ADEQ

ARKANSAS
Department of Environmental Quality

JUL 3 1 2018

William Bowdon, President/CEO
Performance Proppants, LLC
4803 Benton Street
Bossier City, LA 71111

Dear Mr. Bowdon:

The enclosed Permit No. 2400-A is your authority to construct, operate, and maintain the equipment and/or control apparatus as set forth in your application initially received on 5/11/2018.

After considering the facts and requirements of A.C.A. §8-4-101 et seq. as referenced by §8-4-304, and implementing regulations, I have determined that Permit No. 2400-A for the construction and operation of equipment at Performance Proppants, LLC shall be issued and effective on the date specified in the permit, unless a Commission review has been properly requested under Arkansas Department of Pollution Control & Ecology Commission's Administrative Procedures, Regulation 8, within thirty (30) days after service of this decision.

The applicant or permittee and any other person submitting public comments on the record may request an adjudicatory hearing and Commission review of the final permitting decisions as provided under Chapter Six of Regulation No. 8, Administrative Procedures, Arkansas Pollution Control and Ecology Commission. Such a request shall be in the form and manner required by Regulation 8.603, including filing a written Request for Hearing with the APC&E Commission Secretary at 101 E. Capitol Ave., Suite 205, Little Rock, Arkansas 72201. If you have any questions about filing the request, please call the Commission at 501-682-7890.

Sincerely,

Stuart Spencer
Associate Director, Office of Air Quality

Enclosure: Final Permit

RESPONSE TO COMMENTS

PERFORMANCE PROPPANTS, LLC
PERMIT #2400-A
AFIN: 46-00985

On June 22, 2018, the Director of the Arkansas Department of Environmental Quality gave notice of a draft permitting decision for the above referenced facility. During the comment period, written comments on the draft permitting decision were submitted by James Jech of Trinity Consultants, on behalf of the facility. The Department's response to these issues follows.

Note: The following page numbers and condition numbers refer to the draft permit. These references may have changed in the final permit based on changes made during the comment period.

Comment #1:
The dryers that will be constructed are actually larger than the dryers originally applied for and included in the draft permit. The dryers to be constructed have a maximum heat input capacity of 89 MMBtu/hr. In addition, only two dryers will be constructed. Revised emissions calculations and ERT's are attached. Please revise the draft permit to reflect the new dryer data for SN-09.

Response to Comment #1:
The requested change has been made. All references of SN-09C have been removed, and Specific Condition #1 and #2 were revised as follows:

1. The permittee shall not exceed the emission rates set forth in the following table. The facility certifies that annual and hourly emissions from the processing of sand at the facility have been calculated at full load for continuous operation and no calculated recordkeeping of sand received is required. [Reg.19.501 *et seq.* and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

SN	Description	Pollutant	lb/hr	tpy
09A	Dryer A (89 MMBtu/hr)	PM_{10}	1.0	4.4
		SO_2	0.1	0.3
		VOC	0.5	2.1
		CO	7.4	32.1
		NO_x	8.9	39.0
09B	Dryer B (89 MMBtu/hr)	PM_{10}	1.0	4.4
		SO_2	0.1	0.3
		VOC	0.5	2.1
		CO	7.4	32.1
		NO_x	8.9	39.0

2. The permittee shall not exceed the emission rates set forth in the following table. The facility certifies that annual and hourly emissions from the processing of sand at the

facility have been calculated at full load for continuous operation and no calculated recordkeeping of sand received is required. [Reg.18.801 and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

SN	Description	Pollutant	lb/hr	tpy
09A	Dryer A (89 MMBtu/hr)	PM Total HAP	1.0 0.33	4.4 1.45
09B	Dryer B (89 MMBtu/hr)	PM Total HAP	1.0 0.33	4.4 1.45

Comment #2:
The sand plant permit application included a discussion of NSPS UUU applicability, and the requirements were correctly incorporated into the draft permit. However, the emissions associated with exhausting the dryers were not considered in the initial application. The revised calculations for SN-09 mentioned in comment 1 also include the exhaust emissions from the dryer baghouse.

Response to Comment #2:
Revised Specific Conditions #1 and #2 include the exhaust emissions from the dryer baghouse. No further changes are necessary.

ADEQ
MINOR SOURCE
AIR PERMIT

Permit No. : 2400-A

IS ISSUED TO:

Performance Proppants, LLC
2561 Miller County 4
Doddridge, AR 71834
Miller County
AFIN: 46-00985

THIS PERMIT IS THE ABOVE REFERENCED PERMITTEE'S AUTHORITY TO CONSTRUCT, MODIFY, OPERATE, AND/OR MAINTAIN THE EQUIPMENT AND/OR FACILITY IN THE MANNER AS SET FORTH IN THE DEPARTMENT'S MINOR SOURCE AIR PERMIT AND THE APPLICATION. THIS PERMIT IS ISSUED PURSUANT TO THE PROVISIONS OF THE ARKANSAS WATER AND AIR POLLUTION CONTROL ACT (ARK. CODE ANN. § 8-4-101 *ET SEQ.*) AND THE REGULATIONS PROMULGATED THEREUNDER, AND IS SUBJECT TO ALL LIMITS AND CONDITIONS CONTAINED HEREIN.

Signed:

Stuart Spencer
Associate Director, Office of Air Quality

JUL 3 1 2018

Date

Table of Contents

List of Acronyms and Abbreviations

Ark. Code Ann.	Arkansas Code Annotated
AFIN	ADEQ Facility Identification Number
C.F.R.	Code of Federal Regulations
CO	Carbon Monoxide
HAP	Hazardous Air Pollutant
lb/hr	Pound Per Hour
No.	Number
NO_x	Nitrogen Oxide
PM	Particulate Matter
PM_{10}	Particulate Matter Smaller Than Ten Microns
SO_2	Sulfur Dioxide
Tpy	Tons Per Year
UTM	Universal Transverse Mercator
VOC	Volatile Organic Compound

Section I: FACILITY INFORMATION

PERMITTEE:	Performance Proppants, LLC
AFIN:	46-00985
PERMIT NUMBER:	2400-A
FACILITY ADDRESS:	2561 Miller County 4 Doddridge, AR 71834
MAILING ADDRESS:	4803 Benton Street Bossier City, LA 71111
COUNTY:	Miller County
CONTACT NAME:	William Bowdon
CONTACT POSITION:	President/CEO
TELEPHONE NUMBER:	(318) 584-7327
REVIEWING ENGINEER:	Elliott Marshall
UTM North South (Y):	Zone 15: 3657825.00 m
UTM East West (X):	Zone 15: 421799.00 m

Section II: INTRODUCTION

Summary of Permit Activity

Performance Proppants, LLC is proposing to construct and operate a sand plant to be located at 2561 Miller County 4, Doddridge, AR 71834. The facility submitted an application for an initial minor source permit. The facility will be permitted at 78.2 tpy PM, 41.0 tpy PM_{10}, 0.6 tpy SO_2, 4.2 tpy VOC, 64.2 tpy CO, 78.0 tpy NO_x, and 2.9 tpy Total HAP.

Process Description

The facility is a proppant ("frac sand") production facility and material process consisting of mining, handling, washing, drying, screening, storage, and distribution operations.

Sand is surface mined by front end loader from onsite, and transported via belt conveyor to a wet plant operation that washes and wet sizes the grains of sand. The sand exiting the wet plant has a moisture content of around 12%. This sand is transported by inclined belt conveyors onto trip conveyors that build linear damp sand stockpiles, where the damp sand is allowed to sit for a period of time to reduce its moisture content to a 3%-6% range by evaporation and natural drainage. Drag conveyors reclaim this lower moisture content sand by dragging it and depositing it on a belt conveyor that feeds the sand to three sand dryers. Should operational issues hamper the drag conveyor operation, the wet sand may also be transferred to a hopper via front end loader from the damp sand stockpile, and conveyed to the dryers.

Damp sand is conveyed to two natural gas fired dryers, where moisture is evaporated. A separate fabric filter controls emissions from each of the dryers. The dried sand is then conveyed via a totally enclosed bucket elevator to a screening operation and then via another totally enclosed bucket conveyor to the storage silos. The six sand storage silos are equipped with passive vent fabric filters. Trucks are gravity loaded at the bottom of the silos using a telescoping spout to reduce dust emissions.

All sand handling/transporting, processing, load out and storage equipment within the dry process plant have dust collection pickup points which are directed to the baghouses.

Regulations

The following table contains the regulations applicable to this permit.

Regulations
Arkansas Air Pollution Control Code, Regulation 18, effective March 14, 2016
Regulations of the Arkansas Plan of Implementation for Air Pollution Control, Regulation 19, effective March 14, 2016

Regulations
40 CFR Part 60, Subpart UUU – *Standards of Performance for Calciners and Dryers in Mineral Industries*

Total Allowable Emissions

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

TOTAL ALLOWABLE EMISSIONS		
Pollutant	Emission Rates	
	lb/hr	tpy
PM	18.6	78.2
PM_{10}	10.8	41.0
$PM_{2.5}$	See Note*	
SO_2	0.2	0.6
VOC	1.0	4.2
CO	14.8	64.2
NO_x	17.8	78.0
Total HAP	0.70	2.90

*$PM_{2.5}$ limits are source specific, if required. Not all sources have $PM_{2.5}$ limits.

Section III: PERMIT HISTORY

Permit #2400-A is the initial permit for this facility.

Section IV: EMISSION UNIT INFORMATION

Specific Conditions

1. The permittee shall not exceed the emission rates set forth in the following table. The facility certifies that annual and hourly emissions from the processing of sand at the facility have been calculated at full load for continuous operation and no calculated recordkeeping of sand received is required. [Reg.19.501 *et seq.* and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

SN	Description	Pollutant	lb/hr	tpy
01	Mining Site to Conveyor	PM_{10}	3.6	15.5
02	Loading Hopper	PM_{10}	1.1	4.7
03	Hopper to Conveyor	PM_{10}	0.6	2.4
04	Conveyor to Wet Screen deck	PM_{10}	0.4	1.4
05	Hydracyclone to Belt	PM_{10}	0.1	0.1
06	Belt to Conveyor	PM_{10}	0.1	0.2
07	Conveyor to Stacker	PM_{10}	0.1	0.2
08	Wet Stockpiles	PM_{10}	0.3	1.0
09A	Dryer A (89 MMBtu/hr)	PM_{10} SO_2 VOC CO NO_x	1.0 0.1 0.5 7.4 8.9	4.4 0.3 2.1 32.1 39.0
09B	Dryer B (89 MMBtu/hr)	PM_{10} SO_2 VOC CO NO_x	1.0 0.1 0.5 7.4 8.9	4.4 0.3 2.1 32.1 39.0
16A 16B 16C	Screens (captured and routed to baghouse)	PM_{10}	0.6	2.3
17A 17B 17C	Screens to Conveyor (captured and routed to baghouse)	PM_{10}	0.2	0.8
18A 18B 18C	Conveyor to Bucket Elevator (captured and routed to	PM_{10}	0.2	0.8

SN	Description	Pollutant	lb/hr	tpy
	baghouse)			
19A1	Storage Silo 1 (with fabric filters)	PM_{10}	0.1	0.1
19A2	Storage Silo 2 (with fabric filters)	PM_{10}	0.1	0.1
19B1	Storage Silo 3 (with fabric filters)	PM_{10}	0.1	0.1
19B2	Storage Silo 4 (with fabric filters)	PM_{10}	0.1	0.1
19C1	Storage Silo 5 (with fabric filters)	PM_{10}	0.1	0.1
19C2	Storage Silo 6 (with fabric filters)	PM_{10}	0.1	0.1
20A1	Truck Loadout Station 1 (with baghouse and telescoping loading spout)	PM_{10}	0.1	0.2
20A2	Truck Loadout Station 2 (with baghouse and telescoping loading spout)	PM_{10}	0.1	0.2
20B1	Truck Loadout Station 3 (with baghouse and telescoping loading spout)	PM_{10}	0.1	0.2
20B2	Truck Loadout Station 4 (with baghouse and telescoping loading spout)	PM_{10}	0.1	0.2
20C1	Truck Loadout Station 5 (with baghouse and telescoping loading spout)	PM_{10}	0.1	0.2
20C2	Truck Loadout Station 6 (with baghouse and telescoping loading spout)	PM_{10}	0.1	0.2
21	Conveyor of Reject Sand from Dry Plant to Wet Plant/Mine	PM_{10}	0.3	1.0

2. The permittee shall not exceed the emission rates set forth in the following table. The facility certifies that annual and hourly emissions from the processing of sand at the facility have been calculated at full load for continuous operation and no calculated recordkeeping of sand received is required. [Reg.18.801 and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

SN	Description	Pollutant	lb/hr	tpy
01	Mining Site to Conveyor	PM	7.5	32.8
02	Loading Hopper	PM	2.3	9.9
03	Hopper to Conveyor	PM	1.2	5.0
04	Conveyor to Wet Screen deck	PM	0.7	3.0
05	Hydracyclone to Belt	PM	0.1	0.1
06	Belt to Conveyor	PM	0.1	0.3
07	Conveyor to Stacker	PM	0.1	0.3
08	Stockpiles	PM	0.5	1.9
09A	Dryer A (89 MMBtu/hr)	PM Total HAP	1.0 0.33	4.4 1.45
09B	Dryer B (89 MMBtu/hr)	PM Total HAP	1.0 0.33	4.4 1.45
16A 16B 16C	Screens	PM	1.5	6.6
17A 17B 17C	Screens to Conveyor	PM	0.4	1.6
18A 18B 18C	Conveyor to Bucket Elevator	PM	0.4	1.6
19A1	Storage Silo 1	PM	0.1	0.1
19A2	Storage Silo 2	PM	0.1	0.1
19B1	Storage Silo 3	PM	0.1	0.1
19B2	Storage Silo 4	PM	0.1	0.1
19C1	Storage Silo 5	PM	0.1	0.1
19C2	Storage Silo 6	PM	0.1	0.1

SN	Description	Pollutant	lb/hr	tpy
20A1	Truck Loadout Station 1	PM	0.1	0.5
20A2	Truck Loadout Station 2	PM	0.1	0.5
20B1	Truck Loadout Station 3	PM	0.1	0.5
20B2	Truck Loadout Station 4	PM	0.1	0.5
20C1	Truck Loadout Station 5	PM	0.1	0.5
20C2	Truck Loadout Station 6	PM	0.1	0.5
21	Conveyor of Reject Sand from Dry Plant to Wet Plant/Mine	PM	0.6	2.7

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

SN	Limit	Regulatory Citation
05, 06, 07, 16A, 16B, 16C, 17A, 17B, 17, C, 18A, 18B, 18C, 19A1, 19A2, 19B1, 19B2, 19C1, 19C2, 20A1, 20A2, 20B1, 20B2, 20C1, 20C2	5%	§18.501
09A, 09B	10%	§60.732(b)
01, 02, 03, 04, 08, 21	20%	§19.503

4. The permittee shall not cause or permit the emission of air contaminants, including odors or water vapor and including an air contaminant whose emission is not otherwise prohibited by Regulation 18, if the emission of the air contaminant constitutes air pollution within the meaning of Ark. Code Ann. § 8-4-303. [Reg.18.801 and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

5. The permittee shall not conduct operations in such a manner as to unnecessarily cause air contaminants and other pollutants to become airborne. [Reg.18.901 and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

Facility Conditions

6. The permittee shall use only pipeline quality natural gas as fuel for the Dryers (SN-09A and SN-09B). Annual and hourly emissions from the combustion of natural gas at the

dryers have been calculated at full load for continuous operation and no calculated recordkeeping of natural gas is required. [Regulation 19, §19.705 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

NSPS UUU Conditions

7. SN-09A and SN-09B are subject to 40 CFR Part 60, Subpart UUU, Standards of Performance for Calciners and Dryers in Mineral Industries, and shall comply with all requirements applicable in this subpart. The permittee is subject, but not limited to, the following applicable requirements. [Regulation 19, §19.304 and 40 CFR Part 60, Subpart UUU]

8. The permittee shall comply with the emission limitations set forth in this section on and after the date on which the initial performance test required by §60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. No emissions shall be discharged into the atmosphere from any affected facility that [Regulation 19, §19.304 and 40 C.F.R. § 60.732(a&b)]:

    a. Contains particulate matter in excess of 0.057 g/dscm (0.025 gr/dscf) for dryers; and
    b. Exhibits greater than 10 percent opacity, unless the emissions are discharged from an affected facility using a wet scrubbing control device.

9. The permittee uses a dry control device (baghouse) on the industrial sand rotary dryer and is therefore exempt from the monitoring requirements of this section. [Regulation 19, §19.304 and 40 C.F.R. § 60.734(c)]

10. In conducting the performance tests required in §60.8, the permittee shall use the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). [Regulation 19, §19.304 and 40 C.F.R. § 60.736(a)]

11. The permittee shall determine compliance with the particulate matter standards in §60.732 as follows [Regulation 19, §19.304 and 40 C.F.R. § 60.736(b)(1&2)]:

    a. Method 5 shall be used to determine the particulate matter concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm.
    b. Method 9 and the procedures in §60.11 shall be used to determine opacity from stack emissions.

Section V: INSIGNIFICANT ACTIVITIES

The Department deems the following types of activities or emissions as insignificant on the basis of size, emission rate, production rate, or activity in accordance with Group A of the Insignificant Activities list found in Regulation 18 and Regulation 19 Appendix A. Group B insignificant activities may be listed but are not required to be listed in permits. Insignificant activity emission determinations rely upon the information submitted by the permittee in an application dated May 11, 2018. [Reg.19.408 and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

Description	Category
None	

Section VI: GENERAL CONDITIONS

1. Any terms or conditions included in this permit that specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (Ark. Code Ann. § 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 (Ark. Code Ann. § 8-4-101 *et seq.*). Any terms or conditions included in this permit that specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (Ark. Code Ann. § 8-4-101 *et seq.*) as the origin of and authority for the terms or conditions are enforceable under this Arkansas statute.

2. This permit does not relieve the owner or operator of the equipment and/or the facility from compliance with all applicable provisions of the Arkansas Water and Air Pollution Control Act and the regulations promulgated under the Act. [Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

3. The permittee shall notify the Department in writing within thirty (30) days after each of the following events: commencement of construction, completion of construction, first operation of equipment and/or facility, and first attainment of the equipment and/or facility target production rate. [Reg.19.704 and/or Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

4. Construction or modification must commence within eighteen (18) months from the date of permit issuance. [Reg.19.410(B) and/or Reg.18.309(B) and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

5. The permittee must keep records for five years to enable the Department to determine compliance with the terms of this permit such as hours of operation, throughput, upset conditions, and continuous monitoring data. The Department may use the records, at the discretion of the Department, to determine compliance with the conditions of the permit. [Reg.19.705 and/or Reg.18.1004 and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

6. A responsible official must certify any reports required by any condition contained in this permit and submit any reports to the Department at the address below. [Reg.19.705 and/or Reg.18.1004 and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

   Arkansas Department of Environmental Quality
   Office of Air Quality
   ATTN: Compliance Inspector Supervisor

5301 Northshore Drive
North Little Rock, AR 72118-5317

7. The permittee shall test any equipment scheduled for testing, unless stated in the Specific Conditions of this permit or by any federally regulated requirements, within the following time frames: (1) newly constructed or modified equipment within sixty (60) days of achieving the maximum production rate, but no later than 180 days after initial start up of the permitted source or (2) existing equipment already operating according to the time frames set forth by the Department. The permittee must notify the Department of the scheduled date of compliance testing at least fifteen (15) business days in advance of such test. The permittee must submit compliance test results to the Department within sixty (60) calendar days after the completion of testing. [Reg.19.702 and/or Reg.18.1002 and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

8. The permittee shall provide: [Reg.19.702 and/or Reg.18.1002 and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

   a. Sampling ports adequate for applicable test methods;
   b. Safe sampling platforms;
   c. Safe access to sampling platforms; and
   d. Utilities for sampling and testing equipment

9. The permittee shall operate equipment, control apparatus and emission monitoring equipment within their design limitations. The permittee shall maintain in good condition at all times equipment, control apparatus and emission monitoring equipment. [Reg.19.303 and/or Reg.18.1104 and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

10. If the permittee exceeds an emission limit established by this permit, the permittee will be deemed in violation of said permit and will be subject to enforcement action. The Department may forego enforcement action for emissions exceeding any limits established by this permit provided the following requirements are met: [Reg.19.601 and/or Reg.18.1101 and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

    a. The permittee demonstrates to the satisfaction of the Department that the emissions resulted from an equipment malfunction or upset and are not the result of negligence or improper maintenance, and the permittee took all reasonable measures to immediately minimize or eliminate the excess emissions.
    b. The permittee reports the occurrence or upset or breakdown of equipment (by telephone, facsimile, or overnight delivery) to the Department by the end of the next business day after the occurrence or the discovery of the occurrence.
    c. The permittee must submit to the Department, within five business days after the occurrence or the discovery of the occurrence, a full, written report of such occurrence, including a statement of all known causes and of the scheduling and

nature of the actions to be taken to minimize or eliminate future occurrences, including, but not limited to, action to reduce the frequency of occurrence of such conditions, to minimize the amount by which said limits are exceeded, and to reduce the length of time for which said limits are exceeded. If the information is included in the initial report, the information need not be submitted again.

11. The permittee shall allow representatives of the Department upon the presentation of credentials: [Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

    a. To enter upon the permittee's premises, or other premises under the control of the permittee, where an air pollutant source is located or in which any records are required to be kept under the terms and conditions of this permit;
    b. To have access to and copy any records required to be kept under the terms and conditions of this permit, or the Act;
    c. To inspect any monitoring equipment or monitoring method required in this permit;
    d. To sample any emission of pollutants; and
    e. To perform an operation and maintenance inspection of the permitted source.

12. The Department issued this permit in reliance upon the statements and presentations made in the permit application. The Department has no responsibility for the adequacy or proper functioning of the equipment or control apparatus. [Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

13. The Department may revoke or modify this permit when, in the judgment of the Department, such revocation or modification is necessary to comply with the applicable provisions of the Arkansas Water and Air Pollution Control Act and the regulations promulgated the Arkansas Water and Air Pollution Control Act. [Reg.19.410(A) and/or Reg.18.309(A) and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

14. This permit may be transferred. An applicant for a transfer must submit a written request for transfer of the permit on a form provided by the Department and submit the disclosure statement required by Arkansas Code Annotated §8-1-106 at least thirty (30) days in advance of the proposed transfer date. The permit will be automatically transferred to the new permittee unless the Department denies the request to transfer within thirty (30) days of the receipt of the disclosure statement. The Department may deny a transfer on the basis of the information revealed in the disclosure statement or other investigation or, deliberate falsification or omission of relevant information. [Reg.19.407(B) and/or Reg.18.307(B) and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

15. This permit shall be available for inspection on the premises where the control apparatus is located. [Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

16. This permit authorizes only those pollutant emitting activities addressed herein. [Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

17. This permit supersedes and voids all previously issued air permits for this facility. [Reg. 18 and/or Reg. 19 and Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311]

18. The permittee must pay all permit fees in accordance with the procedures established in Regulation 9. [Ark. Code Ann. § 8-1-105(c)]

19. The permittee may request in writing and at least 15 days in advance of the deadline, an extension to any testing, compliance or other dates in this permit. No such extensions are authorized until the permittee receives written Department approval. The Department may grant such a request, at its discretion in the following circumstances:

    a. Such an extension does not violate a federal requirement;
    b. The permittee demonstrates the need for the extension; and
    c. The permittee documents that all reasonable measures have been taken to meet the current deadline and documents reasons it cannot be met.

    [Reg.18.314(A) and/or Reg.19.416(A), Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311, and 40 C.F.R. § 52 Subpart E]

20. The permittee may request in writing and at least 30 days in advance, temporary emissions and/or testing that would otherwise exceed an emission rate, throughput requirement, or other limit in this permit. No such activities are authorized until the permittee receives written Department approval. Any such emissions shall be included in the facility's total emissions and reported as such. The Department may grant such a request, at its discretion under the following conditions:

    a. Such a request does not violate a federal requirement;
    b. Such a request is temporary in nature;
    c. Such a request will not result in a condition of air pollution;
    d. The request contains such information necessary for the Department to evaluate the request, including but not limited to, quantification of such emissions and the date/time such emission will occur;
    e. Such a request will result in increased emissions less than five tons of any individual criteria pollutant, one ton of any single HAP and 2.5 tons of total HAPs; and
    f. The permittee maintains records of the dates and results of such temporary emissions/testing.

[Reg.18.314(B) and/or Reg.19.416(B), Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311, and 40 C.F.R. § 52 Subpart E]

21. The permittee may request in writing and at least 30 days in advance, an alternative to the specified monitoring in this permit. No such alternatives are authorized until the permittee receives written Department approval. The Department may grant such a request, at its discretion under the following conditions:
    a. The request does not violate a federal requirement;
    b. The request provides an equivalent or greater degree of actual monitoring to the current requirements; and
    c. Any such request, if approved, is incorporated in the next permit modification application by the permittee.

    [Reg.18.314(C) and/or Reg.19.416(C), Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311, and 40 C.F.R. § 52 Subpart E]

22. Any credible evidence based on sampling, monitoring, and reporting may be used to determine violations of applicable emission limitations. [Reg.18.1001, Reg.19.701, Ark. Code Ann. § 8-4-203 as referenced by Ark. Code Ann. §§ 8-4-304 and 8-4-311, and 40 C.F.R. § 52 Subpart E]

Appendix A
40 CFR Part 60, Subpart UUU
Standards of Performance for Calciners and Dryers in Mineral Industries

Subpart UUU—Standards of Performance for Calciners and Dryers in Mineral Industries

SOURCE: 57 FR 44503, Sept. 28, 1992, unless otherwise noted.

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§60.730 Applicability and designation of affected facility.

(a) The affected facility to which the provisions of this subpart apply is each calciner and dryer at a mineral processing plant. Feed and product conveyors are not considered part of the affected facility. For the brick and related clay products industry, only the calcining and drying of raw materials prior to firing of the brick are covered.

(b) An affected facility that is subject to the provisions of subpart LL, Metallic Mineral Processing Plants, is not subject to the provisions of this subpart. Also, the following processes and process units used at mineral processing plants are not subject to the provisions of this subpart: vertical shaft kilns in the magnesium compounds industry; the chlorination-oxidation process in the titanium dioxide industry; coating kilns, mixers, and aerators in the roofing granules industry; and tunnel kilns, tunnel dryers, apron dryers, and grinding equipment that also dries the process material used in any of the 17 mineral industries (as defined in §60.731, “Mineral processing plant”).

(c) The owner or operator of any facility under paragraph (a) of this section that commences construction, modification, or reconstruction after April 23, 1986, is subject to the requirements of this subpart.

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§60.731 Definitions.

As used in this subpart, all terms not defined herein shall have the meaning given them in the Clean Air Act and in subpart A of this part.

Calciner means the equipment used to remove combined (chemically bound) water and/or gases from mineral material through direct or indirect heating. This definition includes expansion furnaces and multiple hearth furnaces.

Control device means the air pollution control equipment used to reduce particulate matter emissions released to the atmosphere from one or more affected facilities.

Dryer means the equipment used to remove uncombined (free) water from mineral material through direct or indirect heating.

Installed in series means a calciner and dryer installed such that the exhaust gases from one flow through the other and then the combined exhaust gases are discharged to the atmosphere.

Mineral processing plant means any facility that processes or produces any of the following minerals, their concentrates or any mixture of which the majority (>50 percent) is any of the following minerals or a combination of these minerals: alumina, ball clay, bentonite, diatomite, feldspar, fire clay, fuller's earth, gypsum, industrial sand, kaolin, lightweight aggregate, magnesium compounds, perlite, roofing granules, talc, titanium dioxide, and vermiculite.

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§60.732 Standards for particulate matter.

Each owner or operator of any affected facility that is subject to the requirements of this subpart shall comply with the emission limitations set forth in this section on and after the date on which the initial performance test required by §60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. No emissions shall be discharged into the atmosphere from any affected facility that:

(a) Contains particulate matter in excess of 0.092 gram per dry standard cubic meter (g/dscm) [0.040 grain per dry standard cubic foot (gr/dscf)] for calciners and for calciners and dryers installed in series and in excess of 0.057 g/dscm (0.025 gr/dscf) for dryers; and

(b) Exhibits greater than 10 percent opacity, unless the emissions are discharged from an affected facility using a wet scrubbing control device.

[57 FR 44503, Sept. 28, 1992, as amended at 65 FR 61778, Oct. 17, 2000]

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§60.733 Reconstruction.

The cost of replacement of equipment subject to high temperatures and abrasion on processing equipment shall not be considered in calculating either the “fixed capital cost of the new components” or

the “fixed capital cost that would be required to construct a comparable new facility” under §60.15. Calciner and dryer equipment subject to high temperatures and abrasion are: end seals, flights, and refractory lining.

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§60.734 Monitoring of emissions and operations.

(a) With the exception of the process units described in paragraphs (b), (c), and (d) of this section, the owner or operator of an affected facility subject to the provisions of this subpart who uses a dry control device to comply with the mass emission standard shall install, calibrate, maintain, and operate a continuous monitoring system to measure and record the opacity of emissions discharged into the atmosphere from the control device.

(b) In lieu of a continuous opacity monitoring system, the owner or operator of a ball clay vibrating grate dryer, a bentonite rotary dryer, a diatomite flash dryer, a diatomite rotary calciner, a feldspar rotary dryer, a fire clay rotary dryer, an industrial sand fluid bed dryer, a kaolin rotary calciner, a perlite rotary dryer, a roofing granules fluid bed dryer, a roofing granules rotary dryer, a talc rotary calciner, a titanium dioxide spray dryer, a titanium dioxide fluid bed dryer, a vermiculite fluid bed dryer, or a vermiculite rotary dryer who uses a dry control device may have a certified visible emissions observer measure and record three 6-minute averages of the opacity of visible emissions to the atmosphere each day of operation in accordance with Method 9 of appendix A of part 60.

(c) The owner or operator of a ball clay rotary dryer, a diatomite rotary dryer, a feldspar fluid bed dryer, a fuller's earth rotary dryer, a gypsum rotary dryer, a gypsum flash calciner, gypsum kettle calciner, an industrial sand rotary dryer, a kaolin rotary dryer, a kaolin multiple hearth furnace, a perlite expansion furnace, a talc flash dryer, a talc rotary dryer, a titanium dioxide direct or indirect rotary dryer or a vermiculite expansion furnace who uses a dry control device is exempt from the monitoring requirements of this section.

(d) The owner or operator of an affected facility subject to the provisions of this subpart who uses a wet scrubber to comply with the mass emission standard for any affected facility shall install, calibrate, maintain, and operate monitoring devices that continuously measure and record the pressure loss of the gas stream through the scrubber and the scrubbing liquid flow rate to the scrubber. The pressure loss monitoring device must be certified by the manufacturer to be accurate within 5 percent of water column gauge pressure at the level of operation. The liquid flow rate monitoring device must be certified by the manufacturer to be accurate within 5 percent of design scrubbing liquid flow rate.

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§60.735 Recordkeeping and reporting requirements.

(a) Records of the measurements required in §60.734 of this subpart shall be retained for at least 2 years.

(b) Each owner or operator who uses a wet scrubber to comply with §60.732 shall determine and record once each day, from the recordings of the monitoring devices in §60.734(d), an arithmetic average over a 2-hour period of both the change in pressure of the gas stream across the scrubber and the flowrate of the scrubbing liquid.

(c) Each owner or operator shall submit written reports semiannually of exceedances of control device operating parameters required to be monitored by §60.734 of this subpart. For the purpose of these reports, exceedances are defined as follows:

(1) All 6-minute periods during which the average opacity from dry control devices is greater than 10 percent; or

(2) Any daily 2-hour average of the wet scrubber pressure drop determined as described in §60.735(b) that is less than 90 percent of the average value recorded according to §60.736(c) during the most recent performance test that demonstrated compliance with the particulate matter standard; or

(3) Each daily wet scrubber liquid flow rate recorded as described in §60.735(b) that is less than 80 percent or greater than 120 percent of the average value recorded according to §60.736(c) during the most recent performance test that demonstrated compliance with the particulate matter standard.

(d) The requirements of this section remain in force until and unless the Agency, in delegating enforcement authority to a State under section 111(c) of the Clean Air Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such State. In that event, affected facilities within the State will be relieved of the obligation to comply with this section provided that they comply with the requirements established by the State.

[57 FR 44503, Sept. 28, 1992, as amended at 58 FR 40591, July 29, 1993]

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§60.736 Test methods and procedures.

(a) In conducting the performance tests required in §60.8, the owner or operator shall use the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b).

(b) The owner or operator shall determine compliance with the particulate matter standards in §60.732 as follows:

(1) Method 5 shall be used to determine the particulate matter concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm.

(2) Method 9 and the procedures in §60.11 shall be used to determine opacity from stack emissions.

(c) During the initial performance test of a wet scrubber, the owner or operator shall use the monitoring devices of §60.734(d) to determine the average change in pressure of the gas stream across the scrubber and the average flowrate of the scrubber liquid during each of the particulate matter runs. The arithmetic averages of the three runs shall be used as the baseline average values for the purposes of §60.735(c).

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§60.737 Delegation of authority.

(a) In delegating implementation and enforcement authority to a State under section 111(c) of the Act, the authorities contained in paragraph (b) of this section shall be retained by the Administrator and not transferred to a State.

(b) Authorities which will not be delegated to States: No restrictions.

CERTIFICATE OF SERVICE

I, Cynthia Hook, hereby certify that a copy of this permit has been mailed by first class mail to Performance Proppants, LLC, 4803 Benton Street, Bossier City, LA, 71111, on this 31st day of July, 2018.

Cynthia Hook, ASIII, Office of Air Quality