
		NO <sub>x</sub>	381.0	1669.0
	Unit 2 – No. 6 Fuel Oil (95% Natural Gas and 5% No. 6 Fuel Oil Consumption)	PM	62.0	35.6
		PM <sub>10</sub>	45.2	26.5
SO <sub>2</sub>		689.0	153.0	
VOC		4.6	16.8	
CO		58.0	246.2	
NO <sub>x</sub>		381.0	1630.5	
01	Unit 1 & Unit 2 (HAPs)	Acenaphthene*	0.01	0.01
		Fluoranthene*	0.01	0.01
		Fluorene*	0.01	0.01
		Formaldehyde*	0.3	1.3
		Hexane*	2.5	11.0
		Hydrogen Chloride	3.2	13.7
		Phenanthrene*	0.01	0.01
		POM*	0.01	0.05
		2,3,7,8-TCD*	0.01	0.01
		Toluene*	0.06	0.24
		Antimony**	0.05	0.21
		Arsenic**	0.02	0.05
		Beryllium**	0.01	0.01
		Cadmium**	0.01	0.02
Cobalt**	0.06	0.24		

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		Manganese**	0.03	0.12	
		Mercury**	0.01	0.01	
		Nickel**	0.75	3.3	
		Selenium**	0.01	0.03	
02 (C3)	Unit 3 – Natural Gas (100% Consumption)	PM	8.7	38.1	
		PM <sub>10</sub>	6.5	29.0	
		SO <sub>2</sub>	1.0	4.4	
		VOC	6.3	28.0	
		CO	96.0	422.0	
			NO <sub>x</sub>	631.0	2764.0
	Unit 3 – No. 6 Fuel Oil (95% Natural Gas and 5% No. 6 Fuel Oil Consumption)	PM	105.4	59.3	
		PM <sub>10</sub>	78.4	44.2	
		SO <sub>2</sub>	1194.1	265.7	
		VOC	7.9	27.9	
CO		96.0	407.8		
		NO <sub>x</sub>	631.0	2704.0	
02	Unit 3 (HAPs)	Acenaphthene*	0.01	0.01	
		Fluoranthene*	0.01	0.01	
		Fluorene*	0.01	0.01	
		Formaldehyde*	0.26	1.1	
		Hexane*	2.1	9.1	
		Hydrogen Chloride	2.7	11.9	
		Phenanthrene*	0.01	0.01	
		POM*	0.01	0.04	
		2,3,7,8-TCD*	0.01	0.01	
		Toluene*	0.05	0.21	
		Antimony**	0.04	0.18	
		Arsenic**	0.01	0.05	
		Beryllium**	0.02	0.01	
		Cadmium**	0.01	0.02	
		Cobalt**	0.05	0.2	
		Manganese**	0.03	0.1	
		Mercury**	0.01	0.01	
Nickel**	0.65	2.82			
		Selenium**	0.01	0.03	
03 (C4)	Unit 4 – Natural Gas (100% Consumption)	PM	45.0	197.1	
		PM <sub>10</sub>	33.4	146.0	
		SO <sub>2</sub>	3.5	15.4	
		VOC	32.2	141.0	
		CO	140.4	615.0	
			NO <sub>x</sub>	3393.0	14861.0
	Unit 4 – No. 6 Fuel Oil (95% Natural Gas and 5% No. 6 Fuel Oil Consumption)	PM	542.5	306.1	
		PM <sub>10</sub>	402.5	226.9	
		SO <sub>2</sub>	6123.0	1355.5	
		VOC	40.6	142.9	

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		CO	195.0	626.9
		NO <sub>x</sub>	3393.0	14391.6
03	Unit 4 (HAPs)	Acenaphthene*	0.01	0.01
		Fluoranthene*	0.01	0.01
		Fluorene*	0.01	0.01
		Formaldehyde*	1.2	5.02
		Hexane*	9.9	43.2
		Hydrogen Chloride	12.4	54.1
		Phenanthrene*	0.01	0.01
		POM*	0.05	0.19
		2,3,7,8-TCD*	0.01	0.01
		Toluene*	0.22	0.95
		Antimony**	0.19	0.80
		Arsenic**	0.05	0.21
		Beryllium**	0.01	0.01
		Cadmium**	0.02	0.06
		Cobalt**	0.21	0.92
		Manganese**	0.11	0.46
Mercury**	0.01	0.02		
Nickel**	2.92	12.9		
Selenium**	0.03	0.11		
04	Fuel Oil Day Tank #1	VOC	0.1	0.1
05	Fuel Oil Day Tank #2	VOC	0.1	0.1
06	Fuel Oil Tank #3	VOC	0.1	0.1
07	Fuel Oil Tank #4	VOC	0.1	0.1
08	Fuel Oil Tank #5	VOC	0.1	0.1
09	Fuel Oil Tank #6	VOC	0.1	0.1

\*HAPs included in the VOC totals. Other HAPs are not included in any other totals unless specifically stated.

\*\* HAPs included in the PM/PM<sub>10</sub> totals. Other HAPs are not included in any other totals unless specifically stated.

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### **SECTION III: PERMIT HISTORY**

1717-AOP-R0 was the first operating air permit issued to Entergy- Arkansas, Inc. Lake Catherine. No physical changes in the method of operation at the facility occurred prompting this permit issuance.

The Lake Catherine facility had never been issued an air permit. These units were in existence prior to 1972, before the Air Code and SIP were promulgated, and have not undergone any modification. The units are considered to be “grandfathered.” The emission limits listed in the emission summary table are less than the potential to emit. The Lake Catherine facility is taking emission limits pursuant to Regulation 18 for fee purposes only. These limits are not being established pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51, Subpart I or 40 CFR 51.166. These limits may be changed by the request of a permit modification if plant operating requirements change. Such a change may result in the facility paying higher permit fees. Appendix A outlines the potential to emit for the Lake Catherine facility. If this facility has a modification above the PSD significance level, Appendix A will be used as potential to emit pursuant to 40 CFR 52.21. The facility must meet the requirements of the Acid Rain Program and emissions from the facility must not violate the National Ambient Air Quality Standards (NAAQS).

1717-AOP-R1 was issued on May 8, 2001. After the issuance of the initial permit (1717-AOP-R0), it was discovered that the facility had potential problems with the permitted NO<sub>x</sub> limits for short periods of time when the units were brought to maximum load. Also, it was found that Boiler #3 was exceeding the SO<sub>2</sub> limits. The exceedances were caused by low estimates of the heat input of the boilers. This modification allowed the facility to increase the estimated heat input for boilers and increased the permitted emission limits. No physical modifications were made to equipment at the facility.

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## SECTION IV: SPECIFIC CONDITIONS

SN-01, SN-02, SN-03  
Boilers

### Source Description

The Lake Catherine facility is a four-unit electric generating station which generates electric energy for sale. Unit 1 and Unit 2 boilers (SN-01) are 658 MMBtu/hr boilers. SN-02 or Unit 3 boiler is a 1090 MMBtu/hr boiler and SN-03 or Unit 4 is a boiler capable of 5850 MMBtu/hr (nominal rating 560 MWg (megawatts gross)). Electricity is produced by using natural gas as the primary fuel and No. 6 fuel oil as the secondary fuel in all four boilers to produce steam. The steam is used to drive the turbines which turn the electric generators.

The emission limits in this permit are established pursuant to Regulation 18, §18.801. The limits are not established pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51, Subpart I, or 40 CFR 51.166. Therefore, the facility is not subject to PSD if the hours of operation are to be increased.

The boilers are permitted to operate under alternating scenarios. Scenario I represents combustion from natural gas and Scenario II represents combustion from natural gas and No. 6 fuel oil. Lake Catherine may also burn residual oil, and non-hazardous boiler chemical cleaning wastes. Currently all fuel is natural gas. There are no control devices associated with these units.

### Specific Conditions

1. The permittee shall not exceed the emission rates set forth in the following table. Compliance with SO<sub>2</sub> emissions shall be demonstrated through compliance with Specific Condition 12. Compliance with SN-01 and SN-02 NO<sub>x</sub> emissions shall be demonstrated through compliance with Specific Condition 14, while SN-03 NO<sub>x</sub> shall be demonstrated through compliance with Specific Condition 13. Compliance with PM<sub>10</sub>, CO, and VOC emissions shall be demonstrated through compliance with Specific Condition 7. Compliance is based on a 24 hour block average. [Regulation 19, §19.501 et seq., effective February 15, 1999 and 40 CFR Part 52, Subpart E]

SN	Description	Pollutant	lb/hr	tpy
01	Unit 1 – Natural Gas	PM <sub>10</sub>	4.0	17.3
		SO <sub>2</sub>	0.5	2.2
		VOC	3.8	16.7
		CO	58.0	255.0
		NO <sub>x</sub>	381.0	1669.0
	Unit 1 – No. 6 Fuel Oil	PM <sub>10</sub>	45.2	26.5
		SO <sub>2</sub>	689.0	153.0

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		VOC	4.6	16.8
		CO	58.0	246.2
		NO <sub>x</sub>	381.0	1630.5
	Unit 2 – Natural Gas	PM <sub>10</sub>	4.0	17.3
		SO <sub>2</sub>	0.5	2.2
		VOC	3.8	16.7
		CO	58.0	255.0
		NO <sub>x</sub>	381.0	1669.0
	Unit 2 – No. 6 Fuel Oil	PM <sub>10</sub>	45.2	26.5
		SO <sub>2</sub>	689.0	153.0
		VOC	4.6	16.8
		CO	58.0	246.2
		NO <sub>x</sub>	381.0	1630.5
02	Unit 3 – Natural Gas	PM <sub>10</sub>	6.5	29.0
		SO <sub>2</sub>	1.0	4.4
		VOC	6.3	28.0
		CO	96.0	422.0
		NO <sub>x</sub>	631.0	2764.0
	Unit 3 – No. 6 Fuel Oil	PM <sub>10</sub>	78.4	44.2
		SO <sub>2</sub>	1194.1	265.7
		VOC	7.9	27.9
		CO	96.0	407.8
		NO <sub>x</sub>	631.0	2704.0
03	Unit 4 – Natural Gas	PM <sub>10</sub>	33.4	146.0
		SO <sub>2</sub>	3.5	15.4
		VOC	32.2	141.0
		CO	140.4	615.0
		NO <sub>x</sub>	3393.0	14861.0
	Unit 4 – No. 6 Fuel Oil	PM <sub>10</sub>	402.5	226.9
		SO <sub>2</sub>	6123.0	1355.5
		VOC	40.6	142.9
		CO	195.0	626.9
		NO <sub>x</sub>	3393.0	14391.6

2. The permittee shall not exceed the emission rates set forth in the following table. Compliance with PM emissions shall be demonstrated through compliance with Specific Condition 7. The HAP emissions listed for these sources are based upon published emission factors at the time of permit issuance. Any change in these emission factors will not constitute a violation of the HAP emission rates listed below. [Regulation 18, §18.801, effective February 15, 1999, and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

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SN	Description	Pollutant	lb/hr	tpy
01	Unit 1 – Natural Gas	PM	5.3	23.0
	Unit 1 – No. 6 Fuel Oil	PM	62.0	35.6
	Unit 2 – Natural Gas	PM	5.3	23.0
	Unit 2 – No. 6 Fuel Oil	PM	62.0	35.6
	Unit 1 & Unit 2 (HAPs)	Acenaphthene*	0.01	0.01
		Fluoranthene*	0.01	0.01
		Fluorene*	0.01	0.01
		Formaldehyde*	0.3	1.3
		Hexane*	2.5	11.0
		Hydrogen Chloride	3.2	13.7
		Phenanthrene*	0.01	0.01
		POM*	0.01	0.05
		2,3,7,8-TCD*	0.01	0.01
		Toluene*	0.06	0.24
		Antimony**	0.05	0.21
		Arsenic**	0.02	0.05
Beryllium**	0.01	0.01		
Cadmium**	0.01	0.02		
Cobalt**	0.06	0.24		
Manganese**	0.03	0.12		
Mercury**	0.01	0.01		
Nickel**	0.75	3.3		
Selenium**	0.01	0.03		
02	Unit 3 – Natural Gas	PM	8.7	38.1
	Unit 3 – No. 6 Fuel Oil	PM	105.4	59.3
	Unit 3 (HAPs)	Acenaphthene*	0.01	0.01
		Fluoranthene*	0.01	0.01
		Fluorene*	0.01	0.01
		Formaldehyde*	0.26	1.1
		Hexane*	2.1	9.1
		Hydrogen Chloride	2.7	11.9
		Phenanthrene*	0.01	0.01
		POM*	0.01	0.04
		2,3,7,8-TCD*	0.01	0.01
		Toluene*	0.05	0.21
Antimony**	0.04	0.18		
Arsenic**	0.01	0.05		
Beryllium**	0.02	0.01		
Cadmium**	0.01	0.02		

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		Cobalt**	0.05	0.2
		Manganese**	0.03	0.1
		Mercury**	0.01	0.01
		Nickel**	0.65	2.82
		Selenium**	0.01	0.03
03	Unit 4 – Natural Gas	PM	45.0	197.1
	Unit 4 – No. 6 Fuel Oil	PM	542.5	306.1
	Unit 4 (HAPs)	Acenaphthene*	0.01	0.01
		Fluoranthene*	0.01	0.01
		Fluorene*	0.01	0.01
		Formaldehyde*	1.2	5.02
		Hexane*	9.9	43.2
		Hydrogen Chloride	12.4	54.1
		Phenanthrene*	0.01	0.01
		POM*	0.05	0.19
		2,3,7,8-TCD*	0.01	0.01
		Toluene*	0.22	0.95
		Antimony**	0.19	0.80
		Arsenic**	0.05	0.21
		Beryllium**	0.01	0.01
Cadmium**	0.02	0.06		
Cobalt**	0.21	0.92		
Manganese**	0.11	0.46		
Mercury**	0.01	0.02		
Nickel**	2.92	12.9		
Selenium**	0.03	0.11		

3. The permittee shall contemporaneously with making a change from one operating scenario to another, record in a log at the permitted facility a record of the scenario under which the facility or source is operating. [Regulation 26, §26.701 and 40 CFR 70.6]
4. The permittee shall not exceed 40 percent opacity from SN-01, SN-02, and SN-03 as measured by EPA Reference Method 9 when firing natural gas. Compliance with the opacity shall be demonstrated by burning natural gas in the boilers and complying with Specific Condition 3. [Regulation 19, §19.503 and 40 CFR Part 52, Subpart E]
5. The permittee shall not exceed 40 percent opacity from SN-01, SN-02, and SN-03 as measured by EPA Reference Method 9 when firing No. 6 fuel oil. Compliance with this condition shall be demonstrated by complying with Specific Condition 6. [Regulation 19, §19.503 and 40 CFR Part 52, Subpart E]
6. The permittee shall conduct daily observations of the opacity from SN-01 thru SN-03 when burning No. 6 fuel oil. If visible emissions are in excess of 40%, then the permittee shall conduct a 6-minute opacity reading in accordance with EPA Reference Method 9

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and document the results that day. The facility shall certify weekly that observations were made each day and the results of the observations. The results of these observations shall be kept on site and made available for inspection upon request. [Regulation 19, §19.503 and 40 CFR Part 52, Subpart E]

7. The permittee shall install, operate, and maintain O<sub>2</sub> monitors on the boilers. The permittee shall show a positive O<sub>2</sub> reading when the boilers are in operation. [Regulation 19, §19.703, 40 CFR Part 52, Subpart E, and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
8. The permittee shall update, twice per day, records which demonstrate compliance with Specific Condition 7. These records shall be kept on site, and shall be made available to Department personnel upon request. Each individual month's readings shall be submitted in accordance with General Condition 7. [Regulation 19, §19.703, 40 CFR Part 52, Subpart E, and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
9. Fuel oil usage shall not exceed 22,230,000 gallons during any consecutive twelve month period. The permittee is accepting these limits for fee purposes only. These limits are not being established pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51, Subpart I or 40 CFR 51.166. [Regulation 19, §19.705, A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, and 40 CFR 70.6]
10. The permittee shall maintain records which demonstrate compliance with the limit set in Specific Condition 9. These records may be used by the Department for enforcement purposes. The records shall be updated on a monthly basis, shall be kept on site, and shall be provided to Department personnel upon request. An annual total and each individual month's data shall be submitted in accordance with General Provision 7. [Regulation 19, §19.705 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
11. The permittee shall not exceed the emission rates set forth in the following table. Compliance with this condition shall be demonstrated by burning 100% natural gas or No. 6 fuel oil as set forth in Specific Condition 9 and natural gas. The permittee is accepting these limits for fee purposes only. These limits are not being established pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51, Subpart I or 40 CFR 51.166. [Regulation 19, §19.501 et seq and 40 CFR Part 52, Subpart E]

SN	Description	Pollutant	tpy
01	Unit 1	PM	35.6
		PM <sub>10</sub>	26.5
		SO <sub>2</sub>	153.0
		VOC	16.8
		CO	255.0
		NO <sub>x</sub>	1669.0

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	Unit 2	PM	35.6
		PM <sub>10</sub>	26.5
		SO <sub>2</sub>	153.0
		VOC	16.8
		CO	255.0
		NO <sub>x</sub>	1669.0
02	Unit 3	PM	59.3
		PM <sub>10</sub>	44.2
		SO <sub>2</sub>	265.7
		VOC	28.0
		CO	422.0
		NO <sub>x</sub>	2764.0
03	Unit 4	PM	306.1
		PM <sub>10</sub>	226.9
		SO <sub>2</sub>	1355.5
		VOC	142.9
		CO	626.9
		NO <sub>x</sub>	14861.0

12. The permittee shall determine SO<sub>2</sub> emissions using the optional SO<sub>2</sub> emissions data protocol procedures in 40 CFR Part 75, Appendix D, section 2.3. The records may be used by the Department for enforcement purposes. The records shall be updated on a monthly basis, shall be kept on site, and shall be provided to Department personnel upon request. An annual total and each individual month's data shall be submitted in accordance with General Provision 7. [Regulation 19, §19.703, 40 CFR Part 52, Subpart E, and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
13. The permittee shall maintain records, using CEMS for NO<sub>x</sub> for Unit 4 (SN-03), which demonstrate compliance with the limit set forth in this permit. The records may be used by the Department for enforcement purposes. The records shall be updated on a monthly basis, shall be kept on site, and shall be provided to Department personnel upon request. An annual total and each individual month's data shall be submitted in accordance with General Provision 7. [Regulation 19, §19.703, 40 CFR Part 52, Subpart E, and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
14. The permittee shall determine NO<sub>x</sub> emissions for units 1, 2, and 3 (SN-01 and SN-02) using the optional NO<sub>x</sub> emissions data protocol procedure in 40 CFR Part 75, Appendix E, section 2.4. The records shall be updated on a monthly basis, shall be kept on site, and shall be provided to Department personnel upon request. An annual total and each individual month's data shall be submitted in accordance with General Provision 7. [Regulation 19, §19.703, 40 CFR Part 52, Subpart E, and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
15. In the event that Units 1, 2, or 3 exceed the levels required to be peaking units as defined in 40 CFR 72.2, the permittee shall maintain records, using CEMS for NO<sub>x</sub> for Units 1, 2

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and 3, which demonstrate compliance with the limit set forth in this permit. If CEMS is required, it will be installed in accordance with 40 CFR Part 75, Appendix E, §1.1 which requires a NO<sub>x</sub> CEMS to be installed and certified no later than December 31<sup>st</sup> of the calendar year following the year in which the peaking status was lost. The records may be used by the Department for enforcement purposes. The records shall be updated on a monthly basis, shall be kept on site, and shall be provided to Department personnel upon request. An annual total and each individual month's data shall be submitted in accordance with General Provision 7. [Regulation 19, §19.703, 40 CFR Part 52, Subpart E, and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

16. The permittee shall submit an excess emissions report for SO<sub>2</sub> and NO<sub>x</sub> for these sources every six (6) months. The report may be submitted to the Department with the report described in General Provision 7. The report shall include the magnitude of excess emissions computed from the 40 CFR Part 75 monitoring data in pounds per hour, any conversion factor(s) used, and the date and time of commencement and completion of each time period of excess emissions. [Regulation 19, §19.705 and 40 CFR Part 52, Subpart E]
17. The permittee shall determine CO<sub>2</sub> emissions based on the measured carbon content of the fuel and the fuel and the procedures in appendix G of 40 CFR Part 75 to estimate CO<sub>2</sub> emissions (in ton/day) discharged to the atmosphere. [Regulation 19, §19.304 and 40 CFR 75.10 (a)(3)]
18. SN 1, 2, and 3 are considered gas-fired units and are exempt from Part 75 opacity monitoring as per 40 CFR Part 75.10 (a) (4). [Regulation 19, §19.304 and 40 CFR 72.2]
19. In the event a gas-fired unit is recategorized as another type of unit by changing its fuel mix, the owner or operator shall install, operate, and certify a continuous opacity monitoring system. Each continuous opacity monitoring system shall meet the design, installation, equipment, and performance specifications in Performance Specifications 1 in appendix B to part 60. [Regulation 19, §19.304 and 40 CFR 74.14]
20. The permittee shall ensure that all required continuous emission monitoring systems are in operation and monitoring all unit emissions at all times that the affected unit combusts any fuel, except during periods of calibration, quality assurance, preventative maintenance or repair. A copy of the CEM monitoring requirements can be found in Appendix B of this permit. [Regulation 19, §19.703 and 40 CFR 75.10]
21. The permittee shall submit the required quarterly monitoring reports to EPA headquarters. [Regulation 19, §19.304 and 40 CFR Part 75.10]
22. The permittee shall perform Relative Accuracy tests. [Regulation 19, §19.304 and 40 CFR 75]

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23. The permittee shall determine and record the heat input to each affected unit for every hour or part of an hour any fuel is combusted following the procedures in Appendix F of 40 CFR Part 75. [Regulation 19, §19.304 and 40 CFR 75.10 (c)]
24. The permittee shall conduct a one-time stack test using EPA Method 10 to verify compliance with the CO emission rates listed for these sources (SN-01, 02, 03). This test shall be completed within the first 180 operating days after issuance of this permit. A copy of the results of these tests shall be kept on site and made available to Department personnel upon request. The test results shall be submitted to the Department in accordance with General Provision 7. [Regulation 19, §19.702 and 40 CFR Part 52, Subpart E]

Acid Rain Program

25. The affected units (SN-01 through SN-03) are subject to and shall comply with applicable provisions of the Acid Rain Program (40 CFR Parts 72, 73, and 75).
26. Pursuant to 40 CFR Part 75 (Appendix B)- Continuous Emission Monitoring Subpart G, the submission of the NO<sub>x</sub>, SO<sub>2</sub>, and O<sub>2</sub> or CO<sub>2</sub> monitoring plan is required at least 45 days prior to the CEMS certification testing. Notice of CEMS certification testing is required at least 21 days prior to the CEMS certification testing. A copy of 40 CFR Part 75 is included in Appendix E.
27. Pursuant to 40 CFR Part 75 Subpart G - Continuous Emission Monitoring, a monitoring plan is required to be submitted for NO<sub>x</sub>, SO<sub>2</sub>, and O<sub>2</sub> or CO<sub>2</sub> monitoring.
28. Pursuant to 40 CFR Part 75 Subpart A, the initial NO<sub>x</sub>, and O<sub>2</sub> or CO<sub>2</sub> CEMS certification testing is to occur no later than 90 days after the unit commences commercial operation except the testing must occur prior to the date this unit is declared commercial in accordance with DOE Form EIA-860.

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SN-04 through 09  
Storage Tanks

Source Description

No. 6 fuel oil is stored in six storage tanks on site. The tanks have a capacity ranging from 401,900 gallons to 11,681,200 gallons. These tanks are designated as Fuel Oil Day Tank #1 (SN-04), Fuel Oil Day Tank #2 (SN-05), Fuel Oil Tank #3 (SN-06), Fuel Oil Tank #4 (SN-07), Fuel Oil Tank #5 (SN-08), and Fuel Oil Tank #6 (SN-09). The tanks and their connecting lines do not currently contain oil. Fuel Oil Day Tank #1 (SN-04) is occasionally used for temporary waste water storage.

Specific Conditions

29. The permittee shall not exceed the emission rates set forth in the following table. The permittee shall demonstrate compliance with this condition through compliance with Specific Conditions 30 and 31. [Regulation 19, §19.501 et seq. and 40 CFR Part 52, Subpart E]

SN	Pollutant	lb/hr	tpy
04	VOC	0.1	0.1
05	VOC	0.1	0.1
06	VOC	0.1	0.1
07	VOC	0.1	0.1
08	VOC	0.1	0.1
09	VOC	0.1	0.1

30. The permittee shall store only No. 6 fuel oil in storage tanks SN-05 thru SN-09. SN-04 may be used for temporary waste water storage. [Regulation 19, §19.705, A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and 8-4-311, and 40 CFR 70.6]
31. The permittee shall not exceed the annual throughput of 213,192,120 gallons of No. 6 fuel oil in each of the storage tanks during any consecutive twelve month period. [Regulation 19, §19.705, A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and 8-4-311, and 40 CFR 70.6]
32. The permittee shall maintain records which demonstrate compliance with the limit set in Specific Condition 31. These records may be used by the Department for enforcement purposes. The records shall be updated on a monthly basis, shall be kept on site, and shall be provided to Department personnel upon request. An annual total and each

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individual month's data shall be submitted in accordance with General Provision 7.  
[Regulation 19, §19.705 and 40 CFR 52, Subpart E]

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## **SECTION V: COMPLIANCE PLAN AND SCHEDULE**

Entergy Arkansas, Inc. - Lake Catherine Plant will continue to operate in compliance with those identified regulatory provisions. The facility will examine and analyze future regulations that may apply and determine their applicability with any necessary action taken on a timely basis.

### Existing Monitoring

The Lake Catherine facility currently monitors and reports quarterly data for SO<sub>2</sub> and NO<sub>x</sub> under Acid Rain requirements of 40 CFR 75.

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## SECTION VI: PLANTWIDE CONDITIONS

1. The permittee shall notify the Director in writing within thirty (30) days after commencing construction, completing construction, first placing the equipment and/or facility in operation, and reaching the equipment and/or facility target production rate. [Regulation 19, §19.704, 40 CFR Part 52, Subpart E, and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
2. If the permittee fails to start construction within eighteen months or suspends construction for eighteen months or more, the Director may cancel all or part of this permit. [Regulation 19, §19.410(B) and 40 CFR Part 52, Subpart E]
3. The permittee must test any equipment scheduled for testing, unless stated in the Specific Conditions of this permit or by any federally regulated requirements, within the following time frames: (1) new equipment or newly modified equipment within sixty (60) days of achieving the maximum production rate, but no later than 180 days after initial start up of the permitted source or (2) operating equipment according to the time frames set forth by the Department or within 180 days of permit issuance if no date is specified. The permittee must notify the Department of the scheduled date of compliance testing at least fifteen (15) days in advance of such test. The permittee shall submit the compliance test results to the Department within thirty (30) days after completing the testing. [Regulation 19, §19.702 and/or Regulation 18 §18.1002 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
4. The permittee must provide: [Regulation 19, §19.702 and/or Regulation 18, §18.1002 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
  - a. Sampling ports adequate for applicable test methods;
  - b. Safe sampling platforms;
  - c. Safe access to sampling platforms; and
  - d. Utilities for sampling and testing equipment.
5. The permittee must operate the equipment, control apparatus and emission monitoring equipment within the design limitations. The permittee shall maintain the equipment in good condition at all times. [Regulation 19, §19.303 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
6. This permit subsumes and incorporates all previously issued air permits for this facility. [Regulation 26 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

### Permit Shield

7. Compliance with the conditions of this permit shall be deemed compliance with all applicable requirements, as of the date of permit issuance, included in and specifically identified in the following table of this condition. The permit specifically identifies the

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following as applicable requirements based upon the information submitted by the permittee in an application dated October 15, 2003.

Applicable Regulations

Source No.	Regulation	Description
01-03	Regulation 26 Section 3	Regulations of the Arkansas Operating Air Permit Program
40 CFR 72 Subpart A-D	Acid Rain Permit Regulations	Acid Rain Permit Regulations
40 CFR 73 Subpart B	SO <sub>2</sub> Allowance Allocations	SO <sub>2</sub> Allowance Allocations
40 CFR 75 Subpart A-D, F, and G	Continuous Emission Monitoring	Continuous Emission Monitoring
40 CFR 77	Excess Emissions	Excess Emissions

Acid Rain (Title IV)

8. The Director prohibits the permittee to cause any emissions exceeding any allowances the source lawfully holds under Title IV of the Act or the regulations promulgated under the Act. No permit revision is required for increases in emissions allowed by allowances acquired pursuant to the acid rain program, if such increases do not require a permit revision under any other applicable requirement. This permit establishes no limit on the number of allowances held by the permittee. However, the source may not use allowances as a defense for noncompliance with any other applicable requirement of this permit or the Act. The permittee will account for any such allowance according to the procedures established in regulations promulgated under Title IV of the Act. [Regulation 26, §26.701 and 40 CFR 70.6(a)(4)]

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## SECTION VII: INSIGNIFICANT ACTIVITIES

The following sources are insignificant activities. Any activity that has a state or federal applicable requirement shall be considered a significant activity even if this activity meets the criteria of §304 of Regulation 26 or listed in the table below. Insignificant activity determinations rely upon the information submitted by the permittee in an application dated October 15, 2003.

Description	Category
Kerosene Fired Steam Cleaner	Group A, 1
Gasoline Powered Oil Skimmer	
Units 1 & 2 BFW Pump LO Reservoir	Group A, 2
Units 1 & 2 BFW Pump LO Reservoir	
Units 1 & 2 BFW Pump LO Reservoir	
Unit 3 BFW Pump LO Reservoir	
Unit 3 BFW Pump LO Reservoir	
Unit 3 BFW Pump LO Reservoir	
Unit 4 FD Fan LO Reservoir	
Unit 4 BFW LO Reservoir	
Unit 4 BFW LO Reservoir	
Unit 4 BFW LO Reservoir	
Unit 4 BFW LO Reservoir	
Unit 4 BFP LO Reservoir	
Emergency Diesel Generator Tank	
Used Oil Storage Tank	
Used Kerosene Drum	
Waste Oil/ Solvent Storage	
Oil/Water Separator (Oil Section)	
Units 1, 2, & 3 Lube Oil Batch Tank #1	Group A, 3
Units 1, 2, & 3 Lube Oil Batch Tank #2	
Units 1, 2, & 3 Lube Oil Batch Tank #3	

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Unit 1 Lube Oil Reservoir		
Unit 1 Lube Oil Filter Tank		
Unit 2 Lube Oil Reservoir		
Unit 2 Lube Oil Filter Tank		
Unit 3 Lube Oil Reservoir		
Unit 3 Lube Oil Filter Tank		
Unit 3 Seal Oil Tank		
Unit 4 LO Filter Tank		
Unit 4 Seal Oil Tank		
Unit 4 FD Fan LO Reservoir		
Fuel Oil Additive Tank		
Oil Drum Storage		
Diesel Tank		
Diesel Emergency Generator		Group A, 12
Unit 4 LO Batch Tanks (2 - 12,000 gal)		Group A, 13
Unit 4 LO Reservoir (12,000 gal)		
500 gallon Gasoline Tank		
Degreaser		
Unit 3 Welding Area (1 machine)		
Diesel Fuel Oil Dispensing Station		
Unleaded Gasoline Dispensing Station		
Unit 4 Bead Blaster		
Grit Blaster		
Aerosol Lubricant Fugitives		
Aerosol Degreaser Fugitives		
Aerosol Insecticides		
Welding Shop (2 machines)		
Aerosol Puncture Station		

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## SECTION VIII: GENERAL PROVISIONS

1. Any terms or conditions included in this permit which specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 et seq.) as the sole origin of and authority for the terms or conditions are not required under the Clean Air Act or any of its applicable requirements, and are not federally enforceable under the Clean Air Act. Arkansas Pollution Control & Ecology Commission Regulation 18 was adopted pursuant to the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 et seq.). Any terms or conditions included in this permit which specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 et seq.) as the origin of and authority for the terms or conditions are enforceable under this Arkansas statute. [40 CFR 70.6(b)(2)]
2. This permit shall be valid for a period of five (5) years beginning on the date this permit becomes effective and ending five (5) years later. [40 CFR 70.6(a)(2) and §26.701(B) of the Regulations of the Arkansas Operating Air Permit Program (Regulation 26), effective August 10, 2000]
3. The permittee must submit a complete application for permit renewal at least six (6) months before permit expiration. Permit expiration terminates the permittee's right to operate unless the permittee submitted a complete renewal application at least six (6) months before permit expiration. If the permittee submits a complete application, the existing permit will remain in effect until the Department takes final action on the renewal application. The Department will not necessarily notify the permittee when the permit renewal application is due. [Regulation 26, §26.406]
4. Where an applicable requirement of the Clean Air Act, as amended, 42 U.S.C. 7401, et seq. (Act) is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, the permit incorporates both provisions into the permit, and the Director or the Administrator can enforce both provisions. [40 CFR 70.6(a)(1)(ii) and Regulation 26, §26.701(A)(2)]
5. The permittee must maintain the following records of monitoring information as required by this permit. [40 CFR 70.6(a)(3)(ii)(A) and Regulation 26, §26.701(C)(2)]
  - a. The date, place as defined in this permit, and time of sampling or measurements;
  - b. The date(s) analyses performed;
  - c. The company or entity performing the analyses;
  - d. The analytical techniques or methods used;
  - e. The results of such analyses; and
  - f. The operating conditions existing at the time of sampling or measurement.
6. The permittee must retain the records of all required monitoring data and support information for at least five (5) years from the date of the monitoring sample,

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measurement, report, or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [40 CFR 70.6(a)(3)(ii)(B) and Regulation 26, §26.701(C)(2)(b)]

7. The permittee must submit reports of all required monitoring every six (6) months. If permit establishes no other reporting period, the reporting period shall end on the last day of the anniversary month of the initial Title V permit. The report is due within thirty (30) days of the end of the reporting period. Although the reports are due every six months, each report shall contain a full year of data. The report must clearly identify all instances of deviations from permit requirements. A responsible official as defined in Regulation No. 26, §26.2 must certify all required reports. The permittee will send the reports to the address below: [40 C.F.R. 70.6(a)(3)(iii)(A) and Regulation 26, §26.701(C)(3)(a)]

Arkansas Department of Environmental Quality  
Air Division  
ATTN: Compliance Inspector Supervisor  
Post Office Box 8913  
Little Rock, AR 72219

8. The permittee shall report to the Department all deviations from permit requirements, including those attributable to upset conditions as defined in the permit. The permittee shall make an initial report to the Department by the next business day after the discovery of the occurrence. The initial report may be made by telephone and shall include:
  - a. The facility name and location
  - b. The process unit or emission source deviating from the permit limit,
  - c. The permit limit, including the identification of pollutants, from which deviation occurs,
  - d. The date and time the deviation started,
  - e. The duration of the deviation,
  - f. The average emissions during the deviation,
  - g. The probable cause of such deviations,
  - h. Any corrective actions or preventive measures taken or being taken to prevent such deviations in the future, and
  - i. The name of the person submitting the report.

The permittee shall make a full report in writing to the Department within five (5) business days of discovery of the occurrence. The report must include, in addition to the information required by the initial report, a schedule of actions taken or planned to eliminate future occurrences and/or to minimize the amount the permit's limits were exceeded and to reduce the length of time the limits were exceeded. The permittee may submit a full report in writing (by facsimile, overnight courier, or other means) by the next business day after discovery of the occurrence, and the report will serve as both the initial report and full report. [40 CFR 70.6(a)(3)(iii)(B), Regulation 26, §26.701(C)(3)(b), Regulation 19, §19.601 and §19.602]

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9. If any provision of the permit or the application thereof to any person or circumstance is held invalid, such invalidity will not affect other provisions or applications hereof which can be given effect without the invalid provision or application, and to this end, provisions of this Regulation are declared to be separable and severable. [40 CFR 70.6(a)(5), Regulation 26, §26.701(E), and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
10. The permittee must comply with all conditions of this Part 70 permit. Any permit noncompliance with applicable requirements as defined in Regulation 26 constitutes a violation of the Clean Air Act, as amended, 42 U.S.C. §7401, et seq. and is grounds for enforcement action; for permit termination, revocation and reissuance, for permit modification; or for denial of a permit renewal application. [40 CFR 70.6(a)(6)(i) and Regulation 26, §26.701(F)(1)]
11. 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 to maintain compliance with the conditions of this permit. [40 CFR 70.6(a)(6)(ii) and Regulation 26, §26.701(F)(2)]
12. The Department may modify, revoke, reopen and reissue the permit or terminate the permit for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [40 CFR 70.6(a)(6)(iii) and Regulation 26, §26.701(F)(3)]
13. This permit does not convey any property rights of any sort, or any exclusive privilege. [40 CFR 70.6(a)(6)(iv) and Regulation 26, §26.701(F)(4)]
14. The permittee must furnish to the Director, within the time specified by the Director, any information that the Director 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 must also furnish to the Director copies of records required by the permit. For information the permittee claims confidentiality, the Department may require the permittee to furnish such records directly to the Director along with a claim of confidentiality. [40 CFR 70.6(a)(6)(v) and Regulation 26, §26.701(F)(5)]
15. The permittee must pay all permit fees in accordance with the procedures established in Regulation 9. [40 CFR 70.6(a)(7) and Regulation 26, §26.701(G)]
16. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes provided for elsewhere in this permit. [40 CFR 70.6(a)(8) and Regulation 26, §26.701(H)]

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17. If the permit allows different operating scenarios, the permittee shall, contemporaneously with making a change from one operating scenario to another, record in a log at the permitted facility a record of the operational scenario. [40 CFR 70.6(a)(9)(i) and Regulation 26, §26.701(I)(1)]
18. The Administrator and citizens may enforce under the Act all terms and conditions in this permit, including any provisions designed to limit a source's potential to emit, unless the Department specifically designates terms and conditions of the permit as being federally unenforceable under the Act or under any of its applicable requirements. [40 CFR 70.6(b) and Regulation 26, §26.702(A) and (B)]
19. Any document (including reports) required by this permit must contain a certification by a responsible official as defined in Regulation 26, §26.2. [40 CFR 70.6(c)(1) and Regulation 26, §26.703(A)]
20. The permittee must allow an authorized representative of the Department, upon presentation of credentials, to perform the following: [40 CFR 70.6(c)(2) and Regulation 26, §26.703(B)]
  - a. Enter upon the permittee's premises where the permitted source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
  - b. Have access to and copy, at reasonable times, any records required under the conditions of this permit;
  - c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
  - d. As authorized by the Act, sample or monitor at reasonable times substances or parameters for assuring compliance with this permit or applicable requirements.
21. The permittee shall submit a compliance certification with the terms and conditions contained in the permit, including emission limitations, standards, or work practices. The permittee must submit the compliance certification annually within 30 days following the last day of the anniversary month of the initial Title V permit. The permittee must also submit the compliance certification to the Administrator as well as to the Department. All compliance certifications required by this permit must include the following: [40 CFR 70.6(c)(5) and Regulation 26, §26.703(E)(3)]
  - a. The identification of each term or condition of the permit that is the basis of the certification;
  - b. The compliance status;
  - c. Whether compliance was continuous or intermittent;
  - d. The method(s) used for determining the compliance status of the source, currently and over the reporting period established by the monitoring requirements of this permit;
  - e. and Such other facts as the Department may require elsewhere in this permit or by §114(a)(3) and §504(b) of the Act.

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22. Nothing in this permit will alter or affect the following: [Regulation 26, §26.704(C)] The provisions of Section 303 of the Act (emergency orders), including the authority of the Administrator under that section; the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance; the applicable requirements of the acid rain program, consistent with §408(a) of the Act or, the ability of EPA to obtain information from a source pursuant to §114 of the Act.
23. This permit authorizes only those pollutant emitting activities addressed in this permit. [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

## APPENDIX A

Maximum Capacity Emission Rates				
			100% Natural Gas (tpy)	100% Fuel Oil (tpy)
01 (C1)	Unit 1	PM	23.0	271.6
		PM <sub>10</sub>	17.3	198.0
		SO <sub>2</sub>	2.2	3017.8
		VOC	16.7	20.1
		CO	255.0	96.4
		NO <sub>x</sub>	1669.0	903.2
	Unit 2	PM	23.0	271.6
		PM <sub>10</sub>	17.3	198.0
		SO <sub>2</sub>	2.2	3017.8
		VOC	16.7	20.1
		CO	255.0	96.4
		NO <sub>x</sub>	1669.0	903.2
02 (C3)	Unit 3	PM	38.1	461.7
		PM <sub>10</sub>	29.0	343.4
		SO <sub>2</sub>	4.4	5230.2
		VOC	28.0	34.6
		CO	422.0	166.4
		NO <sub>x</sub>	2764.0	1568.0
03 (C4)	Unit 4	PM	197.1	2376.2
		PM <sub>10</sub>	146.0	1763.0
		SO <sub>2</sub>	15.4	26818.7
		VOC	141.0	177.8
		CO	615.0	854.1
		NO <sub>x</sub>	14861.0	5466.2

## APPENDIX B

