ADEQ OPERATING AIR PERMIT

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

Permit #: 492-AOP-R0

IS ISSUED TO:

Norton Proppants, Inc. 5300 Gerber Road Fort Smith, AR 72904 Sebastian County CSN: 66-0219

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:

and

AND IS SUBJECT TO ALL LIMITS AND CONDITIONS CONTAINED HEREIN.

Signed:

Keith A. Michaels

Date

SECTION I: FACILITY INFORMATION

PERMITTEE:	Norton Proppants, Inc.
CSN:	66-0219
PERMIT NUMBER:	492-AOP-R0
FACILITY ADDRESS:	5300 Gerber Road Fort Smith, AR 72904
COUNTY:	Sebastian
CONTACT POSITION:	Process Engineer - Richard Lee
TELEPHONE NUMBER:	(479)782-2001, Ext. 223
FAX NUMBER:	(479)782-9984
REVIEWING ENGINEER:	Paul Osmon
UTM North-South (Y):	3920.56 km N
UTM East-West (X):	374.26 km E
	Zone 15

SECTION II: INTRODUCTION

Summary of Permit Activity

This Operating Permit is issued to amend Minor Source Permit No. 492-AR-8 to incorporate the following changes:

- 1. The plantwide combustion emission rates have been recalculated based on revised heat input capacities.
- 2. Allow for the use of a new mineral that has a sulfur content between 1% and 1.5%. The new mineral will be used at source SN-10.
- 3. Twelve (12) new sources, SN-39 through SN-50, have been added that vent particulate emissions to the atmosphere.
- 4. The throughput of existing sources have been revised to reflect current operating conditions.
- 5. Emission rates have been recalculated based on revised throughput, updated AP-42 factors, stack test data, and current operating conditions.
- 6. A natural gas fired pilot plant test dryer is to be added as an insignificant activity.

With the issuance of this permit, Norton Proppants will become a major source for the first time.

Process Description

Proppants are small sintered high density spherical grains ranging in size from approximately 12 U.S. mesh to 70 U.S. mesh. These sintered spheres are used in the oil and gas well industry to increase the well's flow rate. After the drilling of a new well is complete and the casing installed, the rock formation at the bottom of the well must be fractured to maximize the gas or oil flow. A viscous material mixed with the proper size proppants is pumped under very high pressure into the well. When the rock formation fractures, the proppants enter the fissures and prevent them from closing when the pressure is relieved.

The basic raw materials used to manufacture the proppants are heat treated and calcined bauxitic ore and metakaolin ore. The ores are delivered to the facility in covered dump trucks and unloaded at the receiving station at one of the two process buildings (SN-02 and SN-18). The ore is conveyed to an enclosed storage room in process building #1 or to concrete storage silos at process building #2.

At Plant #2, calcined ores are conveyed to one of two mill feed tanks (which vents through SN-22 or SN-23), which in turn feeds the ore to a dry continuous ball mill for size reduction. The ball mill (emissions controlled through SN-21) grinds the ore to fine particles in preparation for

the forming operation. The milled ore is conveyed into one of two storage tanks (which vent through SN-48 which is installed on this modification).

At Plant No. 1, ore is conveyed to either of two ball mills (controlled through SN-03 and SN-11). Baghouses emitting at SN-01 and SN-16 (installed on this modification) control the emissions from the ore transfer conveyors.

The milled ores are conveyed to the two plants' forming areas where there are two mixing lines at each plant. In Plant #1, emissions from mixing lines are controlled by SN-05. Plant #2 has one mixer per line and emissions from both lines are controlled by SN-28. All mixers are batch type. Milled ore, water, and cornstarch are introduced into the mixer, where high-energy rotors compact and pelletize the mix.

The moist spheres are conveyed from the forming area into one of four natural gas or diesel fuel fired continuously fed dryers (SN-09 and SN-13 in Plant #1, SN-26 and SN-27 in Plant #2) where the moisture content is reduced from approximately 21% by weight to 8% by weight.

From the dryers, the product is sent to a screening deck to eliminate over-and -under sized material. Material of optimum size is then sent to the kiln feed tank and the screened off material is sent back to the forming area to be reformed. In Plant #1, the screening area conveyer dust collector (SN-07) controls emissions from the screening area. In Plant #2, emissions from the screening process are controlled by four baghouses (SN-39, SN-45, SN-46, and SN-47). Two of the baghouses (SN-45 and SN-47) are being added on this modification.

The "green" product is conveyed from the kiln feed tanks to one of the continuous feed kilns, SN-04 and SN-10 in Plant #1 and SN-29 in Plant #2. These kilns are fired with either natural gas or diesel fuel and are heated to 1500 degrees Celsius.

The product flows directly into an air swept rotary cooler following the kilns. In Plant #1, both kilns feed a single product cooler (SN-12) while in Plant #2, the kiln and product cooler are listed as a single source (SN-29). Following the coolers, the product is conveyed to a screening deck where any remaining off-spec material is screened off and discarded. Fired and sintered ceramic material cannot be reworked.

During start-up, a kiln will get to full temperature but will not heat evenly though out. Therefore, the product will be under-fired and not fully sintered. The first three hours of production is diverted to a refire vessel. This product is blended back into the kiln at a later time.

The kilns and the dryers may be fired with either natural gas or diesel fuel. Due to the high

temperature, the kilns must be cooled or heated slowly to prevent the bricks from cracking or the drum from warping. It takes four days to bring a kiln from ambient temperature to operating temperature. Two types of fuels are used to minimize outages due to natural gas curtailments.

The sintered and sized product is conveyed to finished product storage tanks. Any emission from the finished product storage tanks in Plant #1 are contained within the building. Emissions from Plant #2 finished product storage are controlled by a baghouse (SN-32/33). The product can be packaged in bags for truck or rail shipping. The majority of the product is shipped in bulk from the loadout area at Plant #1 (SN-08) or at the Plant #2 loadout area (SN-34).

Periodically, finished product from Plant #2 is pneumatically conveyed to the Plant #1 loadout area. Emission from the process are emitted at SN-38. An enclosed booth is used twice daily for the de-dusting of mobile equipment. Emissions from the booth are controlled through SN-49.

Five new pneumatic blowers (SN-40 through SN-44) will be added in the current facility expansion which will be used to convey over and under sized product from the screening processes back to the holding tanks above the mixers for re-agglomeration. There will be no new emissions from this process.

Regulations

The facility is subject to regulations under Regulation 18, *Arkansas Air Pollution Control Code*, dated February 15, 1999, Regulation 19, *Regulations of the Arkansas Plan of Implementation for Air Pollution Control*, dated February 15, 1999 and Regulation 26, *Regulations of the Arkansas Operating Air Permit Program* dated August 10, 2000.

The facility was expanded in 1985 with SN-18 through SN-34 added. SN-18, SN-19, SN-20, SN-21, SN-22, SN-23, SN-25, SN-28, SN-31, SN-34, and SN-38 are subject to 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants which had an effective date of August 31, 1983.

Source No. SN-39 added in 2001 and Sources No. SN-45, SN-46, SN-47, SN-48, and SN-50 which will be added in the current expansion are also subject to 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants which had an effective date of August 31, 1983.

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	Description	Pollutant	Emissic	ion Rates Cross	
No.			lb/hr	tpy	Reference Page
Total A	llowable Emissions	PM PM ₁₀ SO ₂ VOC CO NO _x	55.8 55.8 72.5 1.3 19.3 35.0	178.1 178.1 90.0 5.6 84.2 153.1	
Facility	Plantwide Combustion Emission Sources	PM PM ₁₀ SO ₂ VOC CO NO _x		15.4 15.4 54.4** 5.6 84.2 153.1	16
Facility	Plantwide Sulfur Dioxide Limit	SO_2		90.0	20
01	Ore Conveyor/Crush Tank Filter	PM PM ₁₀	1.1 1.1	1.7 1.7	20
02	Ore Dump Station Filter	PM PM ₁₀	0.6 0.6	0.5 0.5	20
03	Ball Mill No. 1 Filter	PM PM ₁₀	0.3 0.3	1.1 1.1	20
04	Kiln No. 1 7.7 MMBTU/hr	$\begin{array}{c} \text{PM} \\ \text{PM}_{10} \\ \text{SO}_2 \\ \text{VOC} \\ \text{CO} \\ \text{NO}_x \end{array}$	0.1 0.1 0.1 0.1 0.1 0.2		16
04	Kiln No. 1 Filter (Process)	PM PM ₁₀	1.0 1.0	3.7 3.7	20

	EMISSION SUMMARY				
Source	Description	Pollutant	Emissic	on Rates	Cross
No.			lb/hr	tpy	Reference Page
05	Mixers No. 1 through No. 6 Filter	PM PM ₁₀	0.2 0.2	0.7 0.7	20
06	North/South Tank Bin Vents Filter	PM PM ₁₀	0.1 0.1	0.4 0.4	20
07	Screening/Kiln Feed Area Filter	PM PM ₁₀	1.7 1.7	3.4 3.4	20
08	Finished Product Loadout Filter	PM PM ₁₀	0.6 0.6	0.9 0.9	20
09	Plant No. 1, Dryer No. 1 46.0 MMBTU/hr	PM PM ₁₀ SO ₂ VOC CO NO _x	0.7 0.7 2.6 0.3 3.9 7.1		16
09	Plant No.1, Dryer No. 1 Filter (process)	PM PM ₁₀	0.5 0.5	1.9 1.9	20
10	Rotary Kiln No. 2 20.0 MMBTU/hr	PM PM ₁₀ SO ₂ VOC CO NO _x	0.3 0.3 1.1 0.2 1.7 3.1		16
10	Rotary Kiln No. 2 Filter (process)	$\begin{array}{c} PM \\ PM_{10} \\ SO_2 \end{array}$	2.8 2.8 60.0	10.4 10.4 *	20
11	Ball Mill No. Filter	PM PM ₁₀	0.6 0.6	2.1 2.1	20

EMISSION SUMMARY					
Source	Description	Pollutant	Emissio	on Rates	Cross
No.			lb/hr	tpy	Reference Page
12	Plant No. 1 Product Cooler Filter	PM PM ₁₀	3.5 3.5	12.6 12.6	20
13	Plant No. 1, Dryer No.2 46.0 MMBTU/hr	PM PM ₁₀ SO ₂ VOC CO NO _x	0.7 0.7 2.6 0.3 3.9 7.1		16
13	Plant No.1, Dryer No.2 Filter (process)	PM PM ₁₀	0.5 0.5	1.9 1.9	20
14	Plant No.1 DCF Tank Filter	PM PM ₁₀	0.1 0.1	0.1 0.1	20
15	South Tank Bin Vent	Rerout	ted to SN-0)6	
16	Plant No.1 Ore Transport Mill Area Filter	PM PM ₁₀	0.4 0.4	1.4 1.4	20
17	Truck Loadout PM10	Rerouted to SN-08			
18	Plant No. 2 Ore Truck Unloading Filter	PM PM ₁₀	0.6 0.6	1.0 1.0	20
19	Raw Material Silo Transport Filter	PM PM ₁₀	1.7 1.7	3.0 3.0	20
20	Silo Loadout Filter	PM PM ₁₀	2.2 2.2	8.0 8.0	20

	EMISSION SUMMARY				
Source	Description	Pollutant	Emissic	n Rates	Cross
No.			lb/hr	tpy	Reference Page
21	Plant No. 2 Fuller Ball Mill Filter	PM PM ₁₀	1.2 1.2	5.2 5.2	20
22	Ball Mill Feed Vessel Vent Filter	PM PM ₁₀	0.2 0.2	0.6 0.6	20
23	Ball Mill Feed Vent No.2 Filter	PM PM ₁₀	0.1 0.1	0.2 0.2	20
24	Source	ce Removed fro	m permit -	- 2000	
25	Binder Storage Vessel Vent Filter	PM PM ₁₀	0.2 0.2	0.1 0.1	20
26	Plant No. 2, Dryer No. 1 24.5 MMBTU/hr	$\begin{array}{c} \text{PM} \\ \text{PM}_{10} \\ \text{SO}_2 \\ \text{VOC} \\ \text{CO} \\ \text{NO}_x \end{array}$	0.4 0.4 1.4 0.2 2.1 3.8		16
26	Plant No.2, Dryer No. 1 Exhaust Vent Filter (process)	PM PM ₁₀	1.0 1.0	3.9 3.9	20
27	Plant No. 2, Dryer No. 2 24.5 MMBTU/hr	PM PM ₁₀ SO ₂ VOC CO NO _x	0.4 0.4 1.4 0.2 2.1 3.8		16
27	Plant No.2, Dryer No. 2 Exhaust Vent Filter (process)	PM PM ₁₀	1.0 1.0	3.9 3.9	20

EMISSION SUMMARY						
Source	Description	iption Pollutant Er		on Rates	Cross	
No.			lb/hr	tpy	Reference Page	
28	Forming Area Dust Collection Baghouse	PM PM ₁₀	2.8 2.8	11.5 11.5	20	
29	Cooler and Kiln Exhaust 60.0 MMBTU/hr	PM PM ₁₀ SO ₂ VOC CO NO _x	1.0 1.0 3.3 0.4 5.1 9.2		16	
29	Cooler and Kiln Exhaust Filters	PM PM ₁₀	10.0 10.0	43.5 43.5	20	
30	Sizing Area Vent/Fired Screening Filter	PM PM ₁₀	0.2 0.2	0.4 0.4	20	
32/33	Finished Product Loadout Tanks Filter	PM PM ₁₀	0.3 0.3	0.6 0.6	20	
34	Shipping Area Vent (Truck Loadout)/Deduster Filter	PM PM ₁₀	0.2 0.2	0.2 0.2	20	
35	Diesel Fuel Storage Tank	Insignificant Activity				
36	Diesel Fuel Storage Tank	Insignificant Activity				
37	Sour	ce removed from permit - 1998				
38	Plant to Plant Finished Product Conveyor Filter	PM PM ₁₀	0.1 0.1	0.1 0.1	20	

EMISSION SUMMARY						
Source	Description	Pollutant	Emissic	on Rates	Cross	
No.			lb/hr	tpy	Reference Page	
39	350 Baghouse	PM PM ₁₀	0.8 0.8	3.2 3.2	20	
40	Plant #1 Side #1 R/W Blower	Ι	nsignificar	nt Activity		
41	Plant #1 Side #2 R/W Blower	Ι	nsignificar	nt Activity		
42	Plant No. 1 DCF Blower	Insignificant Activity				
43	Plant #2 R/W Blower	Insignificant Activity				
44	Plant #2 R/W Blower	Insignificant Activity				
45	340 Baghouse	PM PM ₁₀	0.8 0.8	3.2 3.2	20	
46	360 Baghouse	PM PM ₁₀	0.8 0.8	3.2 3.2	20	
47	370 Baghouse	PM PM ₁₀	0.8 0.8	3.2 3.2	20	
48	Plant #2 301-1, 301- 2 Tank Filter	PM 0.2 0.7 PM ₁₀ 0.2 0.7			20	
49	Cleaning Booth/SN- 04 Backup Filter	PM PM ₁₀	0.1 0.1	0.1 0.1	20	
50	Plant No. 2 Mill Conveyer Filter	PM PM ₁₀	0.3 0.3	1.0 1.0	20	
51	Non-point Source Emissions	PM PM ₁₀	3.5 3.5	20.0 20.0		

 ** - The sulfur dioxide limit for the facility is in the facility PAL see S.C. # 13.

SECTION III: PERMIT HISTORY

492-A was issued to Norton Company on May 26, 1978. 492-A permitted Norton to construct and operate a sintered aluminum oxide manufacturing plant at the present location with an annual production capacity of 20,000 tons per year.

492-AR-1 was issued to the Norton Company on May 22, 1981. 492-AR-1 permitted the installation and operation of a new sintering kiln (SN-10), a new ball mill (SN-11), mixing and sizing equipment (SN-16), and a product cooler system.

492-AR-2 was issued to the Norton Company on January 22, 1982. 492-AR-2 permitted the installation and operation of a new dryer (SN-13) with associated baghouse.

492-AR-3 was issued to Norton-Alcoa Proppants on July 24, 1985. 492-AR-3 permitted the construction and operation of new expanded facilities (SN-18 through SN-34). The permit also recognized the facility's name change from Norton Company to Norton-Alcoa Proppants.

492-AR-4 was issued to Norton-Alcoa Proppants on September 30, 1998 to reclassify the facility as a synthetic minor with annual PM_{10} emissions of 91.3 tons per year. The permit also included two previously unlisted sources, the railcar loadout (SN-08), and the truck loadout (SN-17). The permit also includes the plant to plant pneumatic conveyor (SN-38) as a new source.

492-AR-5 was issued to Norton-Alcoa Proppants on September 30, 1999. The permit was issued to allow the installation of a back up bucket elevator which increased the operating efficiency of the facility, but with no increase in emissions. A new baghouse (SN-39) was added with this permit modification. Several sources were also listed for the first time as being subject to 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.

492-AR-6 was issued to Norton Alcoa Proppants on February 16, 2000. The permit was issued to allow the manufacture of an alternate product at the facility. Permit limits were: PM - 135.7 tpy, PM_{10} - 91.3 tpy, SO_2 - 0.8 tpy, VOC - 25.0 tpy, CO - 18.8 tpy, NO_x - 75.1 tpy, Formaldehyde - 4.61 tpy, Ethylene Glycol - 7.86 ypy, and Phenol 9.40 tpy.

An administrative amendment was issued to the above permit on March 10, 2000. It was determined during testing for the above permit that SN-24 did not vent to atmosphere and was not an emission

source. Its emission limits were removed from the permit. Permit limits were: PM - 134.4 tpy, PM_{10} - 90.1 tpy, SO_2 - 0.8 tpy, VOC - 25.0 tpy, CO - 18.8 tpy, NO_x - 75.1 tpy, Formaldehyde - 4.61 tpy, Ethylene Glycol - 7.86 tpy, and Phenol 9.40 tpy.

492-AR-7 was issued to Norton Alcoa Proppants on July 12, 2000. The permit was issued to allow the manufacture to revise cycle times to increase throughput. Permit limits were: PM - 139.8 tpy, PM_{10} - 94.3 tpy, SO_2 - 0.8 tpy, VOC - 25.0 tpy, CO - 18.8 tpy, NO_x - 75.1 tpy, Formaldehyde - 4.61 tpy, Ethylene Glycol - 7.86 ypy, and Phenol 9.40 tpy.

492-AR-8 was issued to Norton Alcoa Proppants on September 15, 2001. The permit was issued to allow seven minor changes to the previous permit. The primary changes were to allow diesel fuel as a fully permitted fuel and to remove the HAPS containing materials from the process. Permit limits were: PM - 144.9 tpy, PM_{10} - 95.3 tpy, SO_2 - 90.0 tpy, VOC - 3.6 tpy, CO - 54.2 tpy, and NO_x - 98.5 tpy.

SECTION IV: EMISSION UNIT INFORMATION

SN-04, SN-09, SN-10, SN-13, SN-26, SN-27 and SN-29 Combustion Sources

Source Description

There are three kilns (SN-04, SN-10, and SN-29) and four dryers (SN-09, SN-13, SN-26, and SN-27) that are the fired equipment operating in the process at the facility. Each source is permitted for full time operation at maximum capacity on either natural gas or low sulfur diesel fuel. The emission limits are based on using the fuel which causes the highest emissions of that pollutant.

Specific Conditions

1. 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 is demonstrated by each source being permitted at its maximum capacity and full time operation on the fuel which causes the highest emissions of that pollutant.

SN	Description	Pollutant	lb/hr	tpy
Facility	Plantwide Combustion Emission Sources	PM ₁₀ SO ₂ VOC CO NO _X		15.4 54.4** 5.6 84.2 153.1
Facility	Plantwide Sulfur Dioxide Emission Limit	SO_2		90.0
04	Kiln No. 1 7.7 MMBtu/hr natural gas or low sulfur diesel fuel	PM ₁₀ SO ₂ VOC CO NO _X	0.1 0.1 0.1 0.1 0.2	

SN	Description	Pollutant	lb/hr	tpy
09	Plant No. 1, Dryer No.1 46.0 MMBtu/hr natural gas or low sulfur diesel fuel	PM ₁₀ SO ₂ VOC CO NO _X	0.7 2.6 0.3 3.9 7.1	
10	Rotary Kiln No. 2 No.1 20.0 MMBtu/hr natural gas or low sulfur diesel fuel	PM ₁₀ SO ₂ VOC CO NO _X	0.3 1.1 0.2 1.7 3.1	
13	Plant No. 1, Dryer No. 2 46.0 MMBtu/hr natural gas or low sulfur diesel fuel	PM ₁₀ SO ₂ VOC CO NO _X	0.7 2.6 0.3 3.9 7.1	
26	Plant No. 2, Dryer No. 1 24.5 MMBtu/hr natural gas or low sulfur diesel fuel	PM ₁₀ SO ₂ VOC CO NO _X	0.4 1.4 0.2 2.1 3.8	
27	Plant No. 2, Dryer No. 2 24.5 MMBtu/hr natural gas or low sulfur diesel fuel	PM ₁₀ SO ₂ VOC CO NO _X	0.4 1.4 0.2 2.1 3.8	
29	Plant No. 2 Kiln and Cooler Exhaust 60.0 MMBtu/hr natural gas or low sulfur diesel fuel	PM ₁₀ SO ₂ VOC CO NO _x	1.0 3.3 0.4 5.1 9.2	

** - The sulfur dioxide limit for the facility is in the facility PAL see S.C. # 13.

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 condition is demonstrated by each source being permitted at its maximum capacity and full time operation on the fuel which causes the highest emissions of that pollutant.

SN	Description	Pollutant	lb/hr	tpy
Facility	Plantwide Combustion Emission Sources	PM		15.4
04	Kiln No. 1 7.7 MMBtu/hr natural gas or low sulfur diesel fuel	РМ	0.1	
09	Plant No. 1, Dryer No.1 46.0 MMBtu/hr natural gas or low sulfur diesel fuel	РМ	0.7	
10	Rotary Kiln No. 2 No.1 20.0 MMBtu/hr natural gas or low sulfur diesel fuel	РМ	0.3	
13	Plant No. 1, Dryer No. 2 46.0 MMBtu/hr natural gas or low sulfur diesel fuel	РМ	0.7	
26	Plant No. 2, Dryer No. 1 24.5 MMBtu/hr natural gas or low sulfur diesel fuel	РМ	0.4	
27	Plant No. 2, Dryer No. 2 24.5 MMBtu/hr natural gas or low sulfur diesel fuel	PM	0.4	

SN	Description	Pollutant	lb/hr	tpy
29	Plant No. 2 Kiln and Cooler Exhaust 60.0 MMBtu/hr natural gas or low sulfur diesel fuel	РМ	1.0	

- 3. Pursuant to §19.705 of Regulation #19, A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, and 40 CFR 70.6, the combustion sources may only be fired with pipeline quality natural gas or low sulfur diesel fuel. Pipeline quality natural gas is defined as natural gas which contains less than 0.3 grains/100 SCF of H₂S and that H₂Sconstitutes greater then 50% by weight of the sulfur in the gas. Low sulfur diesel fuel must have a sulfur content of less than 0.05 weight percent.
- 4. Pursuant to §19.705 of Regulation #19 and 40 CFR Part 52, Subpart E, the permittee shall maintain records of the sulfur content of all shipments of diesel fuel received at the facility. These records shall be maintained on site and made available to Department personnel upon request.
- 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, visible emissions from the Combustion Sources shall not exceed 5% when firing natural gas and 20% when firing low sulfur diesel fuel as measured by EPA Method 9.

SN-01 through SN-14, SN-16, SN-18 through SN-23, SN-25 through SN-34, SN-38, SN-39, SN-45 through SN-50 Particulate Sources

Source Description

Norton Proppants operates a facility with two manufacturing trains which produce proppants used in completions of oil and gas wells. A more complete description of the service for each source is contained in the process description at the beginning of this permit.

Specific Conditions

6. 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 is demonstrated by the sources lb/hr limits being based on maximum capacity and the tpy limits are based on the throughput limits in Specific Condition No. 10.

SN	Description	Pollutant	lb/hr	tpy
01	Ore Conveyor/Crush Tank Filter	PM ₁₀	1.1	1.7
02	Ore Dump Station Filter	PM ₁₀	0.6	0.5
03	Ball Mill No. 1 Filter	PM ₁₀	0.3	1.1
04	Kiln No. 1 Filter (Process)	PM ₁₀	1.0	3.7
05	Mixers No. 1 through No. 6 Filter	PM ₁₀	0.2	0.7
06	North/South Tank Bin Vents Filter	PM ₁₀	0.1	0.4
07	Screening/Kiln Feed Area Filter	PM ₁₀	1.7	3.4
08	Finished Product Loadout Filter	PM ₁₀	0.6	0.9
09	Plant No.1, Dryer No. 1 Filter (process)	PM ₁₀	0.5	1.9
10	Rotary Kiln No. 2 Filter (process)	$\frac{\text{PM}_{10}}{\text{SO}_2}$	2.8 60.0	10.4 *

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SN	Description	Pollutant	lb/hr	tpy
11	Ball Mill No. Filter	PM ₁₀	0.6	2.1
12	Plant No. 1 Product Cooler Filter	PM ₁₀	3.5	12.6
13	Plant No.1, Dryer No.2 Filter (process)	PM ₁₀	0.5	1.9
14	Plant No.1 DCF Tank Filter	PM_{10}	0.1	0.1
15	South Tank Bin Vent	Rerouted to SN-06		
16	Plant No.1 Ore Transport Mill Area Filter	PM ₁₀	0.4	1.4
17	Truck Loadout PM10	Rerouted to SN-08		
18	Plant No. 2 Ore Truck Unloading Filter	PM ₁₀	0.6	1.0
19	Raw Material Silo Transport Filter	PM ₁₀	1.7	3.0
20	Silo Loadout Filter	PM ₁₀	2.2	8.0
21	Plant No. 2 Fuller Ball Mill Filter	PM ₁₀	1.2	5.2
22	Ball Mill Feed Vessel Vent Filter	PM ₁₀	0.2	0.6
23	Ball Mill Feed Vent No.2 Filter	PM ₁₀	0.1	0.2
24	Source Removed from permit - 2000			
25	Binder Storage Vessel Vent Filter	PM ₁₀	0.2	0.1
26	Plant No.2, Dryer No. 1 Exhaust Vent Filter (process)	PM ₁₀	1.0	3.9
27	Plant No.2, Dryer No. 2 Exhaust Vent Filter (process)	PM ₁₀	1.0	3.9
28	Forming Area Dust Collection Baghouse	PM ₁₀	2.8	11.5
29	Cooler and Kiln Exhaust Filters	PM ₁₀	10.0	43.5
30	Sizing Area Vent/Fired Screening Filter	PM ₁₀	0.2	0.4

SN	Description	Pollutant	lb/hr	tpy
32/33	Finished Product Loadout Tanks Filter	PM ₁₀	0.3	0.6
34	Shipping Area Vent (Truck Loadout)/Deduster Filter	PM ₁₀	0.2	0.2
35	Diesel Fuel Storage Tank	Insignificant Activity		
36	Diesel Fuel Storage Tank	Insignificant Activity		
37	Source removed from permit - 1998			
38	Plant to Plant Finished Product Conveyor Filter	PM ₁₀	0.1	0.1
39	350 Baghouse	PM ₁₀	0.8	3.2
40	Plant #1 Side #1 R/W Blower	Insignificant Activity		
41	Plant #1 Side #2 R/W Blower	Insignificant Activity		
42	Plant No. 1 DCF Blower	Insignificant Activity		
43	Plant #2 R/W Blower	Insignificant Activity		
44	Plant #2 R/W Blower	Insignificant Activity		
45	340 Baghouse	PM ₁₀	0.8	3.2
46	360 Baghouse	PM ₁₀	0.8	3.2
47	370 Baghouse	PM ₁₀	0.8	3.2
48	Plant #2 301-1, 301-2 Tank Filter	PM ₁₀	0.2	0.7
49	Cleaning Booth/SN-04 Backup Filter	PM ₁₀	0.1	0.1
50	Plant No. 2 Mill Conveyer Filter	PM ₁₀	0.3	1.0
51	Non-point Source Emissions	PM ₁₀	3.5	20.0

* - see Specific Condition No. 13 for Plantwide sulfur dioxide yearly limit.

7. 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 condition is demonstrated by the sources lb/hr limits being based on maximum capacity and the tpy limits are based on the throughput limits in Specific Condition No. 10.

SN	Description	Pollutant	lb/hr	tpy
01	Ore Conveyor/Crush Tank Filter	РМ	1.1	1.7
02	Ore Dump Station Filter	PM	0.6	0.5
03	Ball Mill No. 1 Filter	Р	0.3	1.1
04	Kiln No. 1 Filter PM (Process)		1.0	3.7
05	Mixers No. 1 through No. 6 Filter	PM	0.2	0.7
06	North/South Tank Bin Vents Filter	PM	0.1	0.4
07	Screening/Kiln Feed Area Filter	PM	1.7	3.4
08	Finished Product Loadout Filter	PM	0.6	0.9
09	Plant No.1, Dryer No. 1 Filter (process)	РМ	0.5	1.9
10	Rotary Kiln No. 2 Filter (process)	РМ	2.8	10.4
11	Ball Mill No. Filter	PM	0.6	2.1
12	Plant No. 1 Product Cooler Filter	PM	3.5	12.6
13	Plant No.1, Dryer No.2 Filter (process)	РМ	0.5	1.9
14	Plant No.1 DCF Tank Filter	PM	0.1	0.1
15	South Tank Bin Vent	Rerouted to SN-06		
16	Plant No.1 Ore Transport Mill Area Filter	PM	0.4	1.4
17	Truck Loadout PM10	Rerouted to SN-08		
18	Plant No. 2 Ore Truck Unloading Filter	PM	0.6	1.0

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SN	Description	Pollutant	lb/hr	tpy
19	Raw Material Silo Transport Filter	PM	1.7	3.0
20	Silo Loadout Filter	PM	2.2	8.0
21	Plant No. 2 Fuller Ball Mill Filter	PM	1.2	5.2
22	Ball Mill Feed Vessel Vent Filter	PM	0.2	0.6
23	Ball Mill Feed Vent No.2 Filter	PM	0.1	0.2
24	Source Removed from permit - 2000			
25	Binder Storage Vessel Vent Filter PM 0.2		0.2	0.1
26	Plant No.2, Dryer No. 1 Exhaust Vent Filter (process)	РМ	1.0	3.9
27	Plant No.2, Dryer No. 2 Exhaust Vent Filter (process)	РМ	1.0	3.9
28	Forming Area Dust Collection Baghouse	PM	2.8	11.5
29	Cooler and Kiln Exhaust Filters	PM	10.0	43.5
30	Sizing Area Vent/Fired Screening Filter	PM	0.2	0.4
32/33	Finished Product Loadout Tanks Filter	PM	0.3	0.6
34	Shipping Area Vent (Truck Loadout)/Deduster Filter	РМ	0.2	0.2
35	Diesel Fuel Storage Tank	Insignificant Activity		
36	Diesel Fuel Storage Tank	Insignificant Activity		
37	Source removed from pe	rmit - 1998		
38	Plant to Plant Finished Product Conveyor Filter	РМ	0.1	0.1
39	350 Baghouse	PM	0.8	3.2
40	Plant #1 Side #1 R/W Blower	Insignificant Activity		

SN	Description	Pollutant	lb/hr	tpy
41	Plant #1 Side #2 R/W Blower	Insignificant Activity		
42	Plant No. 1 DCF Blower	Insignificant Activity		
43	Plant #2 R/W Blower	Insignificant Activity		
44	Plant #2 R/W Blower	Insignificant Activity		
45	340 Baghouse	PM	0.8	3.2
46	360 Baghouse	PM	0.8	3.2
47	370 Baghouse	PM	0.8	3.2
48	Plant #2 301-1, 301-2 Tank Filter	PM	0.2	0.7
49	Cleaning Booth/SN-04 Backup Filter	РМ	0.1	0.1
50	Plant No. 2 Mill Conveyer Filter	РМ	0.3	1.0
51	Non-point Source Emissions	РМ	3.5	20.0

- 8. Pursuant to §18.501 of Regulation #18, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, visible emissions from the Particulate Sources shall not exceed 5% as measured by EPA Method 9.
- 9. Pursuant to A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, if visible emissions are detected at the Particulate Sources, then the permittee shall immediately conduct a 6 minute opacity reading in accordance with EPA Reference Method #9. The results of these observations or readings shall be recorded in a log which shall be maintained on site and made available to Department personnel upon request.
- Pursuant to \$19.705 of Regulation 19, 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 produce more than 256,000 tons of ceramic beads (standard proppant product) at the facility per consecutive 12 month period.
- 11. Pursuant to §19.705 of Regulation 19 and 40 CFR Part 52, Subpart E, the permittee shall maintain monthly records which demonstrate compliance with Specific Condition 10. Records shall be updated by the fifteenth day of the month following the month for which the records pertain. These records shall be kept on site, and shall be made available to

Department personnel upon request. A copy of the results of these records shall be submitted with the semi-annual report required in General Provision No. 7.

Alternate Product (SN-10)

12. Pursuant to §19.705 of Regulation 19, A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311 and 40 CFR 70.6, the silica media used in production at SN-10 shall not exceed 1.5% sulfur content. The permittee shall maintain MSDS sheets or other satisfactory laboratory records to monitor and record the sulfur content of the material used. If laboratory analysis is used, intervals between testing shall not exceed one week for the first year's operation with the alternate product during the time periods the processed silica media is being run.

Sulfur Dioxide PAL Requirements:

13. Pursuant to §19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, to demonstrate compliance with the Plantwide Sulfur Dioxide Limit in Specific Condition #1, the permittee shall complete the following material balance for sulfur dioxide emissions for each month the facility operates:

TPY SO₂ = (0.142)(A)(B) + (2)(C)(D) + 0.7*

Where:

- A = Weigh percent sulfur in the diesel fuel consumed.
- B = Gallons of diesel fuel burned.
- C = Percent sulfur in the processed silica media used at SN-10
- D = Tons of processed silica material used
- * = Sulfur dioxide emissions from natural gas combustion

The facility shall keep satisfactory usage and content records to complete the above equation on site. The facility shall also complete a summation of the resultant of the above equation for the previous 12 months operation each month. A rolling 12 month total in excess of 90 tons shall be a violation of this permit. The records of sulfur dioxide emissions from the above material balance shall be kept on site and made available to Department personnel upon request. A copy of the results of this calculation shall be submitted with the semi-annual report required in General Provision No. 7.

14. Pursuant to §19.304 of Regulation 19 and 40 CFR 60, Subpart OOO, SN-18, SN-19, SN-20, SN-21, SN-22, SN-25, SN-28, SN-31, SN-34, and SN-38* are subject

to NSPS 40 CFR 60, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants. No additional limits are necessary at this time to assure compliance other than those previously listed. The sources have been tested to meet the following standards:

Test Method	Standard
EPA Method 5 or 17	Not in excess of 0.05 g/dscm particulate matter
EPA Method 9	Not in excess of 15% opacity

SN-18, SN-19, and SN-20 are non-stack emissions; therefore, testing for particulate was not required.

- * A special request for alternate testing for SN-38 was sent to EPA Region VI April 3, 2000. Letter dated May 11, 2000 from John R. Hepola waived requirement for particulate matter testing for the source.
- 15. Pursuant to §19.304 of Regulation 19 and 40 CFR 60, Subpart OOO, SN-39 added in 2001 and SN-45, SN-46, SN-47, SN-48, and SN-50 added in the current expansion are subject to NSPS 40 CFR 60, Subpart OOO Standards of Performance for Nonmetallic Mineral Processing Plants. Within 60 days of the facility achieving the maximum production rate when the proposed changes in this permit are activated but no later than 180 days after their initial start up, these sources shall be tested to meet the following standards:

Test Method	Standard
EPA Method 5 or 17	Not in excess of 0.05 g/dscm particulate matter
EPA Method 9	Not in excess of 15% opacity

SECTION V: COMPLIANCE PLAN AND SCHEDULE

Norton Proppants, Inc. is in compliance with the applicable regulations cited in the permit application. Norton Proppants, Inc. 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: 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 or within 180 days of permit issuance if no date is specified. 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.
- 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.

Acid Rain (Title IV)

7. Pursuant to §26.701 of Regulation #26 and 40 CFR 70.6(a)(4), the permittee is prohibited from causing any emissions which exceed any allowances that the source lawfully holds under Title IV of the Act or the regulations promulgated thereunder. No permit revision is required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. This permit establishes no limit on the number of allowances held by the permittee. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement of this permit or the Act. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Act.

Title VI Provisions

- 8. 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.
- 9. 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 refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to \$82.166.
- 10. 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.
- 11. 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.

12. 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.

SECTION VII: INSIGNIFICANT ACTIVITIES

Pursuant to §26.304 of Regulation 26, the following sources are insignificant activities. 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 April, 2002.

Description	Category
Gas Fired Pilot Plant Kiln	Group A1
Gas Fired Pilot Plant Test Dryer	Group A1
Two Laboratory Vent Hoods	Group A5
Three emergency use electrical generators	Group B16
One Diesel Fuel Storage Tank	Group A3
Two 15,000 gallon Diesel Storage Tanks	Group A13
SN-40 - Plant #1, Side #1, R/W Blower SN-41 - Plant #1, Side #2 R/W Blower SN-42 - Plant #1 DCF Blower SN-43 - Plant #2 R/W Blower SN-44 - Plant #2 R/W Blower	Group A13 (new blowers in current facility proposed addition which do not discharge to atmosphere)

Pursuant to §26.304 of Regulation 26, the emission units, operations, or activities contained in Regulation 19, Appendix A, Group B, 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.

SECTION VIII: GENERAL PROVISIONS

- 1. Pursuant to 40 CFR 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 18 or the Arkansas Water and Air Pollution 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 CFR 70.6(a)(2) and §26.701(B) of the Regulations of the Arkansas Operating Air Permit Program (Regulation 26), effective August 10, 2000, 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 §26.406 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 CFR 70.6(a)(1)(ii) and §26.701(A)(2) 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 CFR 70.6(a)(3)(ii)(A) and §26.701(C)(2) 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;
- e. The results of such analyses; and
- f. The operating conditions existing at the time of sampling or measurement.
- 6. Pursuant to 40 CFR 70.6(a)(3)(ii)(B) and §26.701(C)(2)(b) 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 CFR 70.6(a)(3)(iii)(A) and §26.701(C)(3)(a) 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 CFR 70.6(a)(3)(iii)(B), §26.701(C)(3)(b) 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 discovery of the occurrence. The initial report may be made by telephone and shall include:
 - a. The facility name and location,
 - b. The process unit or emission source 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,
- 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 permit's 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 CFR 70.6(a)(5) and §26.701(E) 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 CFR 70.6(a)(6)(i) and §26.701(F)(1) 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; or for denial of a permit termination, revocation and reissuance, or modification; or permit termination, revocation and reissuance, or permit termination, revocation and reissuance, or modification; or for denial of a permit termination, revocation and reissuance, or modification; or for denial of a permit termination.
- 11. Pursuant to 40 CFR 70.6(a)(6)(ii) and §26.701(F)(2) 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.

- 12. Pursuant to 40 CFR 70.6(a)(6)(iii) and §26.701(F)(3) 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 CFR 70.6(a)(6)(iv) and §26.701(F)(4) of Regulation #26, this permit does not convey any property rights of any sort, or any exclusive privilege.
- 14. Pursuant to 40 CFR 70.6(a)(6)(v) and §26.701(F)(5) 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 CFR 70.6(a)(7) and §26.701(G) of Regulation #26, the permittee shall pay all permit fees in accordance with the procedures established in Regulation #9.
- 16. Pursuant to 40 CFR 70.6(a)(8) and §26.701(H) 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 CFR 70.6(a)(9)(i) and §26.701(I)(1) 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 CFR 70.6(b) and §26.702(A) and (B) 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.

- 19. Pursuant to 40 CFR 70.6(c)(1) and §26.703(A) 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 CFR 70.6(c)(2) and §26.703(B) 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 CFR 70.6(c)(5) and §26.703(E)(3) 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 §26.704(C) of Regulation #26, nothing in this permit shall alter or affect the following:
 - 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.

APPENDIX A 40 CFR 60, SUBPART OOO