

VIA EMAIL

August 15, 2022

Tennessee Department of Environment and Conservation
Division of Air Pollution Control
William R. Snodgrass Tennessee Tower, 15th Floor
312 Rosa L. Parks Blvd.
Nashville, TN 37243
Attn: Technical Secretary

**Re: Carmeuse Lime & Stone
Luttrell Operation
Source 87-0023
Operating Permit Renewal**

Dear Technical Secretary

Carmeuse Lime & Stone agrees to production limitations noted below. This source will be operated as referenced within the permit application with the following throughput restrictions:

Primary Crusher	1200	tons/hour
Secondary Crusher	900	tons/hour
Tertiary Crusher	200	tons/hour

The maximum annual production for this source shall not exceed 5,256,000 tons during any period of 12 consecutive months. The Particulate Matter (TSP) emitted from this source will not exceed 15.59 lb/hr (68.31 tons/yr).

Compliance with these limitations shall be demonstrated by recordkeeping as required by permit.

If you have any questions or comments concerning this correspondence, please feel free to contact me at 205-601-7595.

Regards,



Jackie Padgett
Regional Environmental Manager
Carmeuse Lime & Stone



DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF AIR POLLUTION CONTROL
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 15th Floor, Nashville, TN 37243
Telephone: (615) 532-0554, Email: Air.Pollution.Control@TN.gov

APC 109

**NON-TITLE V PERMIT APPLICATION
ROCK CRUSHING SOURCE DESCRIPTION**

Type or print. Submit for each rock crushing operation. Submit with the APC 100.

GENERAL IDENTIFICATION AND DESCRIPTION

1. Organization's legal name and SOS control number [as registered with the TN Secretary of State (SOS)] Carmeuse Lime & Stone	2. Emission Source Reference Number 87-0023-01
3. Is this air contaminant source subject to an NSPS or NESHAP rule? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If Yes, list rule citation, including Part, Subpart, and applicable Sections: 40 CFR 60, Subpart OOO NSPS for Nonmetallic Mineral Processing Plants	

EQUIPMENT INFORMATION

The applicant must submit an equipment list and flow diagram. The applicant may use the table below to list the equipment or attach a separate sheet of paper for the equipment list. The equipment list must include each crusher, screen, conveyor, bin, pugmill, feeder, agricultural lime, etc. The flow diagram must show each piece of equipment labeled with a reference number.

4. Equipment type (Note 1)	Flow diagram reference number (Note 2)	Size (Note 3)	Operating rate (Tons/Hr.)		Date of manufacture
			Design	Actual	
Primary Crushing & Screening	SN001	44' x 48'	1200	1200	
Secondary Crushing & Screening	SN016		900	900	
Tertiary Crushing & Screening	SN040		200	200	

EMISSION INFORMATION

5. Air contaminants. Emission estimates for each air contaminant emitted from this point should be based on stack sampling results or engineering calculations. Calculations should be attached on a separate sheet. (see instructions for more details)

Particulate Matter emission data:	Flow diagram ref. no. (Note 5)	Average Emissions (Lbs./Hr.)	Maximum Emissions (Lbs./Hr.)	Average Emissions (Tons/Yr)	Potential Emissions (Tons/Yr)	Emissions Estimation method (Note 6)	Control devices (Note 6)	Control efficiency (%)
Primary crushing	SN001	1.444	1.44	6.3072	6.3072	3	061	50-75
Secondary crushing	SN016	0.42	0.42	1.8396	1.8396	3	061	50-75
Tertiary crushing	SN040	1.05	1.05	4.599	4.599	3	061	50-75
Agricultural lime	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Open storage	See Note 1	2.85	2.85	12.47	12.47	3	061	50-75
Enclosed storage	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Conveying & Transferring	See Note 2	1.953	1.953	8.554	8.554	3	061	50-75
Loading out	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Traffic dust	Unpaved	3.66	3.66	16.02	16.02	3	061	50-75
Other (specify) Screening	See Note 3	4.228	4.228	18.52	18.52	3	061	50-75
Other (specify)								
Totals		15.601	15.601	68.33	68.33			

Note 1: Equipment type: The applicant must list each crusher, screen, conveyor, bin, pugmill, feeder, agricultural lime, etc.

Note 2: Flow diagram reference number: The applicant must attach a flow diagram. The flow diagram must show each piece of equipment, including each crusher, screen, conveyor, bin, pugmill, feeder, agricultural lime, etc. Each piece of equipment must be labeled with a reference number.

Note 3: Size: For crushers, size is the design operating rate (in ton/hr.). For screens, size is the dimensions of the top deck of the screen. For conveyors, size is the width of the conveyor. For bins, size is the design capacity in tons.

Note 4: Explain in comments, if necessary.

Note 5: As identified on the flow diagram required in item #3

Note 6: Refer to the instructions for the estimation method and control device codes.

6. Control device. Description of proposed monitoring, recordkeeping, and reporting to assure compliance with emission limits. Include operating parameters of control device (flow rate, temperature, pressure drop, etc.). Throuput limits, and records tracking throughput

ROAD INFORMATION

7. Roads:	Paved (Miles of road)	Unpaved (Miles of road)	Watered (Miles & frequency)	Other control (specify)
Plant yard	0	1	1/day	
Access roads	0	1	1/day	

STOCKPILE INFORMATION

8. Stockpiles:	Estimated annual tons	Turnover rate (Tons/Month)	Wetted as piled	No. of sides enclosed	Other dust control	Loading method (e.g. loader, conveyor) Load in Load out	
Coarse: Over 1"	525600	43800	Yes	0	N/A	Conveyor	Loader
Fine: 1" to 1/4"	306600	25550	Yes	0	N/A	Conveyor	Loader
1/4" and less							
MFG. Sand							
Other (specify)							

9. Comments

Note 1: SN007-8, 022-24, 031-32, 037-38, 049-050, 057-058

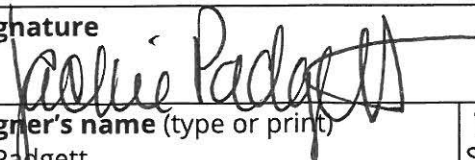
Note 2: SN004-6, SN009-11, SN017-21, SN025-30, SB033-36, SB039, SN044-048, SB051-56 (See Attached Process Flow Diagram)

Note 3: SN002-3, SN012-13, SN042-43

SIGNATURE

If this form is being submitted at the same time as an APC 100 form, then a signature is not required on this form. Date this form regardless of whether a signature is provided. If this form is NOT being submitted at the same time as an APC 100 form, then a signature is required.

Based upon information and belief formed after a reasonable inquiry, I, as the responsible person of the above mentioned facility, certify that the information contained in this application is accurate and true to the best of my knowledge. As specified in TCA Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

10. Signature 		Date
Signer's name (type or print) Jackie Padgett		08-15-2022
Title Senior Environmental Manager		Phone number with area code 205-601-7595

From: [Air.Pollution.Control](#)
To: [APC Permitting](#)
Subject: FW: O-N Minerals 87-0023/079468
Date: Monday, August 15, 2022 9:28:10 PM
Attachments: [APC-079468-AgreeLtr.pdf](#)
[APC-079468-Application-APC 109.pdf](#)

From: Jimmie Horton <Jimmie.Horton@tn.gov>
Sent: Monday, August 15, 2022 4:49 PM
To: Air.Pollution.Control <Air.Pollution.Control@tn.gov>
Subject: O-N Minerals 87-0023/079468

Admin:

Please upload the attached application and agreement letter to the permit page on SmogLog at your earliest convenience. I appreciate the help.

Sincerely:

J Horton
Ph. (615) 532-0533

From: Padgett Jackie <Jackie.Padgett@carmeuse.com>
Sent: Monday, August 15, 2022 12:29 PM
To: Jimmie Horton <Jimmie.Horton@tn.gov>
Subject: O-N Minerals 87-0023/079468

Hi Jimmie,
Here are two of the three items you requested.

Thanks.

Jackie PADGETT
Senior Environmental Manager

Tel: 205.664.7129 | Mob: 205.601.7595
www.carmeuse.com