

**PRECONSTRUCTION ANALYSIS**  
**FOR**  
**REED MATERIALS, LLC**  
**712-0109**  
**UNIT NO. X001**

Reed Materials, LLC, of Union Grove, AL, has applied to the ADEM - Air Division for an Air Permit which would authorize the construction and operation of a limestone crushing, screening, and conveying circuit located at 183 Gum Pond Rd., Baileyton, Morgan County, AL. Reed Materials, LLC, is applying for an Air Permit for the following circuit:

**X001 – 700 TPH Crushing, Screening, and Conveying Circuit with Wet Suppression  
(NSPS, Subpart OOO/SIP)**

**Process Description:**

Aggregate material would be fed, by front end loader or excavator, into the primary crushing, screening, and conveying circuit. Material would flow through the circuit where it will either be distributed into a stockpile or move through the circuit for further processing. Processed material from the screen would then be conveyed to different sizing stockpiles. (See flow diagram in the application.)

All equipment associated with this process is subject to either the State Implementation Plan (SIP) or the New Source Performance Standards (40 CFR Part 60, Subpart OOO-Standards of Performance for Nonmetallic Mineral Processing Plants). 40 CFR Part 60, Subpart OOO NSPS limits visible emissions from uncontrolled crushers to 12% opacity and limits visible emissions from grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins, and enclosed truck or railcar loading stations, or from any other affected facility to 7% opacity. Wet processes are exempt from regulation by this subpart. In addition to the opacity requirements, there are periodic monitoring and testing requirements, as well as recordkeeping requirements to remain in compliance with NSPS Subpart OOO, as promulgated on April 28, 2009. Monthly inspections are required for all spray nozzles in wet suppression areas and for areas controlled by carry over moisture from upstream wet suppression. If inspections of the upstream spray nozzles are not conducted, the carryover areas will be subject to the five year interval retest requirement. All areas not controlled by wet suppression or carry over shall be required to retest every five years. Records of all periodic monitoring inspections, dates, results, and any corrective action taken shall be kept at the facility site, available for inspection and shall be retained for a minimum of five years.

Reed Materials, LLC, will be required to conduct EPA Method 9 Visible Emissions Observations on the NSPS equipment associated with this circuit. Any equipment exempt from NSPS is subject to the State Implementation Plan (SIP).

**Process X001**

<i>Manufacturer</i>	<i>Type</i>	<i>Maximum Operating Capacity</i>	<i>Manufacturer's Date</i>	<i>NSPS/SIP</i>	<i>Testing?</i>
Astec	Vibrating Grizzly Feeder VFT1	700 TPH	2017	SIP	No
Astec	Vibrating Pan Feeder VFT2	500 TPH	2023	NSPS	Yes
KPI-JCI	Vibrating Pan Feeder VFT3	400 TPH	2019	NSPS	Yes
KPI-JCI	Jaw Crusher CR1	700 TPH	2017	NSPS	Yes
Astec	Horizontal Crusher CR2	500 TPH	2023	NSPS	Yes
KPI-JCI	Crusher CR3	400 TPH	2019	NSPS	Yes
KPI-JCI	Under Screen Conveyor C1	700 TPH	2017	NSPS	Yes
Astec	Conveyor C2	520 TPH	2022	NSPS	Yes
Astec	Fold Out Conveyor C3	300 TPH	2022	NSPS	Yes
Astec	Fold Out Conveyor C4	300 TPH	2022	NSPS	Yes
Astec	Conveyor C5	500 TPH	2022	NSPS	Yes
Astec	Conveyor C6	500 TPH	2022	NSPS	Yes
Astec	Radial Stacker C7	300 TPH	2022	NSPS	Yes
Astec	Under Crusher Conveyor C8	500 TPH	2023	NSPS	Yes
Astec	Conveyor C9	600 TPH	2023	NSPS	Yes
Astec	Conveyor C10	600 TPH	2023	NSPS	Yes
Astec	Conveyor C11	300 TPH	2023	NSPS	Yes
Astec	Fold Out Conveyor C12	300 TPH	2023	NSPS	Yes
Astec	Under Screen Conveyor C13	60 TPH	2023	NSPS	Yes
Astec	Fold Out Conveyor C14	300 TPH	2023	NSPS	Yes
Astec	Conveyor C15	500 TPH	2023	NSPS	Yes
Astec	Conveyor C16	500 TPH	2023	NSPS	Yes
Superior	Conveyor C17	300 TPH	2023	NSPS	Yes
KPI-JCI	Under Crusher Conveyor C18	400 TPH	2019	NSPS	Yes
Astec	Conveyor C19	350 TPH	2023	NSPS	Yes
Superior	Radial Stacker C20	300 TPH	2023	NSPS	Yes
Superior	Radial Stacker C21	300 TPH	2023	NSPS	Yes
Astec	Scalping Screen SCR1	520 TPH	2022	NSPS	Yes

Astec	Triple Deck Screen SCR2	600 TPH	2023	NSPS	Yes
Astec	Screen SCR3	350 TPH	2023	NSPS	Yes

The expected fugitive emissions rate for the proposed plant would be **9.81 TPY**. There is no allowable emissions rate for fugitive or dust emissions. Therefore, the uncontrolled, controlled, and expected emission rate calculations for this circuit can be found in Appendix A. Note: these calculations are furnished as public information and used to demonstrate the effectiveness of the wet suppression systems based on emissions factors taken from an EPA approved source of emission factors. By definition, fugitive emissions from this process would not be considered in determining Prevention of Significant Deterioration (PSD) or Title V applicability.

Reed Materials, LLC, will utilize 8 diesel-fired engines to supply power for this plant. Expected emissions from the diesel engines have been calculated for informational purposes and can be found in Appendix A. The engines are affected sources under 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (the "RICE MACT"). The proposed engines would be considered new affected sources since the 520 Hp engines were constructed after December 19, 2002, and the 6 smaller engines were constructed after June 12, 2006. According to §63.6590(c), any new stationary "RICE" located at an area source of HAP emissions must meet the requirements of the "RICE MACT" by meeting the requirements of 40 CFR 60, Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. Engine manufacturers' certifications were provided with the applications.

This facility is located within 100 km of the Sipsey Class I Wilderness. The construction and operation of this plant is not anticipated to significantly impact this area.

This facility would not be considered "major" for any criteria pollutant and, therefore, would not be required to undergo the PSD process. This site would be considered a Greenfield site and Reed Materials, LLC, would be required to complete a 30-day public comment period, a joint public notice with the Water Division.

An Environmental Justice analysis was performed utilizing EPAs EJSCREEN tool and the Council on Environmental Quality's Climate and Economic Justice (Justice 40) screening tool. Due to the low emissions expected from the operations at the proposed facility, it was determined that enhanced outreach is not necessary.

Based on this information, this analysis indicates that this source would meet the requirements of all ADEM - Air Division rules and regulations. I recommend that an Air Permit be issued to Reed Materials, LLC, incorporating the provisions of Appendix B and Appendix C, the cover letter.



Emily Williams  
 Energy Branch  
 Air Division  
 September 26, 2023

**Appendix A**  
**CALCULATIONS**  
**REED MATERIALS, LLC 712-0109**  
**UNIT X001**

**X001-** 700 TPH Crushing, Screening, and Conveying Circuit with Wet Suppression (NSPS Subpart OOO/SIP).

*Equipment:* 3 Crushers, 3 Screens, and 24 Associated Belt Conveyors (including 3 Feeders)

*Hours of Operation:* 8 hrs/day x 5 days/wk x 52 wks/yr = 2080 hours /year

*Pollution Control:* Wet Suppression

**Allowable Emission:** There is no allowable particulate emission rate limiting fugitive emissions for any of these processes.

**Uncontrolled/Controlled Emissions:** Emission factors taken from EPA AP-42, Table 11.19.2-2

Source			Uncontrolled		Controlled	
		Units	Total PM	PM-10	Total PM	PM-10
<b>Crushing Emission Factor</b>		lb/Ton	<b>0.0054</b>	<b>0.0024</b>	<b>0.0012</b>	<b>0.00054</b>
Capacity	700	TPH				
<b>Total (# TPH * EF# lb/Ton)</b>		lb/hr	3.78	1.68	0.84	0.378
	8760	hrs/yr				
<b>Total</b> (#lb/hr*#hrs/yr*(1/2000)Ton/lbs)		TPY	16.5564	7.3584	3.6792	1.65564
	2080	hrs/yr				
<b>Expected</b> (#lb/hr*exp#hrs/yr*(1/2000)Ton/lbs)		TPY	3.9312	1.7472	0.8736	0.39312
<b>Screening Emission Factor</b>		lb/Ton	<b>0.025</b>	<b>0.0087</b>	<b>0.0022</b>	<b>0.00074</b>
Capacity	700	TPH				
<b>Total (# TPH * EF# lb/Ton)</b>		lb/hr	17.5	6.09	1.54	0.518
	8760	hrs/yr				
<b>Total</b> (#lb/hr*#hrs/yr*1/2000Ton/lbs)		TPY	76.65	26.6742	6.7452	2.26884
	2080	hrs/yr				
<b>Expected</b> (#lb/hr*exp#hrs/yr*1/2000Ton/lbs)		TPY	18.2	6.3336	1.6016	0.53872
<b>Conveying/ Transfer Point Emission Factor</b>		lb/Ton	<b>0.003</b>	<b>0.0011</b>	<b>0.00014</b>	<b>0.000046</b>
Capacity	700	TPH				
<b>Total (# TPH * EF# lb/Ton)</b>		lb/hr	2.1	0.77	0.098	0.0322
	8760	hrs/yr				
<b>Total</b> (#lb/hr*#hrs/yr*1/2000Ton/lbs)		TPY	9.198	3.3726	0.42924	0.141036
	2080	hrs/yr				
<b>Expected</b> (#lb/hr*exp#hrs/yr*1/2000Ton/lbs)		TPY	2.184	0.8008	0.10192	0.033488

**Total Uncontrolled Emissions:**

Crushing	16.56 TPH x 3 crushers = 49.68 TPH
Screening	76.65 TPH x 3 Screens = 229.95 TPH
<u>Conveying</u>	<u>9.20 TPH x 24 Conveyors = 220.80 TPH</u>
<b>Total</b>	500.43 TPY at 8760 hrs/yr

**Total Controlled Emissions:**

Crushing	3.68 TPH x 3 crushers = 11.04 TPH
Screening	6.75 TPH x 3 Screens = 20.25 TPH
<u>Conveying</u>	<u>0.43 TPH x 24 Conveyors = 10.32 TPH</u>
<b>Total</b>	41.61 TPY at 8760 hrs/yr

**Expected Emissions:** Based on 2080 Actual Hours of Operation and the AP-42 particulate controlled emission factor.

Crushing	0.87 TPH x 3 crushers = 2.61 TPH
Screening	1.60 TPH x 3 Screens = 4.80 TPH
<u>Conveying</u>	<u>0.10 TPH x 24 Conveyors = 2.40 TPH</u>
<b>Total</b>	9.81 TPY at 2080 hrs/yr

## CALCULATIONS FOR ENGINES

*Equipment:* Three 50 Hp Deutz Diesel Engines

*Hours of Operation:* 2080 hours/year

*Pollution Control:* Not applicable

**Allowable Emission Rate:** 40 CFR 60, Subpart III

**Uncontrolled Emissions:** Emission factors taken from AP-42 Table 3.3-1 Emission Factors for Uncontrolled Gasoline and Diesel Engines.

### NO<sub>x</sub> Emissions

NO<sub>x</sub> Emission Factor 0.031 lb/Hp-hr, AP-42 Table 3.3-1.

50 Hp	0.031 lb Hp-hr	2080 hrs Yr	1 T 2000 lbs	= 1.61 T Yr
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**Total:** 1.61 TPY x 3= 4.83 TPY

### SO<sub>x</sub> Emissions

SO<sub>x</sub> Emission Factor 2.05 E-03 lb/Hp-hr, AP-42, Table 3.3-1.

50 Hp	0.00205 lb HP-hr	2080 hrs Yr	1 T 2000 lbs	= 0.11 T Yr
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**Total:** 0.11 TPY x 3= 0.33 TPY

### CO Emissions

CO Emission Factor 6.68 E-03 lb/Hp-hr, AP-42, Table 3.3-1.

50 Hp	0.00668 lb Hp-hr	2080 hrs 1Yr	1 T 2000 lbs	= 0.35 T Yr
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**Total:** 0.35 TPY x 3= 1.05 TPY

### PM Emissions

PM Emission Factor 2.20 E-03 lb/Hp-hr, AP-42, Table 3.3-1.

50 Hp	0.00220 lb Hp-hr	2080 hrs Yr	1 T 2000 lbs	= 0.11 T Yr
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**Total:** 0.11 TPY x 3= 0.33 TPY

*Equipment:* Two 520 Hp Caterpillar Diesel Engines

*Hours of Operation:* 2080 hours/year

*Pollution Control:* Not applicable

**Allowable Emission Rate:** 40 CFR 60, Subpart III

**Uncontrolled Emissions:** Emission factors taken from AP-42 Table 3.3-1 Emission Factors for Uncontrolled Gasoline and Diesel Engines.

**NO<sub>x</sub> Emissions**

NO<sub>x</sub> Emission Factor 0.031 lb/Hp-hr, AP-42 Table 3.3-1.

520 Hp	0.031 lb Hp-hr	2080 hrs Yr	1 T 2000 lbs	= 16.76 T Yr
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**Total:** 16.76 TPY x 2= 33.52 TPY

**SO<sub>x</sub> Emissions**

SO<sub>x</sub> Emission 2.05 E-03 lb/Hp-hr, AP-42, Table 3.3-1.

520 Hp	0.00205 lb Hp-hr	2080 hrs Yr	1 T 2000 lbs	= 1.11 T Yr
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**Total:** 1.11 TPY x 2= 2.22 TPY

**CO Emissions**

CO Emission Factor 6.68 E-03 lb/Hp-hr, AP-42, Table 3.3-1.

520 Hp	0.00668 lb Hp-hr	2080 hrs Yr	1 T 2000 lbs	= 3.61 T Yr
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**Total:** 3.61 TPY x 2=7.22 TPY

**PM Emissions**

PM Emission Factor 2.20 E-03 lb/Hp-hr, AP-42, Table 3.3-1.

520 Hp	0.00220 lb Hp-hr	2080 hrs Yr	1 T 2000 lbs	= 1.19 T Yr
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**Total:** 1.19 TPY x 2= 2.38 TPY



*Equipment:* One 400 Hp Cummins Diesel Engine

*Hours of Operation:* 2080 hours/year

*Pollution Control:* Not applicable

**Allowable Emission Rate:** 40 CFR 60, Subpart IIII

**Uncontrolled Emissions:** Emission factors taken from AP-42 Table 3.3-1 Emission Factors for Uncontrolled Gasoline and Diesel Engines.

**NO<sub>x</sub> Emissions**

NO<sub>x</sub> Emission Factor 0.031 lb/Hp-hr, AP-42 Table 3.3-1.

400 Hp	0.031 lb Hp-hr	2080 hrs Yr	1 T 2000 lbs	= 12.90 T Yr
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**Total:** 12.90 TPY

**SO<sub>x</sub> Emissions**

SO<sub>x</sub> Emission 2.05 E-03 lb/Hp-hr, AP-42, Table 3.3-1.

400 Hp	0.00205 lb Hp-hr	2080 hrs Yr	1 T 2000 lbs	= 0.85 T Yr
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**Total:** 0.85 TPY

**CO Emissions**

CO Emission Factor 6.68 E-03 lb/Hp-hr, AP-42, Table 3.3-1.

400 Hp	0.00668 lb Hp-hr	2080 hrs Yr	1 T 2000 lbs	= 2.78 T Yr
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**Total:** 2.78 TPY

**PM Emissions**

PM Emission Factor 2.20 E-03 lb/Hp-hr, AP-42, Table 3.3-1.

400 Hp	0.00220 lb Hp-hr	2080 hrs Yr	1 T 2000 lbs	= 0.92 T Yr
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**Total:** 0.92 TPY

*Equipment:* Two 121 Hp Caterpillar Diesel Engines

*Hours of Operation:* 2080 hours/year

*Pollution Control:* Not applicable

**Allowable Emission Rate:** 40 CFR 60, Subpart III

**Uncontrolled Emissions:** Emission factors taken from AP-42 Table 3.3-1 Emission Factors for Uncontrolled Gasoline and Diesel Engines.

**NO<sub>x</sub> Emissions**

NO<sub>x</sub> Emission Factor 0.031 lb/Hp-hr, AP-42 Table 3.3-1.

121 Hp	0.031 lb Hp-hr	2080 hrs Yr	1 T 2000 lbs	= 3.90 T Yr
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**Total:** 3.90 TPY x 2=7.80 TPY

**SO<sub>x</sub> Emissions**

SO<sub>x</sub> Emission 2.05 E-03 lb/Hp-hr, AP-42, Table 3.3-1.

121 Hp	0.00205 lb Hp-hr	2080 hrs Yr	1 T 2000 lbs	= 0.26 T Yr
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**Total:** 0.26 TPY x 2= 0.52 TPY

**CO Emissions**

CO Emission Factor 6.68 E-03 lb/Hp-hr, AP-42, Table 3.3-1.

121 Hp	0.00668 lb Hp-hr	2080 hrs Yr	1 T 2000 lbs	= 0.84 T Yr
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**Total:** 0.84 TPY x 2= 1.68 TPY

**PM Emissions**

PM Emission Factor 2.20 E-03 lb/Hp-hr, AP-42, Table 3.3-1.

121 Hp	0.00220 lb Hp-hr	2080 hrs Yr	1 T 2000 lbs	= 0.28 T Yr
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**Total:** 0.28 TPY x 2= 0.56 TPY

**Appendix B**  
**Reed Materials, LLC**  
**Morgan County, Alabama**  
**Permit No. 712-0109-X001**  
**Provisos**

1. This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.
2. This permit is not transferable. Upon sale or legal transfer, the new owner or operator must apply for a permit within 30 days.
3. A new permit application must be made for new sources, replacements, alterations or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants.
4. The permittee shall keep this permit under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.
5. All air pollution control equipment shall be operated at all times while this process is operational. In the event of scheduled maintenance, unscheduled maintenance, or a breakdown of the pollution control equipment, the process shall be shut down as expeditiously as possible (unless this act and subsequent re-start would clearly cause greater emissions than continuing operations of the process for a short period). The Department shall be notified of all such events that exceed **1 hour within 24 hours**. The notification shall include all pertinent facts, including the duration of the process operating without the control device and the level of excess emissions which have occurred. Records of all such events, regardless of reporting requirements, shall be made and maintained for a period of five years. These records shall be available for inspection.
6. This process, including all air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.
7. This permit expires and the application is cancelled if construction has not begun within 24 months of the date of issuance of the permit.
8. On completion of construction of the device(s) for which this permit is issued, written notification of the fact is to be submitted to the Chief of the Air Division. The notification shall indicate whether the device(s) was constructed as proposed in the application. The device(s) shall not be operated until authorization to operate is granted by the Chief of the Air Division. Failure to notify the Chief of the Air Division of completion of construction

**Permit No.: 712-0109-X001**

and/or operation without authorization could result in revocation of this permit.

9. Prior to a date to be specified by the Chief of the Air Division in the authorization to operate, emission tests are to be conducted by persons familiar with and using the EPA Sampling Train and Test Procedure as described in the Code of Federal Regulations, Title 40, Part 60, for the following pollutants. Written tests results are to be reported to the Air Division within 15 working days of completion of testing.

Particulates	( )	Carbon Monoxide	( )
Sulfur Dioxide	( )	Nitrogen Oxides	( )
Volatile Organic Compounds	( )	Visible Emissions	(X)

10. Submittal of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require stack emission testing at any time.
11. Additions and revisions to the conditions of this Permit will be made, if necessary, to ensure that the Department's air pollution control rules and regulations are not violated.
12. Nothing in this permit or conditions thereto shall negate any authority granted to the Department pursuant to the Alabama Environmental Management Act or regulations issued thereunder.
13. This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.
14. The Air Division must be notified in writing at least 10 working days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.

To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:

- (a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.
- (b) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedure requires probe cleaning).

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- (c) A description of the process(es) to be tested, including the feed rate, any operating parameter used to control or influence the operations, and the rated capacity.
- (d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.

A pretest meeting may be held at the request of the source owner or the Department. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis. All test reports must be submitted to the Air Division within 15 days of the actual completion of the test, unless an extension of time is specifically approved by the Air Division.

- 15. Precautions to prevent fugitive dust shall be taken so that provisions of the Department's rules and regulations shall not be violated.
- 16. Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.

Plant or haul roads and grounds shall be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:

- (a) by the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;
- (b) by reducing the speed of vehicular traffic to a point below that at which dust emissions are created;
- (c) by paving;
- (d) by the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions;

Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Department prior to utilization.

- 17. If this plant relocates to another site, this plant's Air Permit remains valid for this site unless or until it is revoked for failure to comply with ADEM Air Division Rules and Regulations. The owner or operator of this plant must provide written notification of the intent to relocate the plant to this site at least two weeks in advance. The written notification should include the planned construction beginning date and the projected startup date.

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Failure to provide this written notification is a violation of this permit condition and is grounds for revocation of this permit.

18. Any performance tests required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.
19. All equipment associated with this process is subject to either the State Implementation Plan (SIP) or the New Source Performance Standards (40 CFR Part 60, Subpart OOO- Standards of Performance for Nonmetallic Mineral Processing Plants). This NSPS limits fugitive emissions from uncontrolled crushers to 12% opacity, and fugitive emissions from grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations, or from any other affected facility to 7 % opacity. This NSPS allows no emissions from wet screening operations.
20. Compliance with the opacity standards for sources subject to NSPS-Subpart OOO will be determined by conducting visible emission observations in accordance with EPA Reference Method 9 (40 CFR Part 60, Appendix A-4). When determining compliance with the fugitive emissions standard for grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins and enclosed truck and railcar loading stations or from any other affected facility of this circuit, the duration of the Method 9 observations are required to be 30 minutes or five six-minute averages. No more than 3 points may be tested concurrently by the same observer. The specified criteria of NSPS - Subpart OOO must be met.

The required performance testing will be conducted within 60 days of the source achieving maximum production rate but no later than 180 days of initial start-up of the facility. The test reports will be submitted to the Department within 15 days of the test date.

21. Recordkeeping is required for all monthly periodic monitoring inspections. Records shall be kept on the facility site, either in a handwritten logbook or in an electronic version suitable for inspection upon request by Air Division inspectors and will be retained for at least five (5) years following the date of the inspection. Records of the inspection date, results, and any corrective action taken shall be recorded. In addition, if wet suppression is not utilized during the inspection, any other control method used should be recorded or circumstances shall be noted.

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22. Periodic monitoring is required for all affected facilities controlled by direct wet suppression and/or water carryover. Each spray nozzle shall be examined monthly to assure water is appropriately supplied to the nozzle and that the water is sprayed from the nozzle correctly. Any corrective action indicated shall be taken within 24 hours of the inspection and completed as expeditiously as possible.
23. The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.
24. The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.
25. Precautions shall be taken by the permittee and its personnel to ensure that no person shall ignite, cause to be ignited, permit to be ignited, or maintain any open fire in such a manner as to cause the Department's rules and regulations applicable to open burning to be violated.
26. Should this facility, at any time, exceed the limits set forth in this permit, this Department must be notified within ten (10) days of the exceedance.

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Date

# AIR PERMIT

**PERMITTEE:** REED MATERIALS, LLC  
**FACILITY NAME:** GUM POND QUARRY  
**LOCATION:** BAILEYTON, ALABAMA

<u>PERMIT NUMBER</u>	<u>DESCRIPTION OF EQUIPMENT, ARTICLE OR DEVICE</u>
712-0109-X001	700 TPH Crushing, Screening, and Conveying Circuit with Wet Suppression (NSPS, Subpart OOO/SIP)

*In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, Ala. Code §§ 22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, Ala. Code §§ 22-22A-1 to 22-22A-17, as amended, and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.*

**ISSUANCE DATE:** [Date]



## Appendix C

[Date]

Mr. Chastin Reed  
Reed Materials, LLC  
1039 Bean Rock Rd  
Union Grove, AL 35175

Dear Mr. Reed:

**RE: Facility No. 712-0109  
Unit X001**

The enclosed Air Permit is issued pursuant to the Department's air pollution control rules and regulations. Please note the conditions (provisions) which must be met in order to retain this Air Permit.

New sources of air pollution receiving approval by an Air Permit must notify the Chief of the Air Division upon completion of construction and prior to operation. Authorization to Operate must then be received from the Chief of the Air Division. Failure to notify the Chief of the Air Division upon completion of construction and/or operation without authorization can result in the revocation of the Air Permit.

Upon receiving the enclosed Air Permit, please review **all** of the provisions. In addition, please be aware that the engines associated with these circuits must meet the requirements in NSPS, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

Should you have any questions or if clarification of permit conditions is required, please do not hesitate to contact Emily Williams at (334) 270-5681 in Montgomery.

Sincerely,

Ronald W. Gore, Chief  
Air Division

RWG/ew

Enclosures



## CHECKLIST FOR ISSUANCE OF PERMITS

Permit No. 712-0109-X001 Type: Air

Company Reed Materials, LLC

Location Baileyton (Morgan County)

Description of Permit Unit: X001 – 700 TPH Crushing, Screening, and Conveying Circuit with Wet Suppression (NSPS, Subpart OOO/SIP)

Pollutant Type:

Particulates	01	Nitrogen Oxides	05	Chlorine	09
Sulfur Oxides	02	Total Reduced Sulfur	06	Hydrogen Sulfide	10
Carbon Monoxide	03	Asbestos	07	Lead	11
Hydrocarbons	04	Beryllium	08	Mercury	12

Pollutant Type	Reported Emissions lb/hr	Method Of Estimate	Uncontrolled Emissions lb/hr	Controlled Emissions lb/hr	Allowable Emissions lb/hr
<b>See Preconstruction Analysis</b>					

Operating Hours Per Year: 2,080

Provisos: See Preconstruction Analysis

Mail To:  
Mr. Chastin Reed  
Reed Materials, LLC  
1039 Bean Rock Rd  
Union Grove, AL 35175

Engineer: E. Williams  
Date: 9/26/2023

Type: PSD \_\_\_\_\_ SMS \_\_\_\_\_ NAME \_\_\_\_\_ MOD \_\_\_\_\_ TEMP \_\_\_\_\_ OTHER X  
Source: NSPS X NESHAP \_\_\_\_\_ SIP X OTHER \_\_\_\_\_