

# ADEQ OPERATING AIR PERMIT

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

Permit #: 1202-AOP-R1

IS ISSUED TO:

Reliant Energy Gas Transmission - Taylor Compressor Station  
13000 Highway 160, 4 Miles East of Taylor  
Taylor, AR 71861  
Columbia County  
CSN: 14-0186

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:

October 12, 1998      and      October 11, 2003

AND IS SUBJECT TO ALL LIMITS AND CONDITIONS CONTAINED HEREIN.

Signed:

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Keith A. Michaels

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Date Modified

**SECTION I: FACILITY INFORMATION**

PERMITTEE: Reliant Energy Gas Transmission - Taylor  
Compressor Station

CSN: 14-0186

PERMIT NUMBER: 1202-AOP-R1

FACILITY MAILING ADDRESS: P.O. Box 21734, Rm 1205  
Shreveport, LA 71151

PHYSICAL LOCATION: 13000 Highway 160, 4 miles east of Taylor  
Taylor, AR 71861

COUNTY: Columbia

CONTACT POSITION: Environmental Specialist - Laura Armistead

TELEPHONE NUMBER: (318)429-3706

FAX NUMBER: (318)429-3927

REVIEWING ENGINEER: Paul Osmon

UTM North-South (Y): 3661.7 km N

UTM East-West (X): 463.8 km E

Zone 15

**Reliant Energy Gas Transmission - Taylor Compressor Station**  
**Permit #: 1202-AOP-R1**  
**CSN #: 14-0186**

## **SECTION II: INTRODUCTION**

### **Summary**

Reliant Energy Gas Transmission owns and operates a natural gas compressor station located near Taylor, Arkansas. This permit modification is issued to correct typographical errors in the initial permit, add a compliance mechanism sentence to several Specific Conditions, and to add a Plantwide Condition on unit replacement. Hazardous air pollutant limits are also revised in this permit.

### **Process Description**

Friction losses cause a drop in pressure in natural gas pipelines. To maintain flow, gas must be removed from the pipeline, compressed, and returned to the pipe. This compressor station currently uses six two-cycle lean burn 1,500 hp Clark HLA-6 compressor engines. One 554 hp 4-cycle rich burn Ingersoll-Rand PSVG-8 electrical generator supplies power to the station in the event of an electrical grid outage.

Emissions of oxides of nitrogen, carbon monoxide, and volatile organic compounds will result from the combustion of natural gas in the compressor engines and the electrical generator. This compressor station will use only natural gas in the firing of the engines and the generator. Support equipment includes several tanks which are considered to be de minimus sources of emissions.

### **Regulations**

This facility is subject to regulation under the *Clean Air Act* as amended, the *Arkansas Water and Air Pollution Control Act*, the *Arkansas Air Pollution Control Code* (Regulation 18), the *Regulations of the Arkansas Plan of Implementation for Air Pollution Control* (Regulation 19), and the *Regulation of the Arkansas Operating Air Permit Program* (Regulation 26). None of the units are subject to NSPS 40 CFR 60, Subpart GG - *Standards of Performance for Stationary Gas Turbines* since all units use reciprocating engines.

Permit #1202-AOP-R1 is the first modification to the operating permit issued to Reliant Energy Gas Transmission - Taylor Compressor Station under Regulation 26. No physical modifications occurred with the issuance of this permit. The permit includes estimations of hazardous air pollutant (HAP) emission rates based on AP-42 Table 3.2-1 UNCONTROLLED EMISSION FACTORS FOR 2-STROKE LEAN-BURN ENGINES (Concluded) and Table 3.2-3 UNCONTROLLED EMISSION FACTORS FOR 4-STROKE RICH-BURN ENGINES (Concluded) Revised July, 2000.

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The following table is a summary of emissions from the facility. Specific conditions and emissions for each source can be found starting on the page cross referenced in the table. This table, in itself, is not an enforceable condition of the permit.

EMISSION SUMMARY					
Source No.	Description	Pollutant	Emission Rates		Cross Reference Page
			lb/hr	tpy	
Total Allowable Emissions		VOC*	9.2	40.1	
		CO	83.7	267.5	
		NO <sub>x</sub>	565.5	2348.4	
		Formaldehyde	4.71	18.74	
		Benzene	0.18	0.72	
		Acetaldehyde	0.66	2.88	
01	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	VOC*	1.5	6.3	
		CO	10.0	43.6	
		NO <sub>x</sub>	89.1	390.1	
		Formaldehyde	0.77	3.12	
		Benzene	0.03	0.12	
		Acetaldehyde	0.11	0.48	
02	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	VOC*	1.5	6.3	
		CO	10.0	43.6	
		NO <sub>x</sub>	89.1	390.1	
		Formaldehyde	0.77	3.12	
		Benzene	0.03	0.12	
		Acetaldehyde	0.11	0.48	
03	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	VOC*	1.5	6.3	
		CO	10.0	43.6	
		NO <sub>x</sub>	89.1	390.1	
		Formaldehyde	0.77	3.12	
		Benzene	0.03	0.12	
		Acetaldehyde	0.11	0.48	

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EMISSION SUMMARY					
Source No.	Description	Pollutant	Emission Rates		Cross Reference Page
			lb/hr	tpy	
04	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	VOC*	1.5	6.3	
		CO	10.0	43.6	
		NO <sub>x</sub>	89.1	390.1	
		Formaldehyde	0.77	3.12	
		Benzene	0.03	0.12	
		Acetaldehyde	0.11	0.48	
05	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	VOC*	1.5	6.3	
		CO	10.0	43.6	
		NO <sub>x</sub>	89.1	390.1	
		Formaldehyde	0.77	3.12	
		Benzene	0.03	0.12	
		Acetaldehyde	0.11	0.48	
06	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	VOC*	1.5	6.3	
		CO	10.0	43.6	
		NO <sub>x</sub>	89.1	390.1	
		Formaldehyde	0.77	3.12	
		Benzene	0.03	0.12	
		Acetaldehyde	0.11	0.48	
08	Ingersoll-Rand PSVG-8 Emergency Electrical Generator Engine 4-Cycle Rich Burn	VOC*	0.2	0.1	
		CO	23.7	5.9	
		NO <sub>x</sub>	30.9	7.8	
		Formaldehyde	0.09	0.02	

\* - includes acetaldehyde, benzene, formaldehyde and other HAPS

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

ARKLA, Inc. - Taylor Compressor Station began operation in 1954.

Permit #1202-A was issued to ARKLA, Inc. - Taylor Compressor Station on November 13, 1991. This permit included 7 compressor engines, two emergency generators, blowdown emissions, and a dump storage tank. Hourly emissions were listed for each source. Facility wide annual emissions were listed. However, no annual emissions were listed for any specific piece of equipment. Emissions for sulfur dioxide, volatile organic compounds, carbon monoxide, and oxides of nitrogen.

Permit #1202-AR-1 was issued on September 9, 1992 to ARKLA, Inc. - Taylor Compressor Station. This permit was issued to adjust oxides of nitrogen emission rates. The rates were raised to reflect the results obtained by the testing required in Permit #1202-A. This permit was also issued to remove one compressor engine and one emergency generator from service.

Permit No. 1202-AOP-R0 was issued on October 12, 1998 to NorAm Gas Transmission Company - Taylor Compressor Station as the first permit issued to the facility under Regulation 26. No facility changes occurred with the issuance of this permit but hazardous air pollutant limits were included for the first time in this permit. Emission limits were: VOC - 40.1 tpy, CO - 267.5 tpy, NO<sub>x</sub> - 2348.4 tpy, Acetaldehyde - 1.08 tpy, Benzene - 0.42 tpy, and Formaldehyde - 18.74 tpy.

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**SECTION IV: EMISSION UNIT INFORMATION**

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**SN-01 through SN-06**  
**Compressor Engines**

**Source Description**

Source SN-01 through SN-06 are 1500 hp Clark HLA-6 Compressor Engines which were last installed or modified in 1954. These engines are capable of running at 120% of their rated capacity and are being permitted to do so.

Negligible amounts of particulate matter, sulfur dioxide, and fugitives may be emitted by these sources. Due to the extremely low potential emission of these pollutants, numerical limits have not been included in the permit for these sources, but such emissions are not prohibited.

**Specific Conditions**

- Pursuant to §19.501 et seq of the Regulations of the Arkansas Plan of Implementation for Air Pollution Control (Regulation #19) effective February 15, 1999 and 40 CFR Part 52, Subpart E, the permittee shall not exceed the emission rates set forth in the following table. Compliance with this condition shall be demonstrated by burning natural gas for fuel and operating at or below maximum capacity (120% rated) of the equipment.

SN	Description	Pollutant	lb/hr	tpy
01	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	VOC	1.5	6.3
		CO	10.0	43.6
		NO <sub>x</sub>	89.1	390.1
02	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	VOC	1.5	6.3
		CO	10.0	43.6
		NO <sub>x</sub>	89.1	390.1
03	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	VOC	1.5	6.3
		CO	10.0	43.6
		NO <sub>x</sub>	89.1	390.1
04	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	VOC	1.5	6.3
		CO	10.0	43.6
		NO <sub>x</sub>	89.1	390.1



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SN	Description	Pollutant	lb/hr	tpy
05	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	VOC	1.5	6.3
		CO	10.0	43.6
		NO <sub>x</sub>	89.1	390.1
06	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	VOC	1.5	6.3
		CO	10.0	43.6
		NO <sub>x</sub>	89.1	390.1

2. Pursuant to §18.801 of the Arkansas Air Pollution Control Code (Regulation #18) effective February 15, 1999, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not exceed the emission rates set forth in the following table. Compliance with this conditions shall be demonstrated by burning natural gas for fuel and operating at or below maximum capacity of the equipment. The pound per hour and ton per year rates are based on maximum capacity. The HAP emissions listed for this source were 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.

SN	Description	Pollutant	lb/hr	tpy
01	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	Formaldehyde	0.77	3.12
		Benzene	0.03	0.12
		Acetaldehyde	0.11	0.48
02	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	Formaldehyde	0.77	3.12
		Benzene	0.03	0.12
		Acetaldehyde	0.11	0.48
03	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	Formaldehyde	0.77	3.12
		Benzene	0.03	0.12
		Acetaldehyde	0.11	0.48
04	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	Formaldehyde	0.77	3.12
		Benzene	0.03	0.12
		Acetaldehyde	0.11	0.48
05	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	Formaldehyde	0.77	3.12
		Benzene	0.03	0.12
		Acetaldehyde	0.11	0.48

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SN	Description	Pollutant	lb/hr	tpy
06	Clark HLA-6 1500 HP Compressor Engine 2-Cycle Lean Burn	Formaldehyde	0.77	3.12
		Benzene	0.03	0.12
		Acetaldehyde	0.11	0.48

- Pursuant to §18.501 of Regulation 18 and and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not exceed 5% opacity from sources SN-01 through SN-06 as measured by EPA Reference Method 9. Compliance with this limit will be demonstrated through compliance with Plantwide Condition No. 7.

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**SN-08**  
**Ingersoll-Rand PSVG-8 Emergency Electrical Generator**

**Source Description**

Source SN-08, an Ingersoll-Rand PSVG-8 4-Cycle Rich Burn Emergency Electrical Generator Engine, was installed or last modified in 1954. This source provides power to the station in the event of a power failure at this station.

**Specific Conditions**

4. Pursuant to §19.501 of Regulation 19 and 40 CFR Part 52, Subpart E, the permittee shall not exceed the emission rates set forth in the following table at SN-08. The pound per hour rates are based on maximum capacity and compliance with the ton per year limits will be verified by Specific Condition #7 and burning natural gas as fuel. Negligible amounts of particulate matter and sulfur dioxide may be emitted by this source. Due to the extremely low calculated potential emissions of these pollutants, numerical limits have not been included in the permit for this source, but such emissions are not prohibited.

Pollutant	lb/hr	tpy
VOC	0.2	0.1
CO	23.7	5.9
NO <sub>x</sub>	30.9	7.8

5. Pursuant to §18.501 of Regulation 18 and A.C.A §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not exceed 5% opacity from source SN-08 as measured by EPA Reference Method 9. Compliance with this limit will be demonstrated through compliance with Plantwide Condition No. 7.
6. Pursuant to §18.801 of Regulation 18 and A.C.A §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not exceed the HAP rates set forth in the following table at SN-08. The pound per hour rates are based on maximum capacity and compliance with the ton per year limits will be verified by Specific Condition No. 7. Compliance with these emission rates will also be demonstrated through compliance with Plantwide Condition No. 7. The HAP emissions listed for this source were based upon published emission factors at the time of permit issuance. Any change in these emission factors will not constitute a violation of

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the HAP emission rates listed below.

HAP	lb/hr	tpy
Formaldehyde	0.09	0.02

7. Pursuant to §19.705 of Regulation 19, and A.C.A §8-4-203 as referenced by §8-4-304 and §8-4-311, and 40 CFR 70.6, the permittee shall not operate the emergency generator more than 500 hours per year in any consecutive twelve month period.
8. Pursuant to §19.705 of Regulation 19 and 40 CFR Part 52 Subpart E, the permittee shall maintain records which demonstrate compliance with the limit set in Specific Condition No. 7 and may be used by the Department for enforcement purposes. These records shall be updated on a monthly basis, shall be kept at the nearest manned 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 No. 7.

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

Reliant Energy Gas Transmission - Taylor Compressor Station is in compliance with the applicable regulations cited in the permit application. Reliant Energy Gas Transmission - Taylor Compressor Station 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.

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**SECTION VI: PLANTWIDE CONDITIONS**

1. Pursuant to §19.704 of Regulation 19, 40 CFR Part 52, Subpart E, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the Director shall be notified in writing within thirty (30) days after construction has commenced, construction is complete, the equipment and/or facility is first placed in operation, and the equipment and/or facility first reaches the target production rate.
2. Pursuant to §19.410(B) of Regulation 19, 40 CFR Part 52, Subpart E, the Director may cancel all or part of this permit if the construction or modification authorized herein is not begun within 18 months from the date of the permit issuance or if the work involved in the construction or modification is suspended for a total of 18 months or more.
3. Pursuant to §19.702 of Regulation 19 and/or §18.1002 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, any equipment that is to be tested, unless stated in the Specific Conditions of this permit or by any federally regulated requirements, shall be tested with the following time frames: (1) Equipment to be constructed or modified shall be tested within sixty (60) days of achieving the maximum production rate, but in no event later than 180 days after initial start-up of the permitted source or (2) equipment already operating shall be tested according to the time frames set forth by the Department. The permittee shall notify the Department of the scheduled date of compliance testing at least fifteen (15) days in advance of such test. Compliance test results shall be submitted to the Department within thirty (30) days after the completed testing.
4. Pursuant to §19.702 of Regulation 19 and/or §18.1002 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, the permittee shall provide:
  - a. Sampling ports adequate for applicable test methods
  - b. Safe sampling platforms
  - c. Safe access to sampling platforms
  - d. Utilities for sampling and testing equipment
5. Pursuant to §19.303 of Regulation 19 and A.C.A. §8-4-203 as referenced by A.C. A. §8-4-304 and §8-4-311, the equipment, control apparatus and emission monitoring equipment shall be operated within their design limitations and maintained in good condition at all times.

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6. Pursuant to Regulation 26 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, this permit subsumes and incorporates all previously issued air permits for this facility.
7. Pursuant to §19.705 of Regulation 19, and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, and 40 CFR 70.6, pipeline quality natural gas shall be the only fuel used to fire the compressor engines at this facility. Pipeline quality natural gas is defined as gas which contains less than 0.3 grains/100 SCF of H<sub>2</sub>S and that H<sub>2</sub>S constitutes greater than 50% by weight of the sulfur by weight in the natural gas.
8. Pursuant to §19.702 of Regulation 19 and 40 CFR Part 52, Subpart E, the permittee shall simultaneously conduct tests for CO and NO<sub>x</sub> on half of the six compressor engines every 5 years. The initial test was completed within 180 days of the issuance of the first Regulation 26 permit. EPA Reference Method 7E shall be used to determine NO<sub>x</sub> and EPA Reference Method 10 shall be used to determine CO. The permittee shall test the engine within 90% of its rated capacity. If the engine is not tested within this range, the permittee shall be limited to operating within 10% above the tested rate. The Department reserves the right to select the engine(s) to be tested. The engine(s) tested shall be rotated so that no engine(s) is tested twice before another engine is tested once. If the tested emission rate for any pollutant is in excess of the permitted emission rate, all engines shall be tested for that pollutant.
9. Pursuant to §19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and A.C.A. §8-4-311, the permittee may replace any existing engines on a temporary or permanent basis with engines which have the same or lower emission rates on a pound per hour basis, and have the same or lower horsepower, and which result in the same or lower actual emissions from the facility on pound per hour basis and which do not exceed permitted emissions on a ton per year basis. The permittee shall conduct NO<sub>x</sub> and CO emission testing with 90 days of the date of replacement to verify the emissions from the newly installed engine. The testing shall be conducted in accordance with EPA Reference methods 7E for NO<sub>x</sub> and 10 for CO. The permittee shall notify ADEQ of the replacement within 30 days of startup. This does not apply to modifications which must go through a PSD review as defined in 40 CFR 52.21. Notwithstanding the above, as provided by Regulation 26, in the event an emergency occurs, the permittee shall have an affirmative defense of emergency to an action brought for non-compliance with technology-based emission limitations if the conditions of Regulation 26, Section 7(f) are met.

***Permit Shield***

10. Compliance with the conditions of this permit shall be deemed compliance with all

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applicable requirements, as of the date of permit issuance, included in and specifically identified in item A of this condition:

- A. The following have been specifically identified as applicable requirements based upon information submitted by the permittee in an application dated February 10, 1997.

Source No.	Regulation	Description
Facility Wide	19	Compilation of Regulations of the Arkansas State Implementation Plan for Air Pollution Control
Facility Wide	26	Regulations of the Arkansas Operating Air Permit Program

- B. The following requirements have been specifically identified as not applicable, based upon information submitted by the permittee in an application dated February 10, 1997.

Description of Regulation	Regulatory Citation	Affected Source	Basis for Determination
New Source Performance Standards for Storage Vessels for Petroleum Liquids	40 CFR 60, Subpart K	Facility	No storage tanks have a capacity greater than 40,000 gallons.
New Source Performance Standards for Storage Vessels for Petroleum Liquids	40 CFR 60, Subpart Ka	Facility	No storage tanks have a capacity greater than 40,000 gallons.
New Source Performance Standards for Volatile Organic Liquid Storage Vessels	40 CFR 60, Subpart Kb	Facility	No storage tanks have a capacity greater than 40 m <sup>3</sup> .
New Source Performance Standards for Stationary Gas Turbines	40 CFR 60, Subpart GG	Facility	This facility does not have any stationary gas turbines.

- C. Nothing shall alter or affect the following:

Provisions of Section 303 of the Clean Air Act;

The liability of an owner or operator for any violation of applicable requirements prior to or at the time of permit issuance;



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The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; or

The ability of the EPA to obtain information under Section 114 of the Clean Air Act.

**Title VI Provisions**

11. The permittee shall comply with the standards for labeling of products using ozone depleting substances pursuant to 40 CFR Part 82, Subpart E:
  - 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.
  
12. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:
  - 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

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refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.

13. 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.
14. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

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

15. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program.

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**SECTION VII: INSIGNIFICANT ACTIVITIES**

Pursuant to §26.304 of Regulation 26, the following sources are insignificant activities. Insignificant and trivial activities will be allowable after approval and federal register notice publication of a final list as part of the operating air permit program. Any activity for which a state or federal applicable requirement applies is not insignificant even if this activity meets the criteria of §304 of Regulation 26 or is listed below. Insignificant activity determinations rely upon the information submitted by the permittee in an application dated February 10, 1997.

- slop storage (vapor pressure = 0.01 psia) materials tank with a capacity of 8,820 gallons
- lube oil (vapor pressure = 0.01 psia) tank with a capacity of 7,000 gallons
- 2 glycol (vapor pressure 0.005 psia) tanks each with a capacity of 8,820 gallons
- blowdown and fugitive emissions
- Smart Ash 100 Incinerator

Pursuant to §26.304 of Regulation 26, the following emission units, operations, or activities have been determined by the Department to be insignificant activities. Activities included in this list are allowable under this permit and need not be specifically identified.

1. Combustion emissions from propulsion of mobile sources and emissions from refueling these sources unless regulated by Title II and required to obtain a permit under Title V of the federal Clean Air Act, as amended. This does not include emissions from any transportable units, such as temporary compressors or boilers. This does not include emissions from loading racks or fueling operations covered under any applicable federal requirements.
2. Air conditioning and heating units used for comfort that do not have applicable requirements under Title VI of the Act.
3. Ventilating units used for human comfort that do not exhaust air pollutants into the ambient air from any manufacturing/industrial or commercial process.
4. Non-commercial food preparation or food preparation at restaurants, cafeterias, or caterers, etc.
5. Consumer use of office equipment and products, not including commercial printers or

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- business primarily involved in photographic reproduction.
6. Janitorial services and consumer use of janitorial products.
  7. Internal combustion engines used for landscaping purposes.
  8. Laundry activities, except for dry-cleaning and steam boilers.
  9. Bathroom/toilet emissions.
  10. Emergency (backup) electrical generators at residential locations.
  11. Tobacco smoking rooms and areas.
  12. Blacksmith forges.
  13. Maintenance of grounds or buildings, including: lawn care, weed control, pest control, and water washing activities.
  14. Repair, up-keep, maintenance, or construction activities not related to the sources' primary business activity, and not otherwise triggering a permit modification. This may include, but is not limited to such activities as general repairs, cleaning, painting, welding, woodworking, plumbing, re-tarring roofs, installing insulation, paved/paving parking lots, miscellaneous solvent use, application of refractory, or insulation, brazing, soldering, the use of adhesives, grinding, and cutting.<sup>1</sup>
  15. Surface-coating equipment during miscellaneous maintenance and construction activities. This activity specifically does not include any facility whose primary business activity is surface-coating or includes surface-coating or products.
  16. Portable electrical generators that can be "moved by hand" from one location to another.<sup>2</sup>
  17. Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning, or machining wood, metal, or plastic.

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<sup>1</sup> Cleaning and painting activities qualify if they are not subject to VOC or HAP control requirements. Asphalt batch plant owners/operators must get a permit.

<sup>2</sup> "Moved by hand" means that it can be moved by one person without assistance of any motorized or non-motorized vehicle, conveyance, or device.

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18. Brazing or soldering equipment related to manufacturing activities that do not result in emission of HAPs.<sup>3</sup>
19. Air compressors and pneumatically operated equipment, including hand tools.
20. Batteries and battery charging stations, except at battery manufacturing plants.
21. Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOCs or HAPs.<sup>4</sup>
22. Storage tanks, reservoirs, and pumping and handling equipment of any size containing soaps, vegetable oil, grease, animal fat, and no volatile aqueous salt solutions, provided appropriate lids and covers are used and appropriate odor control is achieved.
23. Equipment used to mix and package soaps, vegetable oil, grease, animal fat, and non-volatile aqueous salt solutions, provided appropriate lids and covers are used and appropriate odor control is achieved.
24. Drop hammers or presses for forging or metalworking.
25. Equipment used exclusively to slaughter animals, but not including other equipment at slaughter-houses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.
26. Vents from continuous emissions monitors and other analyzers.
27. Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.
28. Hand-held applicator equipment for hot melt adhesives with no VOCs in the adhesive.
29. Lasers used only on metals and other materials which do not emit HAPs in the process.

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<sup>3</sup> Brazing, soldering, and welding equipment, and cutting torches related to manufacturing and construction activities that emit HAP metals are more appropriate for treatment as insignificant activities based on size or production thresholds. Brazing, soldering, and welding equipment, and cutting torches related directly to plant maintenance and upkeep and repair or maintenance shop activities that emit HAP metals are treated as trivial and listed separately in this appendix.

<sup>4</sup> Exemptions for storage tanks containing petroleum liquids or other volatile organic liquids are based on size and limits including storage tank capacity and vapor pressure of liquids stored and are not appropriate for this list.

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30. Consumer use of paper trimmers/binders.
31. Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam.
32. Salt baths using non-volatile salts that do not result in emissions of any air pollutant covered by this regulation.
33. Laser trimmers using dust collection to prevent fugitive emissions.
34. Bench-scale laboratory equipment used for physical or chemical analysis not including lab fume hoods or vents.
35. Routine calibration and maintenance of laboratory equipment or other analytical instruments.
36. Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis.
37. Hydraulic and hydrostatic testing equipment.
38. Environmental chambers not using hazardous air pollutant gases.
39. Shock chambers, humidity chambers, and solar simulators.
40. Fugitive emissions related to movement of passenger vehicles, provided the emissions are not counted for applicability purposes and any required fugitive dust control plan or its equivalent is submitted.
41. Process water filtration systems and demineralizers.
42. Demineralized water tanks and demineralizer vents.
43. Boiler water treatment operations, not including cooling towers.
44. Emissions from storage or use of water treatment chemicals, except for hazardous air pollutants or pollutants listed under regulations promulgated pursuant to Section 112(r) of the Act, for use in cooling towers, drinking water systems, and boiler water/feed systems.

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45. Oxygen scavenging (de-aeration) of water.
46. Ozone generators.
47. Fire suppression systems.
48. Emergency road flares.
49. Steam vents and safety relief valves.
50. Steam leaks.
51. Steam cleaning operations.
52. Steam and microwave sterilizers.
53. Site assessment work to characterize waste disposal or remediation sites.
54. Miscellaneous additions or upgrades of instrumentation.
55. Emissions from combustion controllers or combustion shutoff devices but not combustion units itself.
56. Use of products for the purpose of maintaining motor vehicles operated by the facility, not including air cleaning units of such vehicles (i.e. antifreeze, fuel additives).
57. Stacks or vents to prevent escape of sanitary sewer gases through the plumbing traps.
58. Emissions from equipment lubricating systems (i.e. oil mist), not including storage tanks, unless otherwise exempt.
59. Residential wood heaters, cookstoves, or fireplaces.
60. Barbecue equipment or outdoor fireplaces used in connection with any residence or recreation.
61. Log wetting areas and log flumes.
62. Periodic use of pressurized air for cleanup.

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63. Solid waste dumpsters.
64. Emissions of wet lime from lime mud tanks, lime mud washers, lime mud piles, lime mud filter and filtrate tanks, and lime mud slurry tanks.
65. Natural gas odoring activities unless the Department determines that emissions constitute air pollution.
66. Emissions from engine crankcase vents.
67. Storage tanks used for the temporary containment of materials resulting from an emergency reporting of an unanticipated release.
68. Equipment used exclusively to mill or grind coatings in roll grinding rebuilding, and molding compounds where all materials charged are in paste form.
69. Mixers, blenders, roll mills, or calenders for rubber or plastic for which no materials in powder form are added and in which no organic solvents, diluents, or thinners are used.
70. The storage , handling, and handling equipment for bark and wood residues not subject to fugitive dispersion offsite (this applies to the equipment only).
71. Maintenance dredging of pulp and paper mill surface impoundments and ditches containing cellulosic and cellulosic derived biosolids and inorganic materials such as lime, ash, or sand.
72. Tall oil soap storage, skimming, and loading.
73. Water heaters used strictly for domestic (non-process) purposes.
74. Facility roads and parking areas, unless necessary to control offsite fugitive emissions.
75. Agricultural operations, including onsite grain storage, not including IC engines or grain elevators.
76. The following natural gas and oil exploration production site equipment: separators, dehydration units, natural gas fired compressors, and pumping units. This does not include compressors located on natural gas transmission pipelines.



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**SECTION VIII: GENERAL PROVISIONS**

1. Pursuant to 40 C.F.R. 70.6(b)(2), 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.
2. Pursuant to 40 C.F.R. 70.6(a)(2) and §26.7 of the Regulations of the Arkansas Operating Air Permit Program (Regulation 26), 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.
3. Pursuant to §26.4 of Regulation #26, it is the duty of the permittee to submit a complete application for permit renewal at least six (6) months prior to the date of permit expiration. Permit expiration terminates the permittee's right to operate unless a complete renewal application was submitted at least six (6) months prior to permit expiration, in which case the existing permit shall 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.
4. Pursuant to 40 C.F.R. 70.6(a)(1)(ii) and §26.7 of Regulation #26, 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, both provisions are incorporated into the permit and shall be enforceable by the Director or Administrator.
5. Pursuant to 40 C.F.R. 70.6(a)(3)(ii)(A) and §26.7 of Regulation #26, records of monitoring information required by this permit shall include the following:
  - a. The date, place as defined in this permit, and time of sampling or measurements;
  - b. The date(s) analyses were performed;
  - c. The company or entity that performed the analyses;
  - d. The analytical techniques or methods used;

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- e. The results of such analyses; and
  - f. The operating conditions existing at the time of sampling or measurement.
6. Pursuant to 40 C.F.R. 70.6(a)(3)(ii)(B) and §26.7 of Regulation #26, records of all required monitoring data and support information shall be retained for a period of at least 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.
7. Pursuant to 40 C.F.R. 70.6(a)(3)(iii)(A) and §26.7 of Regulation #26, the permittee shall submit reports of all required monitoring every 6 months. If no other reporting period has been established, the reporting period shall end on the last day of the anniversary month of this permit. The report shall be due within 30 days of the end of the reporting period. Even though the reports are due every six months, each report shall contain a full year of data. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official as defined in §26.2 of Regulation #26 and must be sent to the address below.

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

8. Pursuant to 40 C.F.R. 70.6(a)(3)(iii)(B), §26.7 of Regulation #26, and §19.601 and 19.602 of Regulation #19, all deviations from permit requirements, including those attributable to upset conditions as defined in the permit shall be reported to the Department. An initial report shall be made to the Department by the next business day after 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 which is 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,

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- 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.

A full report shall be made in writing to the Department within five (5) business days of discovery of the occurrence and shall include in addition to the information required by initial report a schedule of actions to be taken to eliminate future occurrences and/or to minimize the amount by which the permits limits are exceeded and to reduce the length of time for which said limits are exceeded. If the permittee wishes, they 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 such report will serve as both the initial report and full report.

- 9. Pursuant to 40 C.F.R. 70.6(a)(5) and §26.7 of Regulation #26, and A.C.A. §8-4-203, as referenced by §8-4-304 and §8-4-311, if any provision of the permit or the application thereof to any person or circumstance is held invalid, such invalidity shall 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.
- 10. Pursuant to 40 C.F.R. 70.6(a)(6)(i) and §26.7 of Regulation #26, 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, or modification; or for denial of a permit renewal application. Any permit noncompliance with a state requirement constitutes a violation of the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 *et seq.*) and is also grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- 11. Pursuant to 40 C.F.R. 70.6(a)(6)(ii) and §26.7 of Regulation #26, it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

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12. Pursuant to 40 C.F.R. 70.6(a)(6)(iii) and §26.7 of Regulation #26, this permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
13. Pursuant to 40 C.F.R. 70.6(a)(6)(iv) and §26.7 of Regulation #26, this permit does not convey any property rights of any sort, or any exclusive privilege.
14. Pursuant to 40 C.F.R. 70.6(a)(6)(v) and §26.7 of Regulation #26, the permittee shall 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 shall also furnish to the Director copies of records required to be kept by the permit. For information claimed to be confidential, the permittee may be required to furnish such records directly to the Administrator along with a claim of confidentiality.
15. Pursuant to 40 C.F.R. 70.6(a)(7) and §26.7 of Regulation #26, the permittee shall pay all permit fees in accordance with the procedures established in Regulation #9.
16. Pursuant to 40 C.F.R. 70.6(a)(8) and §26.7 of Regulation #26, no permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for elsewhere in this permit.
17. Pursuant to 40 C.F.R. 70.6(a)(9)(i) and §26.7 of Regulation #26, if the permittee is allowed to operate under 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 scenario under which the facility or source is operating.
18. Pursuant to 40 C.F.R. 70.6(b) and §26.7 of Regulation #26, all terms and conditions in this permit, including any provisions designed to limit a source's potential to emit, are enforceable by the Administrator and citizens under the Act unless the Department has specifically designated as not being federally enforceable under the Act any terms and conditions included in the permit that are not required under the Act or under any of its applicable requirements.

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19. Pursuant to 40 C.F.R. 70.6(c)(1) and §26.7 of Regulation #26, any document (including reports) required by this permit shall contain a certification by a responsible official as defined in §26.2 of Regulation #26.
20. Pursuant to 40 C.F.R. 70.6(c)(2) and §26.7 of Regulation #26, the permittee shall allow an authorized representative of the Department, upon presentation of credentials, to perform the following:
  - 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 that must be kept 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 the purpose of assuring compliance with this permit or applicable requirements.
21. Pursuant to 40 C.F.R. 70.6(c)(5) and §26.7 of Regulation #26, the permittee shall submit a compliance certification with terms and conditions contained in the permit, including emission limitations, standards, or work practices. This compliance certification shall be submitted annually and shall be submitted to the Administrator as well as to the Department. All compliance certifications required by this permit shall include the following:
  - 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. Pursuant to §26.7 of Regulation #26, nothing in this permit shall alter or affect the following:

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- 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. Pursuant to A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, this permit authorizes only those pollutant emitting activities addressed herein.