Asheville-Buncombe Air Quality Agency
APPLICATION REVIEW SUMMARY

SECTION A: FACILITY INFORMATION			
Company Name:	Smith-Rowe, LLC		
Site Name:	Smith-Rowe, LLC		
Mailing Address:	639 Old US 52 South, Mount Airy, NC 27030		
Site Address:	APAC Buncombe Sites and various locations in Buncombe County		
General Description of Business:	Portable Rock Crusher		
Facility Classification:	Small	**Site Status:**	New

SECTION B: APPLICATION INFORMATION			
Date of Application:	June 11, 2025	**Application Tracking No.:**	NA
Date Complete Application Received:	July 10, 2025	**Board Meeting Date:**	July 24, 2025
Confidentiality Requested?	No	**Board Agenda Type:**	Construct and Operate
Application Results:	With this permit application, Smith-Rowe, LLC is requesting approval to operate their portable rock crusher.		
Permit No. / Date Issued by Application:	11-924-25 / July 24, 2025		
Permit No. / Date Voided by Application:	NA		

SECTION C: REGULATORY INFORMATION	
AB Air Quality Regulations:	4.0510, 4.0521, 4.0524, 4.0540, 4.0605, 17.0311

SECTION D: FACILITY-WIDE EMISSIONS INFORMATION		
Pollutants Reviewed as a Result of this Application or AB Air Quality Action:	**Actual Emissions (TONS/YR) None – New Facility**	**Potential Emissions (TONS/YR)**
PM	--	7.08*
PM-10	--	2.54*
PM-2.5	--	0.27*
SO_2	--	--
NO_X	--	--
CO	--	--
VOC	--	--
Greenhouse Gases - GHG	--	--
All Hazardous Air Pollutants (HAPs)	--	--
List all HAPs >10TPY of potential emissions	None.	

***Emission numbers denoted with an (*) reflect "controlled" emissions (i.e. emissions reduced by a pollution control device).**

IN COMPLIANCE WITH EMISSION STANDARDS / RECOMMEND APPROVAL			
Prepared By:	James C. Raiford / JCR	**Date Completed:**	7/10/25
Reviewed By:	Ashley J. Featherstone / Ashley J. Featherstone	**Date Approved:**	7/17/2025
Director:	Ashley J. Featherstone / Ashley J. Featherstone	**Date Approved:**	7/17/2025

SECTION A DETAILS

FACILITY INFORMATION

[Detailed discussion of any items in Section A]

Smith-Rowe, LLC is proposing to operate a concrete crushing unit in Buncombe County. The process involves loading the concrete or stone and crushing it in an impact crusher followed by screening the concrete or stone and using a conveyor to stack the aggregate for sale or other use. The air emissions resulting from this process are fugitive dust and diesel exhaust. Fugitive dust emissions are controlled by the application of a water spray during the crushing operations. The diesel engine is considered a mobile source covered under Title II of the Clean Air Act.

The facility is requesting an expedited permit to operate at the Harrison Construction – APAC Atlantic sites in Buncombe County. This includes 118 Smokey Park Highway, Candler, NC; 1557 Grovestone Road, Black Mountain; and 450 Goldview Road, Weaverville. The permit request included the $300 permit application fee. Zoning consistency letters were received from Black Mountain on July 8, 2025 and from Buncombe County on July 10, 2025.

SECTION B DETAILS

APPLICATION INFORMATION

[List all emission sources (permitted and exempt) reviewed as a result of this application, their associated control devices and pollutants. Provide a detailed discussion of any other items in Section B at bottom under "Application Notes"]

Emission Source ID	Emission Source Description 1. Type, manufacturer, capacity 2. Control device with ID (if any)	Pollutant(s) Emitted	Miscellaneous Notes
ES1	One (1) portable rock crusher with a facility wide maximum process rate of 275 tons per hour consisting of the following equipment:	PM, PM-10, PM-2.5	The facility is permitted for ES1. ES2 thru ES5 are the attachments at the time of the permit application. The permit allows flexibility with attachments. See notes.
ES1	One (1) portable impact crusher with a rated capacity of 275 tons per hour, powered by one (1) 415-hp diesel engine.	PM, PM-10, PM-2.5	Wet suppression techniques are employed at this piece of equipment. The crusher is a 260 Crusher and was manufactured in 2017.
ES2	One (1) 3-deck portable screen with a maximum rated capacity of 275 tons per hour	PM, PM-10, PM-2.5	Wet suppression techniques are employed at this piece of equipment.
ES3	One (1) 2-deck portable screen with a maximum rated capacity of 275 tons per hour	PM, PM-10, PM-2.5	Wet suppression techniques are employed at this piece of equipment.
ES4 – ES5	Two (2) portable stacking conveyors with a maximum rated capacity of 275 tons per hour.	PM, PM-10, PM-2.5	Wet suppression techniques are employed at these pieces of equipment.

APPLICATION NOTES

Specific Conditions 13 and 14 of the permit outline the equipment notification and reporting requirements. The facility is required to keep an updated list of the equipment with the facility which includes date of manufacture, dimensions of conveyors and screens, and other information. Ten days prior to moving the facility into, within, or out of Buncombe County, the facility needs to notify the Agency of the move and the updated equipment list.

SECTION C DETAILS

REGULATORY INFORMATION

(Identify the AB Air Quality Regulations reviewed because of this application. At a minimum, the regulations already listed should be reviewed and reason given for applicability or non-applicability. If a regulation has a standard, list the standard and indicate how the source is in compliance.)

AB Air Quality Regulation Number / Title	Emission Source ID No(s). Subject	Notes on Regulation (Compliance demonstration, applicability, etc.)
17.0500 – Title V Procedures	NA	The facility does not have potential emissions above the threshold of 100 tons/year for any criteria pollutant, 25 tons/year for any combination of hazardous air pollutants, 10 tons/year for any individual hazardous air pollutant.
17.0700 – Toxic Air Pollutant Procedures	NA	The construction and operation of this facility does not trigger a toxics review.
4.0524 – New Source Performance Standards	ES1-ES5	The facility is subject to NSPS Subpart OOO – "Standards of Performance for Nonmetallic Mineral Processing Plants". The crusher was constructed, modified, or reconstructed after April 22, 2008, it shall not exhibit greater than 12% opacity. The screening operation and conveyor belt were constructed, modified, or reconstructed after April 22, 2008 and they shall not exhibit greater than 7% opacity. Any wet process shall not exhibit any visible emissions. Any facility utilizing wet suppression must perform monthly periodic inspections and maintain logs of inspections of water nozzles. Corrective action must take place within 24 hours or as soon as possible.
4.0530 – Prevention of Significant Deterioration	NA	The facility does not have potential emissions above the threshold of 250 tons/year for any criteria pollutant.
4.0510 – Particulates from Sand, Gravel, and Crushed Stone Operations	All crushers, conveyors, and screens listed on the equipment list	The facility is required to minimize particulate matter emissions so that visible emissions, TSP, and PM-10 levels do not exceed the applicable standards.
4.0540 – Particulates from Fugitive Non-Process Dust Emission Sources	All sources of fugitive non-process dust	The facility will take reasonable precautions to prevent particulate matter from becoming airborne as a result of storage, transportation, processing, and handling of materials.
4.0605 – General Recordkeeping and Reporting Requirements	Entire facility	The facility is required to submit an annual report with the throughput of crushed material.
17.0311 – Permitting of Facilities at Multiple Temporary Sites	Entire facility	The facility is permitted to operate at various locations in Buncombe County. The permittee must notify the agency at least 10 days in advance of each change of location and for sites other than the 3 APAC sites listed on the permit, must obtain a zoning consistency letter for each location or a letter that bears the date of receipt entered by the clerk of the local government that is at least fifteen days prior to the relocation date.

REGULATORY NOTES

This review based on original configuration of the portable crushing unit with its accoutrements.

SECTION D DETAILS				
EMISSION INFORMATION				
Calculation Method Codes (List all that apply)	**1 = Stack test result 2 = Material (mass) balance 3 = EPA approved information (AP-42, CTG, etc.) 4 = Other (specify in table below)**			
Calculation Rejection Codes (List all that apply)	**1 = Calculation error 2 = Wrong emission factor(s) used 3 = Control efficiency(ies) not accepted 4 = Other (specify in table below)**			
Emission Source (ID No.)	**Calculation Method Code**	**Accept or Reject?**	**Calculation Rejection Code**	**AB Air Quality Calculations Attached?**
Entire Facility	3	NA	NA	Yes

EMISSION NOTES

Emissions calculations were performed by the AB Air Quality Agency.

SECTION E

SUPPORTING DOCUMENTATION

(Provide brief description of any attachments)

1. Permit Application Dated June 11, 2025
2. Zoning consistency letters from Buncombe County and Black Mountain.
3. Emission Calculations
4. Draft of Permit
5. Draft of Permit Cover Letter
6. Invoice