

# **ADEQ OPERATING AIR PERMIT**

Pursuant to the Regulations of the Arkansas Operating Air Permit Program, Regulation No. 26:

**Permit No. : 1923-AOP-R0**

**IS ISSUED TO:**

**Arkansas Children's Hospital**

**Little Rock, AR 72202**

**Pulaski County**

**AFIN: 60-00689**

**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:**

**November 30, 2005 AND November 29, 2010**

**IS SUBJECT TO ALL LIMITS AND CONDITIONS CONTAINED HEREIN.**

**Signed:**

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Michael Bonds  
Chief, Air Division

November 30, 2005

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Date

Facility: Arkansas Children's Hospital  
Permit No.: 1923-AOP-R0  
AFIN: 60-00689

## Table of Contents

<b>SECTION I: FACILITY INFORMATION .....</b>	<b>5</b>
<b>SECTION II: INTRODUCTION .....</b>	<b>6</b>
SUMMARY OF PERMIT ACTIVITY .....	6
PROCESS DESCRIPTION .....	6
REGULATIONS.....	7
<b>SECTION III: PERMIT HISTORY .....</b>	<b>11</b>
<b>SECTION IV: SPECIFIC CONDITIONS .....</b>	<b>12</b>
STEAM BOILERS (#1 THROUGH #4 AND 750 BHP BOILER).....	12
GAS TURBINES #1 AND #2 .....	16
EMERGENCY POWER GENERATORS .....	19
OFFICE BUILDING GENERATOR.....	22
<b>SECTION V: COMPLIANCE PLAN AND SCHEDULE .....</b>	<b>24</b>
<b>SECTION VI: PLANT WIDE CONDITIONS.....</b>	<b>25</b>
TITLE VI PROVISIONS .....	25
PERMIT SHIELD.....	27
<b>SECTION VII: INSIGNIFICANT ACTIVITIES.....</b>	<b>28</b>
<b>SECTION VIII: GENERAL PROVISIONS .....</b>	<b>29</b>
<b>APPENDIX A.....</b>	<b>34</b>
<b>40 CFR PART 60, SUBPART DC – STANDARDS OF PERFORMANCE FOR SMALL INDUSTRIAL-COMMERCIAL-     INSTITUTIONAL STEAM GENERATING UNITS .....</b>	<b>34</b>
<b>APPENDIX B .....</b>	<b>35</b>
<b>40 CFR PART 60, SUBPART GG – STANDARDS OF PERFORMANCE FOR STATIONARY GAS TURBINES.....</b>	<b>35</b>

Facility: Arkansas Children's Hospital  
Permit No.: 1923-AOP-R0  
AFIN: 60-00689

## Table of Tables

Table 1 - List of Acronyms .....	4
Table 2 - Regulations .....	7
Table 3 – Emission Summary .....	8
Table 4 – Maximum Criteria Emission Limits for Steam Boilers .....	12
Table 5 – Maximum Non-Criteria Emission Limits for Steam Boilers.....	13
Table 6 – Visible Emission Limits for Steam Boilers.....	13
Table 7 – Boiler Annual Fuel Usage Limits and Maximum Allowable Sulfur Content .....	13
Table 8 – Maximum Criteria Emission Limits for Gas Turbines #1 and #2 .....	16
Table 9 – Maximum Non-Criteria Emission Limits for Gas Turbine #1 and #2 .....	16
Table 10 – Visible Emission Limits for Gas Turbines #1 and #2.....	17
Table 11 – Gas Turbine Annual Fuel Usage Limits and Maximum Allowable Sulfur Content .....	17
Table 12 – Maximum Criteria Emission Limits for Emergency Generators .....	19
Table 13 – Maximum Non-Criteria Emission Limits for Emergency Generators.....	20
Table 14 – Visible Emission Limits for Gas Turbines #1 and #2.....	21
Table 15 – Gas Turbine Annual Fuel Usage Limits and Maximum Allowable Sulfur Content .....	21
Table 16 – Maximum Criteria Emission Limits for Emergency Generators .....	22
Table 17 – Maximum Non-Criteria Emission Limits for Emergency Generators.....	22
Table 18 – Visible Emission Limits for Gas Turbines #1 and #2.....	22
Table 19 – Gas Turbine Annual Fuel Usage Limits and Maximum Allowable Sulfur Content .....	23
Table 20 - Applicable Regulations.....	27
Table 21 - Insignificant Activities .....	28

**Facility:** Arkansas Children's Hospital  
**Permit No.:** 1923-AOP-R0  
**AFIN:** 60-00689

**Table 1 - List of Acronyms**

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	Ton per year
UTM	Universal Transverse Mercator
VOC	Volatile Organic Compound

**Facility: Arkansas Children's Hospital**  
**Permit No.: 1923-AOP-R0**  
**AFIN: 60-00689**

**Section I: FACILITY INFORMATION**

PERMITTEE: Arkansas Children's Hospital

AFIN: 60-00689

PERMIT NUMBER: 1923-AOP-R0

FACILITY ADDRESS: 800 Marshall Street  
Little Rock, AR 72202

MAILING ADDRESS: 800 Marshall Street  
Little Rock, AR 72202

COUNTY: Pulaski County

CONTACT POSITION: Richard James, Director of EH&S

TELEPHONE NUMBER: 501-364-3801

REVIEWING ENGINEER: Charles Hurt

UTM Zone: 15

UTM North - South (Y): 3844.6 km

UTM East - West (X): 564.8 km

Facility: Arkansas Children's Hospital  
Permit No.: 1923-AOP-R0  
AFIN: 60-00689

## **Section II: INTRODUCTION**

### **Summary of Permit Activity**

Arkansas Children's Hospital (ACH) is located at 800 Marshall Street in Little Rock. ACH requested to install a 2,032 BHP Electric Generator (SN-16) firing #2 Distillate Fuel Oil. ACH also requested to increase the #2 Distillate Fuel Combustion Limit by 60,000 gallons. The installation of the new generator caused ACH to become a Title V source. Annual emissions for PM/PM<sub>10</sub>, SO<sub>2</sub>, VOC, CO, and NO<sub>x</sub>, increased by 1.2 tpy, 1.0 tpy, 1.4 tpy, 3.9 tpy, and 18.6 tpy, respectively.

### **Process Description**

#### **Steam Boilers (SN-02, SN-03, and SN-04)**

ACH operates 5 steam boilers for the purpose of atmospheric heat and humidity control. Steam boilers No. 1 and 3 are 500 BHP Kewanee Firetube Steam Boilers. Boiler No. 2 is a 250 BHP Kewanee Firetube Boiler. Boiler No. 4 is a 500 BHP Hurst Firetube Boiler. A 750 BHP Kewanee Firetube Steam Boiler is located at the Energy Building. Each boiler is permitted for operation with natural gas and No. 2 distillate oil. Boiler No. 4 discharges through vent stack SN-02. Boilers No. 1, 2, and 3 discharge through vent stack SN-03 and the energy building boiler discharges emissions through SN-04. No. 2 Distillate Oil is stored in a 10,152 gallon underground storage tank and any of various smaller day tanks.

#### **Turbine Engines (SN-05 and SN-06)**

ACH has two Detroit Allison Model ASP 729 Gas Turbine Engines used for emergency electrical power generation only. The engines use No. 2 distillate oil and are capable of producing 2500 kW-hr and 3100 kW-hr. They vent through SN-05 and SN-06 respectively. The turbines are run several times per year for equipment checks. Fuel is stored in any of three above ground 8,000 gallon storage tanks or any of various smaller day tanks.

#### **Emergency Generators (SN-07 through SN-15)**

ACH has four Caterpillar 375 horsepower diesel engine powered generators on site for emergency power supply. Each set can produce 250 kW-hr of power. Each engine is tested weekly for proper operation. Each engine exhausts separately from SN-07, SN-08, SN-09, and SN-10.

An 88 horsepower Cummins-Onan emergency generator is located at the energy building. This diesel engine and generator can produce 62.5 kW-hr. The engine is tested weekly and only run in emergency situations. The engine exhausts through stack SN-12.

ACH installed two 500 kW emergency power generators (SN-14 and SN-15) in June of 2003. Both generators are Caterpillar Model No. 3412. Each engine exhausts through its own stack.

Facility: Arkansas Children's Hospital  
Permit No.: 1923-AOP-R0  
AFIN: 60-00689

Generator engine fuel is stored in any of three above ground 8,000 gallon storage tanks or any of various smaller day tanks.

### Office Building Generator (SN-16)

The Office Building Generator is a 2,030 hp electric generator capable of producing 1,400 kW-hours. The engine exhausts through its own stack. The generator is permitted for a maximum annual fuel usage of 60,000 gallons of #2 Distillate Fuel Oil. The fuel is stored in a 2,800 gallon tank.

### Regulations

The following table contains the regulations applicable to this permit.

**Table 2 - Regulations**

<i>Source No.</i>	<i>Regulation Citations</i>
Plantwide  02, 04	Regulation No. 18, <i>Arkansas Air Pollution Code</i>
	Regulation No. 19, <i>Regulations of the Arkansas Plan of Implementation for Air Pollution Control</i>
	40 CFR Part 60, Subpart Dc – <i>Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*</i>
05, 06	40 CFR Part 60, Subpart GG – <i>Standards of Performance for Stationary Gas Turbines</i>

\* The boilers at SN-02, and SN-04 are not subject to the PM standards of Dc because they are all below 30 MMBTU/hr.

Facility: Arkansas Children's Hospital  
Permit No.: 1923-AOP-R0  
AFIN: 60-00689

The following table is a summary of emissions from the facility. The following table contains cross-references to the pages containing specific conditions and emissions for each source. This table, in itself, is not an enforceable condition of the permit.

**Table 3 – Emission Summary**

EMISSION SUMMARY					
Source No.	Description	Pollutant	Emission Rates		Cross Reference Page
			lb/hr	tpy	
Total Allowable Emissions		PM	11.4	7.2	N/A
		PM <sub>10</sub>	11.4	7.2	
		SO <sub>2</sub>	139.0	26.2	
		VOC	13.9	6.8	
		CO	41.0	44.5	
		NO <sub>x</sub>	264.1	112.7	
02	Steam Boiler #4 (21 MMBTU/hr Primary Fuel: Natural Gas Secondary Fuel: #2 Distillate Oil)	PM/PM <sub>10</sub>	0.3	2.3 4.5 1.6 23.5 28.8	12
		SO <sub>2</sub>	10.5		
		VOC	0.2		
		CO	1.8		
		NO <sub>x</sub>	3.0		
03	Steam Boilers #1 (16.74 MMBTU/hr Primary Fuel: Natural Gas Secondary Fuel: #2 Distillate)	PM/PM <sub>10</sub>	0.3		
		SO <sub>2</sub>	8.4		
		VOC	0.1		
		CO	1.4		
		NO <sub>x</sub>	2.4		
	Steam Boiler #2 (8.37 MMBTU/hr Primary Fuel: Natural Gas Secondary Fuel: #2 Distillate)	PM/PM <sub>10</sub>	0.2		
		SO <sub>2</sub>	4.2		
		VOC	0.1		
		CO	0.7		
		NO <sub>x</sub>	1.2		
	Steam Boiler #3 (16.74 MMBTU/hr Primary Fuel: Natural Gas Secondary Fuel: #2 Distillate)	PM/PM <sub>10</sub>	0.3		
		SO <sub>2</sub>	8.4		
		VOC	0.1		
		CO	1.4		
		NO <sub>x</sub>	2.4		
04	750 BHP Steam Boiler (25.1 MMBTU/hr Primary Fuel: Natural Gas Secondary Fuel: #2 Distillate Oil)	PM/PM <sub>10</sub>	0.4	0.9	12
		SO <sub>2</sub>	12.1	2.2	
		VOC	0.2	0.7	
		CO	2.2	9.4	
		NO <sub>x</sub>	3.6	11.6	
05	Gas Turbine #1 (57 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub>	0.4	0.2	16
		SO <sub>2</sub>	42.7	16.0	
		VOC	0.2	0.1	
		CO	0.2	0.1	
		NO <sub>x</sub>	50.0	18.8	

Facility: Arkansas Children's Hospital  
Permit No.: 1923-AOP-R0  
AFIN: 60-00689

EMISSION SUMMARY					
Source No.	Description	Pollutant	Emission Rates		Cross Reference Page
			lb/hr	tpy	
06	Gas Turbine #2 (57 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub>	0.4		
		SO <sub>2</sub>	42.7		
		VOC	0.2		
		CO	0.2		
		NO <sub>x</sub>	50.0		
07	250 KW Emergency Power Generator #1 (2.55 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub>	0.8		19
		SO <sub>2</sub>	0.8		
		VOC	1.0		
		CO	2.5		
		NO <sub>x</sub>	11.3		
08	250 KW Emergency Power Generator #2 (2.55 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub>	0.8		
		SO <sub>2</sub>	0.8		
		VOC	1.0	1.3	
		CO	2.5	1.2	
		NO <sub>x</sub>	11.3	1.5	
09	250 KW Emergency Power Generator #3 (2.55 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub>	0.8		
		SO <sub>2</sub>	0.8		
		VOC	1.0	3.8	
		CO	2.5	17.6	
		NO <sub>x</sub>	11.3		
10	250 KW Emergency Power Generator #4 (2.55 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub>	0.8		
		SO <sub>2</sub>	0.8		
		VOC	1.0		
		CO	2.5		
		NO <sub>x</sub>	11.3		
12	62.5 KW Emergency Power Generator (0.57 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub>	0.2	0.2	19
		SO <sub>2</sub>	0.2	0.2	
		VOC	0.2	0.2	
		CO	0.6	0.4	
		NO <sub>x</sub>	2.5	1.6	

EMISSION SUMMARY					
Source No.	Description	Pollutant	Emission Rates		Cross Reference Page
			lb/hr	tpy	

**Facility:** Arkansas Children's Hospital  
**Permit No.:** 1923-AOP-R0  
**AFIN:** 60-00689

EMISSION SUMMARY					
Source No.	Description	Pollutant	Emission Rates		Cross Reference Page
			lb/hr	tpy	
14	500 KW Emergency Power Generator #1 (5.18 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub>	0.6	1.1 1.1 1.3 3.4 15.7	19
		SO <sub>2</sub>	1.4		
		VOC	1.7		
		CO	4.4		
		NO <sub>x</sub>	20.1		
15	500 KW Emergency Power Generator #2 (5.18 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub>	0.6		19
		SO <sub>2</sub>	1.4		
		VOC	1.7		
		CO	4.4		
		NO <sub>x</sub>	20.1		
16	OIS Power Generator #2 (14.42 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub>	4.5	1.4	22
		SO <sub>2</sub>	4.2	1.3	
		VOC	5.2	1.6	
		CO	13.7	4.1	
		NO <sub>x</sub>	63.6	18.8	

**Facility: Arkansas Children's Hospital**  
**Permit No.: 1923-AOP-R0**  
**AFIN: 60-00689**

### **Section III:PERMIT HISTORY**

Permit #395-I, issued on July 16, 1985, allowed ACH to operate a medical incinerator.

Permit #395-IR-1, issued on June 1, 1995, permitted the equipment change to a new incinerator.

On September 10, 1998, a CAO was issued to ACH due to deficiencies in records and permit violations. The CAO required ACH to submit a new application that included provisions for monitoring, protocols for continuous emissions monitors, and details pertaining to other previously unpermitted emission sources.

Permit #1923-A was issued to ACH on September 12, 2000. The incinerator was permitted to only process pathological wastes with a 20% maximum plastic contents. Due to the difficulties and hazards of monitoring the pathological waste stream, ACH has requested to discontinue surveys of each charge. The surveys have previously been required to show compliance with the 20% plastic limit. The request is granted by this permitting action on the basis that the pathological waste stream of a large hospital should remain consistent and the fact that this system has been specifically designed for this type of waste. Pollution control systems are adequately designed and calculations show that the requested plastic incineration will have insignificant contributions to dioxin and furan emissions. Only annual surveys will now be required to maintain compliance. Other issues addressed in this permitting action include a clarification in classes of wastes that will be allowed and an increase in permitted operating hours. Also, the permit addresses emissions resulting from boilers and emergency electrical generating equipment at ACH. The predominant pollutant at the facility is NO<sub>x</sub> which is emitted at a rate of 90.3 TPY.

Permit #1923-AR-1 was issued on March 10, 2005. ACH requested to remove the medical waste incinerator (SN-01), a 150 KW electric generator (SN-11), and a 155 KW electric generator (SN-13). ACH requested the replacement of Steam Boiler #4 with a 21.0 MMBTU/hr boiler and to install two new 5.18 MMBTU/hr electric generators (SN-14 and SN-15). In order to address potential emergencies, the permitted annual #2 Distillate Fuel Oil limit was increased to 591,00 gallons. Permitted SO<sub>2</sub>, VOC, and NO<sub>x</sub> emissions increased by 21.0 tpy, 0.3 tpy, and 3.9 tpy respectively. Permitted PM/PM<sub>10</sub> and CO emissions decreased by 3.8 tpy and 1.4 tpy, respectively.

## Section IV: SPECIFIC CONDITIONS

### SN-02, SN-03, and SN-04

#### Steam Boilers (#1 through #4 and 750 BHP Boiler)

##### Description

ACH operates 5 steam boilers for the purpose of atmospheric heat and humidity control. Steam boilers No. 1 and 3 are 500 BHP Kewanee Firetube Steam Boilers. Boiler No. 2 is a 250 BHP Kewanee Firetube Boiler. Boiler No. 4 is a 500 BHP Hurst Firetube Boiler. A 750 BHP Kewanee Firetube Steam Boiler is located at the Energy Building. Each boiler is permitted for operation with natural gas and No. 2 distillate oil. Boiler No. 4 discharges through vent stack SN-02. Boilers No. 1, 2, and 3 discharge through vent stack SN-03 and the energy building boiler discharges emissions through SN-04. No. 2 Distillate Oil is stored in a 10,152 gallon underground storage tank and any of various smaller day tanks.

##### Specific Conditions

- The permittee shall not exceed the emission rates set forth in the following table. Compliance with the hourly and annual limits is demonstrated based on maximum hourly fuel consumption and compliance with Specific Condition #4. [Regulation No. 19 §19.501 *et seq.* effective December 19, 2004, and 40 CFR Part 52, Subpart E]

**Table 4 – Maximum Criteria Emission Limits for Steam Boilers**

SN	Description	Pollutant	lb/hr	tpy
02	Steam Boiler #4 (21 MMBTU/hr Primary Fuel: Natural Gas Secondary Fuel: #2 Distillate Oil)	PM <sub>10</sub>	0.3	2.3 4.5 1.6 23.5 28.8
		SO <sub>2</sub>	10.5	
		VOC	0.2	
		CO	1.8	
		NO <sub>x</sub>	3.0	
03	Steam Boilers #1 (16.74 MMBTU/hr Primary Fuel: Natural Gas Secondary Fuel: #2 Distillate)	PM <sub>10</sub>	0.3	
		SO <sub>2</sub>	8.4	
		VOC	0.1	
		CO	1.4	
		NO <sub>x</sub>	2.4	
	Steam Boiler #2 (8.37 MMBTU/hr Primary Fuel: Natural Gas Secondary Fuel: #2 Distillate)	PM <sub>10</sub>	0.2	
		SO <sub>2</sub>	4.2	
		VOC	0.1	
		CO	0.7	
		NO <sub>x</sub>	1.2	
	Steam Boiler #3 (16.74 MMBTU/hr Primary Fuel: Natural Gas Secondary Fuel: #2 Distillate)	PM <sub>10</sub>	0.3	
		SO <sub>2</sub>	8.4	
		VOC	0.1	
		CO	1.4	
		NO <sub>x</sub>	2.4	

Facility: Arkansas Children's Hospital  
 Permit No.: 1923-AOP-R0  
 AFIN: 60-00689

SN	Description	Pollutant	lb/hr	tpy
04	750 BHP Steam Boiler (25.1 MMBTU/hr Primary Fuel: Natural Gas Secondary Fuel: #2 Distillate Oil)	PM/PM <sub>10</sub>	0.4	0.9
		SO <sub>2</sub>	12.1	2.2
		VOC	0.2	0.7
		CO	2.2	9.4
		NO <sub>x</sub>	3.6	11.6

2. The permittee shall not exceed the emission rates set forth in the following table. Compliance with the hourly and annual limits is demonstrated based on maximum hourly fuel consumption and compliance with Specific Condition #4. [Regulation No. 18 §18.801, effective February 15, 1999, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

**Table 5 – Maximum Non-Criteria Emission Limits for Steam Boilers**

SN	Description	Pollutant	lb/hr	tpy
02	Steam Boiler #4	PM	0.3	2.3
03	Steam Boilers #1	PM	0.3	
	Steam Boiler #2)	PM	0.2	
	Steam Boiler #3	PM	0.3	
04	750 BHP Steam Boiler	PM	0.4	0.9

3. Visible emissions may not exceed the limits specified in the following table of this permit as measured by EPA Reference Method 9. [A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

**Table 6 – Visible Emission Limits for Steam Boilers**

SN	Opacity Limit Natural Gas	Opacity Limit #2 Distillate Oil	Regulatory Citation Natural Gas	Regulatory Citation #2 Distillate Oil
02	5%	20%	§18.501	§19.503
03	5%	20%	§18.501	§19.503
04	5%	20%	§18.501	§19.503

4. The permittee shall not exceed the natural gas and fuel oil combustion limits and the fuel sulfur content set by the following table. [Regulation No. 19 §19.705 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

**Table 7 – Boiler Annual Fuel Usage Limits and Maximum Allowable Sulfur Content**

SN	Consecutive 12 month Combustion Limit Natural Gas (MMscf)	Consecutive 12 month Combustion Limit #2 Distillate Oil (gallons)	Maximum Sulfur Content in #2 Distillate Fuel Oil (wt %)
02	548.0	120,000	0.5
03			
04	219.9	60,000	0.5

5. The permittee shall maintain monthly records which demonstrate compliance with the fuel limits established in Specific Condition #4. The records shall be updated by the 15th

Facility: Arkansas Children's Hospital  
Permit No.: 1923-AOP-R0  
AFIN: 60-00689

of the month following the month to which the records pertain. The records shall be kept on site and made available to Department personnel upon request. Furthermore, a report shall be submitted in accordance with General Provision #7. [Regulation No. 19 §19.705 and A.C.A. §8-4-203 as referenced by §8 4 304 and §8 4 311]

6. The permittee shall demonstrate compliance with the maximum sulfur content in #2 distillate fuel oil as established in Specific Condition #4 by retaining the fuel certifications from the supplier each time a fuel shipment is received. Records shall be kept onsite and made available to Department personnel upon request. [Regulation No. 19 §19.705 and A.C.A. §8-4-203 as referenced by §8 4 304 and §8 4 311]

### NSPS Requirements

7. The boilers at SN-02 and SN-04 are affected sources of 40 CFR Part 60, Subpart Dc – *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*. The permittee shall comply with all applicable standards and monitoring, compliance, and recordkeeping requirements of 40 CFR Part 60, Subpart Dc including but not limited to the following: [Regulation No. 19 §19.304 and 40 CFR §60.40c (a)]
  - a. The permittee shall not cause to be discharged into the atmosphere any gas that contains SO<sub>2</sub> in excess of 0.50 lb/MMBTU heat input while combusting oil; or as an alternative, the permittee shall not combust oil that contains greater than 0.5 weight percent sulfur. The permittee does not qualify for the percent reduction requirements of Subpart Dc. [Regulation No. 19 §19.304 and 40 CFR §60.42c (d)]
  - b. The permittee may demonstrate compliance with the SO<sub>2</sub> emission limit or fuel oil sulfur limit based on certification from the fuel supplier, as described under §60.48c (f). Otherwise the permittee shall demonstrate compliance through the applicable requirements of §60.44c. [Regulation No. 19 §19.304 and 40 CFR §60.42c (h)(1)]
  - c. The fuel supplier certification shall include the name of the supplier and a statement from the supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c. [Regulation No. 19 §19.304 and 40 CFR §60.48c (f)(1)]
  - d. The permittee is subject to the SO<sub>2</sub> and/or fuel oil sulfur limits at all times including periods of startup, shutdown, and malfunction. [Regulation No. 19 §19.304 and 40 CFR §60.42c (i)]
  - e. The permittee shall record and maintain records of the amounts of oil combusted during each day. These records shall be kept for a period of no less than two years. These records shall be kept on site, updated daily, and made available to Department personnel upon request. This condition does not supersede General Condition #5. [Regulation No. 19 §19.304 and 40 CFR §60.48c (g) and (i)]

**Facility: Arkansas Children's Hospital**  
**Permit No.: 1923-AOP-R0**  
**AFIN: 60-00689**

## SN-05 and SN-06

### Gas Turbines #1 and #2

#### Description

ACH has two Detroit Allison Model ASP 729 Gas Turbine Engines used for emergency electrical power generation only. The engines use No. 2 distillate oil and are capable of producing 2500 kW-hr and 3100 kW-hr. They vent through SN-05 and SN-06 respectively. The turbines are run several times per year for equipment checks. Fuel is stored in any of three above ground 8,000 gallon storage tanks or any of various smaller day tanks.

#### Specific Conditions

8. The permittee shall not exceed the emission rates set forth in the following table. Compliance with the hourly and annual limits is demonstrated based on maximum hourly fuel consumption and compliance with Specific Condition #11. [Regulation No. 19 §19.501 *et seq.* effective December 19, 2004, and 40 CFR Part 52, Subpart E]

**Table 8 – Maximum Criteria Emission Limits for Gas Turbines #1 and #2**

SN	Description	Pollutant	lb/hr	tpy
05	Gas Turbine #1 (57 MMBTU/hr #2 Distillate Oil Only)	PM <sub>10</sub>	0.4	0.2 16.0 0.1 0.1 18.8
		SO <sub>2</sub>	42.7	
		VOC	0.2	
		CO	0.2	
		NO <sub>x</sub>	50.0	
06	Gas Turbine #2 (57 MMBTU/hr #2 Distillate Oil Only)	PM <sub>10</sub>	0.4	
		SO <sub>2</sub>	42.7	
		VOC	0.2	
		CO	0.2	
		NO <sub>x</sub>	50.0	

9. The permittee shall not exceed the emission rates set forth in the following table. Compliance with the hourly and annual limits is demonstrated based on maximum hourly fuel consumption and compliance with Specific Condition #11. [Regulation No. 18 §18.801, effective February 15, 1999, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

**Table 9 – Maximum Non-Criteria Emission Limits for Gas Turbine #1 and #2**

SN	Description	Pollutant	lb/hr	tpy
05	Gas Turbine #1	PM	0.4	0.2
06	Gas Turbine #2	PM	0.4	

10. Visible emissions may not exceed the limits specified in the following table of this permit as measured by EPA Reference Method 9. [A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

**Table 10 – Visible Emission Limits for Gas Turbines #1 and #2**

SN	Opacity Limit Natural Gas	Opacity Limit #2 Distillate Oil	Regulatory Citation Natural Gas	Regulatory Citation #2 Distillate Oil
05	Not Permitted	20%	N/A	§19.503
06	Not Permitted	20%	N/A	§19.503

11. The permittee shall not exceed the natural gas and fuel oil combustion limits and the fuel sulfur content set by the following table. [Regulation No. 19 §19.705 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

**Table 11 – Gas Turbine Annual Fuel Usage Limits and Maximum Allowable Sulfur Content**

SN	Consecutive 12 month Combustion Limit Natural Gas (MMscf)	Consecutive 12 month Combustion Limit #2 Distillate Oil (gallons)	Maximum Sulfur Content in #2 Distillate Fuel Oil (wt%)
05	Not Permitted	300,000	0.8
06			

12. The permittee shall maintain monthly records which demonstrate compliance with the fuel limits established in Specific Condition #11. The records shall be updated by the 15th of the month following the month to which the records pertain. The records shall be kept on site and made available to Department personnel upon request. [Regulation No. 19 §19.705 and A.C.A. §8-4-203 as referenced by §8 4 304 and §8 4 311]
13. The permittee shall demonstrate compliance with the maximum sulfur content in #2 distillate fuel oil as established in Specific Condition #11 by retaining the fuel certifications from the supplier each time a fuel shipment is received. Records shall be kept onsite and made available to Department personnel upon request. [Regulation No. 19 §19.705 and A.C.A. §8-4-203 as referenced by §8 4 304 and §8 4 311]

### **NSPS Requirements**

14. The stationary gas turbines at SN-05 and SN-06 are affected source of 40 CFR Part 60, Subpart GG – *Standards of Performance for Stationary Gas Turbines*. The permittee shall comply with all applicable standards and monitoring, compliance, and recordkeeping requirements of 40 CFR Part 60, Subpart GG including but not limited to the following: [Regulation No. 19 §19.304 and 40 CFR §60.330 (a) and (b)]
- The permittee shall not combust fuel oil in electric generators SN-05 and SN-06 that contains total sulfur in excess of 0.8 percent by weight. [Regulation No. 19 §19.304 and 40 CFR §60.333 (b)]
  - The permittee may demonstrate compliance with the SO<sub>2</sub> emission limit or fuel oil sulfur limit based on certification from the fuel supplier. [Regulation No. 19 §19.304 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

**Facility: Arkansas Children's Hospital**  
**Permit No.: 1923-AOP-R0**  
**AFIN: 60-00689**

- c. The permittee shall not operate electric generators SN-05 and SN-06 for purposes other than emergencies (i.e. the local electric provider cannot supply the power demanded by ACH). The only exception to this condition will be for periodic testing of equipment. [Regulation No. 19 §19.304 and 40 CFR Part §60.332 (g)]
- d. The permittee shall maintain records of the amounts of oil combusted during each period of emergency. These records shall be kept on site, updated daily, and made available to Department personnel upon request. The permittee shall include in the report required for §60.7 (c) for each period, the type, reasons, and duration of the firing of the emergency fuel. [Regulation No. 19 §19.705, A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, and 40 CFR §60.334 (j)(4)]

**SN-07, SN-08, SN-09, SN-10, SN-12, SN-14, and SN-15**

**Emergency Power Generators**

**Description**

ACH has four Caterpillar 375 horsepower diesel engine powered generators on site for emergency power supply. Each set can produce 250 kW-hr of power. Each engine is tested weekly for proper operation. Each engine exhausts separately from SN-07, SN-08, SN-09, and SN-10.

An 88 horsepower Cummins-Onan emergency generator is located at the energy building. This diesel engine and generator can produce 62.5 kW-hr. The engine is tested weekly and only run in emergency situations. The engine exhausts through stack SN-12.

ACH installed two 500 kW emergency power generators (SN-14 and SN-15) in June of 2003. Both generators are Caterpillar Model No. 3412. Each engine exhausts through its own stack.

Generator engine fuel is stored in any of three above ground 8,000 gallon storage tanks or any of various smaller day tanks.

**Specific Conditions**

15. The permittee shall not exceed the emission rates set forth in the following table. Compliance with the hourly and annual limits is demonstrated based on maximum hourly fuel consumption and compliance with Specific Condition #18. [Regulation No. 19 §19.501 *et seq.* effective December 19, 2004, and 40 CFR Part 52, Subpart E]

**Table 12 – Maximum Criteria Emission Limits for Emergency Generators**

SN	Description	Pollutant	lb/hr	tpy
07	250 KW Emergency Power Generator #1 (2.55 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub>	0.8	1.3 1.2 1.5 3.8 17.6
		SO <sub>2</sub>	0.8	
		VOC	1.0	
		CO	2.5	
		NO <sub>x</sub>	11.3	
08	250 KW Emergency Power Generator #2 (2.55 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub>	0.8	
		SO <sub>2</sub>	0.8	
		VOC	1.0	
		CO	2.5	
		NO <sub>x</sub>	11.3	
09	250 KW Emergency Power Generator #3 (2.55 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub>	0.8	
		SO <sub>2</sub>	0.8	
		VOC	1.0	
		CO	2.5	
		NO <sub>x</sub>	11.3	
10	250 KW Emergency Power	PM/PM <sub>10</sub>	0.8	

Facility: Arkansas Children's Hospital  
Permit No.: 1923-AOP-R0  
AFIN: 60-00689

SN	Description	Pollutant	lb/hr	tpy
	Generator #4 (2.55 MMBTU/hr #2 Distillate Oil Only)	SO <sub>2</sub> VOC CO NO <sub>x</sub>	0.8 1.0 2.5 11.3	
12	62.5 KW Emergency Power Generator (0.57 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub> SO <sub>2</sub> VOC CO NO <sub>x</sub>	0.2 0.2 0.2 0.6 2.5	0.2 0.2 0.2 0.4 1.6
14	500 KW Emergency Power Generator #1 (5.18 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub> SO <sub>2</sub> VOC CO NO <sub>x</sub>	0.6 1.4 1.7 4.4 20.1	1.1 1.1 1.3 3.4 15.7
15	500 KW Emergency Power Generator #2 (5.18 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub> SO <sub>2</sub> VOC CO NO <sub>x</sub>	0.6 1.4 1.7 4.4 20.1	

16. The permittee shall not exceed the emission rates set forth in the following table. Compliance with the hourly and annual limits is demonstrated based on maximum hourly fuel consumption and compliance with Specific Condition #18. [Regulation No. 18 §18.801, effective February 15, 1999, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

**Table 13 – Maximum Non-Criteria Emission Limits for Emergency Generators**

SN	Description	Pollutant	lb/hr	tpy
07	250 KW Emergency Power Generator #1	PM	0.8	1.3
08	250 KW Emergency Power Generator #2	PM	0.8	
09	250 KW Emergency Power Generator #3	PM	0.8	
10	250 KW Emergency Power Generator #4	PM	0.8	
12	62.5 KW Emergency Power Generator	PM	0.2	0.2
14	500 KW Emergency Power Generator #8	PM	0.6	1.1
15	500 KW Emergency Power Generator #9	PM	0.6	

Facility: Arkansas Children's Hospital  
 Permit No.: 1923-AOP-R0  
 AFIN: 60-00689

17. Visible emissions may not exceed the limits specified in the following table of this permit as measured by EPA Reference Method 9. [A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

**Table 14 – Visible Emission Limits for Gas Turbines #1 and #2**

SN	Opacity Limit Natural Gas	Opacity Limit #2 Distillate Oil	Regulatory Citation Natural Gas	Regulatory Citation #2 Distillate Oil
07	Not Permitted	20%	N/A	§19.503
08	Not Permitted	20%	N/A	§19.503
09	Not Permitted	20%	N/A	§19.503
10	Not Permitted	20%	N/A	§19.503
12	Not Permitted	20%	N/A	§19.503
14	Not Permitted	20%	N/A	§19.503
15	Not Permitted	20%	N/A	§19.503

18. The permittee shall not exceed the natural gas and fuel oil combustion limits and the fuel sulfur content set by the following table. [Regulation No. 19 §19.705 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

**Table 15 – Gas Turbine Annual Fuel Usage Limits and Maximum Allowable Sulfur Content**

SN	Consecutive 12 month Combustion Limit Natural Gas (MMscf)	Consecutive 12 month Combustion Limit #2 Distillate Oil (gallons)	Maximum Sulfur Content in #2 Distillate Fuel Oil (wt%)
07	Not Permitted	56,000	0.3
08	Not Permitted		
09	Not Permitted		
10	Not Permitted		
12	Not Permitted	5,000	0.3
14	Not Permitted	50,000	0.3
15	Not Permitted		

19. The permittee shall maintain monthly records which demonstrate compliance with the fuel limits established in Specific Condition #18. The records shall be updated by the 15th of the month following the month to which the records pertain. The records shall be kept on site and made available to Department personnel upon request. [Regulation No. 19 §19.705 and A.C.A. §8-4-203 as referenced by §8 4 304 and §8 4 311]
20. The permittee shall demonstrate compliance with the maximum sulfur content in #2 distillate fuel oil as established in Specific Condition #18 by retaining the fuel certifications from the supplier each time a fuel shipment is received. Records shall be kept onsite and made available to Department personnel upon request. [Regulation No. 19 §19.705 and A.C.A. §8-4-203 as referenced by §8 4 304 and §8 4 311]

## SN-16

### Office Building Generator

#### Description

The Office Building Generator is a 2,030 hp electric generator capable of producing 1,400 kW-hours. The engine exhausts through its own stack. The generator is permitted for a maximum annual fuel usage of 60,000 gallons of #2 Distillate Fuel Oil. The fuel is stored in a 2,800 gallon tank. There are no restrictions on the operation of this generator.

#### Specific Conditions

21. The permittee shall not exceed the emission rates set forth in the following table. Compliance with the hourly and annual limits is demonstrated based on maximum hourly fuel consumption and compliance with Specific Condition #24. [Regulation No. 19 §19.501 *et seq.* effective December 19, 2004, and 40 CFR Part 52, Subpart E]

**Table 16 – Maximum Criteria Emission Limits for Emergency Generators**

SN	Description	Pollutant	lb/hr	tpy
16	OIS Power Generator #2 (14.42 MMBTU/hr #2 Distillate Oil Only)	PM/PM <sub>10</sub>	4.5	1.4
		SO <sub>2</sub>	4.2	1.3
		VOC	5.2	1.6
		CO	13.7	4.1
		NO <sub>x</sub>	63.6	18.8

22. The permittee shall not exceed the emission rates set forth in the following table. Compliance with the hourly and annual limits is demonstrated based on maximum hourly fuel consumption and compliance with Specific Condition #24. [Regulation No. 18 §18.801, effective February 15, 1999, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

**Table 17 – Maximum Non-Criteria Emission Limits for Emergency Generators**

SN	Description	Pollutant	lb/hr	tpy
16	OIS Power Generator #2	PM	4.5	1.4

23. Visible emissions may not exceed the limits specified in the following table of this permit as measured by EPA Reference Method 9. [A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

**Table 18 – Visible Emission Limits for Gas Turbines #1 and #2**

SN	Opacity Limit Natural Gas	Opacity Limit #2 Distillate Oil	Regulatory Citation Natural Gas	Regulatory Citation #2 Distillate Oil
16	Not Permitted	20%	N/A	§19.503

Facility: Arkansas Children's Hospital  
Permit No.: 1923-AOP-R0  
AFIN: 60-00689

24. The permittee shall not exceed the natural gas and fuel oil combustion limits and the fuel sulfur content set by the following table. [Regulation No. 19 §19.705 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

**Table 19 – Gas Turbine Annual Fuel Usage Limits and Maximum Allowable Sulfur Content**

SN	Consecutive 12 month Combustion Limit Natural Gas (MMscf)	Consecutive 12 month Combustion Limit #2 Distillate Oil (gallons)	Maximum Sulfur Content in #2 Distillate Fuel Oil (wt%)
16	Not Permitted	60,000	0.3

25. The permittee shall maintain monthly records which demonstrate compliance with the fuel limits established in Specific Condition #24. The records shall be updated by the 15th of the month following the month to which the records pertain. The records shall be kept on site and made available to Department personnel upon request. [Regulation No. 19 §19.705 and A.C.A. §8-4-203 as referenced by §8 4 304 and §8 4 311]
26. The permittee shall demonstrate compliance with the maximum sulfur content in #2 distillate fuel oil as established in Specific Condition #24 by retaining the fuel certifications from the supplier each time a fuel shipment is received. Records shall be kept onsite and made available to Department personnel upon request. [Regulation No. 19 §19.705 and A.C.A. §8-4-203 as referenced by §8 4 304 and §8 4 311]

**Facility:** Arkansas Children's Hospital  
**Permit No.:** 1923-AOP-R0  
**AFIN:** 60-00689

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

Arkansas Children's Hospital 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.

## **Section VI: PLANT WIDE CONDITIONS**

1. The permittee will 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 No. 19 §19.704, 40 CFR Part 52, Subpart E, and A.C.A. §8-4-203 as referenced by §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 No. 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 will submit the compliance test results to the Department within thirty (30) days after completing the testing. [Regulation No. 19 §19.702 and/or Regulation No. 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 No. 19 §19.702 and/or Regulation No. 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 will maintain the equipment in good condition at all times. [Regulation No. 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 No. 26 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

## **Title VI Provisions**

7. The permittee must comply with the standards for labeling of products using ozone-depleting substances. [40 CFR Part 82, Subpart E]

**Facility: Arkansas Children's Hospital**  
**Permit No.: 1923-AOP-R0**  
**AFIN: 60-00689**

- a. All containers containing a class I or class II substance stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced to interstate commerce pursuant to §82.106.
  - b. The placement of the required warning statement must comply with the requirements pursuant to §82.108.
  - c. The form of the label bearing the required warning must comply with the requirements pursuant to §82.110.
  - d. No person may modify, remove, or interfere with the required warning statement except as described in §82.112.
8. The permittee must comply with the standards for recycling and emissions reduction, except as provided for MVACs in Subpart B. [40 CFR Part 82, Subpart F]
  - a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.
  - b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.
  - c. Persons performing maintenance, service repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.
  - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to §82.166. (“MVAC-like appliance” as defined at §82.152.)
  - e. Persons owning commercial or industrial process refrigeration equipment must comply with leak repair requirements pursuant to §82.156.
  - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.
9. If the permittee manufactures, transforms, destroys, imports, or exports a class I or class II substance, the permittee is subject to all requirements as specified in 40 CFR Part 82, Subpart A, Production and Consumption Controls.
10. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

**Facility:** Arkansas Children's Hospital  
**Permit No.:** 1923-AOP-R0  
**AFIN:** 60-00689

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

11. The permittee can switch from any ozone-depleting substance to any alternative listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR Part 82, Subpart G, "Significant New Alternatives Policy Program".

#### **Permit Shield**

12. 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:
  - a. The permit specifically identifies the following as applicable requirements based upon the information submitted by the permittee in an application dated August 10, 2005.

**Table 20 - Applicable Regulations**

<b>Source No.</b>	<b>Regulation</b>	<b>Description</b>
Facility	Regulation No. 19	Regulations of the Arkansas Plan of Implementation for Air Pollution Control
02, 04	40 CFR Part 60, Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units
05, 05	40 CFR Part 60, Subpart GG	Standards of Performance for Gas Turbines

Facility: Arkansas Children's Hospital  
Permit No.: 1923-AOP-R0  
AFIN: 60-00689

## Section VII: INSIGNIFICANT ACTIVITIES

The following sources are insignificant activities. Any activity that has a state or federal applicable requirement is 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 **8/10/2005**.

**Table 21 - Insignificant Activities**

<b>Description</b>	<b>Category</b>
Laboratory Hoods (56)	A-6
Diesel Fuel Tank 10,000 gallon	A-4
Jet Fuel Storage Tank 6,000 gallon	A-4
Diesel Fuel Tank 8,000 gallon	A-4
Diesel Fuel Tank 8,000 gallon	A-4
Diesel Fuel Tank 8,000 gallon	A-4
Diesel Fuel Tank 1,000 gallon	A-4
Diesel Fuel Tank 1,000 gallon	A-4
Diesel Fuel Tank 2,800 gallon	A-4

Pursuant to §26.304 of Regulation 26, the Department determined the emission units, operations, or activities contained in Regulation 19, Appendix A, Group B, to be insignificant activities. Activities included in this list are allowable under this permit and need not be specifically identified.

### Section VIII: GENERAL PROVISIONS

1. Any terms or conditions included in this permit which specify and reference Arkansas Pollution Control & Ecology Commission Regulation No. 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 September 26, 2002]
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 No. 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 No. 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 No. 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.

**Facility: Arkansas Children's Hospital**  
**Permit No.: 1923-AOP-R0**  
**AFIN: 60-00689**

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, 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 No. 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 §26.701(C)(3)(a) of Regulation #26]

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

8. The permittee will report to the Department all deviations from permit requirements, including those attributable to upset conditions as defined in the permit.
  - a. For all upset conditions (as defined in Regulation 19.601), the permittee will 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:
    - i. The facility name and location,
    - ii. The process unit or emission source deviating from the permit limit,
    - iii. The permit limit, including the identification of pollutants, from which deviation occurs,
    - iv. The date and time the deviation started,
    - v. The duration of the deviation,
    - vi. The average emissions during the deviation,
    - vii. The probable cause of such deviations,
    - viii. Any corrective actions or preventive measures taken or being taken to prevent such deviations in the future, and

- ix. The name of the person submitting the report.

The permittee will 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.

- b. For all deviations, the permittee will report such events in semi-annual reporting and annual certifications required in this permit. This includes all upset conditions reported in 8a. above. The semi-annual report must include all the information as required in the initial and full report required in 8a. [40 CFR 70.6(a)(3)(iii)(B), Regulation No. 26 §26.701(C)(3)(b), Regulation No. 19 §19.601 and §19.602]
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), §26.701(E) of Regulation No. 26, and A.C.A. §8-4-203, as referenced by §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 No. 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 No. 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 No. 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 No. 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 No. 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

**Facility:** Arkansas Children's Hospital  
**Permit No.:** 1923-AOP-R0  
**AFIN:** 60-00689

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 No. 26 §26.701(F)(5)]

15. The permittee must pay all permit fees in accordance with the procedures established in Regulation No. 9. [40 CFR 70.6(a)(7) and Regulation No. 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 No. 26 §26.701(H)]
17. If the permit allows different operating scenarios, the permittee will, 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 No. 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 No. 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 No. 26 §26.2. [40 CFR 70.6(c)(1) and Regulation No. 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 No. 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.

**Facility: Arkansas Children's Hospital**  
**Permit No.: 1923-AOP-R0**  
**AFIN: 60-00689**

21. The permittee will 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 No. 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; and
  - e. Such other facts as the Department may require elsewhere in this permit or by §114(a)(3) and §504(b) of the Act.
22. Nothing in this permit will alter or affect the following: [Regulation No. 26 §26.704(C)]
  - a. The provisions of Section 303 of the Act (emergency orders), including the authority of the Administrator under that section;
  - b. The liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance;
  - c. The applicable requirements of the acid rain program, consistent with §408(a) of the Act or,
  - d. 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 §8-4-304 and §8-4-311]

Facility: Arkansas Children's Hospital  
Permit No.:  
AFIN: 60-00689

## **APPENDIX A**

**40 CFR Part 60, Subpart Dc – *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units***

Facility: Arkansas Children's Hospital  
Permit No.:  
AFIN: 60-00689

## **APPENDIX B**

### **40 CFR Part 60, Subpart GG – *Standards of Performance for Stationary Gas Turbines***