



west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone 304/926-0475

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

December 1, 2015

CERTIFIED MAIL
91 7199 9991 7034 3222 9062

Ashley L. Lioi
Kanawha Stone Company
409 Jacobson Drive
Poca, WV 25159

RE: **Approved Registration G40-C073**
Kanawha Stone Company
Sandstrom Treatment Facility
Facility ID No. 017-00159

Dear Ashley L. Lioi,

The Director has determined that the submitted Registration Application and proposed construction and operation of a nonmetallic minerals processing facility demonstrates eligibility and compliance with the requirements, provisions, standards and conditions of General Permit G40-C and hereby grants General Permit registration authorizing the proposed activity.

General Permit G40-C can be accessed electronically at www.dep.wv.gov/daq/permitting/Pages/airgeneralpermit.aspx. Hard copies are available upon request by contacting Danielle Wentz at (304)926-0499 ext. 1193.

Please be aware of the actions required in Monitoring Requirements, Testing Requirements, Recordkeeping Requirements, and the Reporting Requirements.

Should you have any questions, please contact the undersigned engineer at (304)926-0499 ext. 1223 or jerry.williams@wv.gov.

Sincerely,

Jerry Williams, P.E.
Engineer

Enclosures: Registration G40-C073

Class II General Permit G40-C Registration to Construct



for the
Prevention and Control of Air Pollution in regard to the
Construction, Modification, Relocation,
Administrative Update and Operation of
Nonmetallic Mineral Processing Plants

*The permittee identified at the facility listed below is authorized to
construct the stationary sources of air pollutants identified herein in accordance
with all terms and conditions of General Permit G40-C.*

G40-C073

Issued to:

**Kanawha Stone Company
Sandstrom Treatment Facility
017-00159**

A handwritten signature in blue ink, appearing to read "William F. Durham", written over a horizontal line.

William F. Durham
Director

Issued: December 1, 2015

Facility Location: Greenwood, Doddridge County, West Virginia
Mailing Address: 409 Jacobson Drive, Poca, WV 25159
Facility Description: Non-metallic minerals processing facility
SIC Codes: 1629
NAICS Codes: 23799
UTM Coordinates: 509.2 km Easting • 4346.7 km Northing • Zone 17
Registration Type: Construction
Description of Change: Temporary mobile rock crusher

Subject to 40CFR60 Subpart OOO? Yes
Subject to 40CFR60 Subpart IIII? Yes
Subject to 40CFR60 Subpart JJJJ? No

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit or registration issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

This permit does not affect 45CSR30 applicability, the source is a nonmajor source subject to 45CSR30.

All registered facilities under Class II General Permit G40-C are subject to Sections 1.0, 1.1, 2.0, 3.0, and 4.0.

The following sections of Class II General Permit G40-C apply to the registrant:

- Section 5 Nonmetallic Mineral Processing Operations
- Section 6 Standards of Performance for Nonmetallic Mineral Processing Plants that Commenced Construction, Reconstruction or Modification after August 31, 1983 but before April 22, 2008 (40CFR60 Subpart OOO)
- Section 7 Standards of Performance for Nonmetallic Mineral Processing Plants that Commenced Construction, Reconstruction or Modification on or after April 22, 2008. (40CFR60 Subpart OOO)
- Section 8 Reciprocating Internal Combustion Engines (R.I.C.E.)
- Section 9 Tanks
- Section 10 Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40CFR60 Subpart IIII)
- Section 11 Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ)

Emission Units

Source ID No.	Emission Unit Description (Make, Model, Serial No.)	Design Capacity		Control Device	Month/Year Constructed, Reconstructed, or Modified	G40-C Applicable Sections
		tons/hour	tons/year			
CR-1	Jaw Crusher J-1160	350	3,066,000	TCWS-1	2015	5, 7
CR-2	Jaw Crusher J-1160	350	3,066,000	TCWS-1	2015	5, 7
TP-1	Loader to OS-1	350	3,066,000	TCWS-1	2015	5
TP-2	Excavator to C-001	350	3,066,000	TCWS-1	2015	5
TP-3	C-001 to OS-2	350	3,066,000	TCWS-1	2015	5
TP-4	Loader to OS-1	350	3,066,000	TCWS-1	2015	5
TP-5	Excavator to C-002	350	3,066,000	TCWS-1	2015	5
TP-6	C-002 to OS-2	350	3,066,000	TCWS-1	2015	5
OS-1	Shot Rock Pile	310,000 ft ²		TCWS-1	2015	5,7
OS-2	Finished Stockpile	165,000 ft ²		TCWS-1	2015	5,7
HR	Haulroad Emissions	NA		TCWS-1	2015	5

Reciprocating Internal Combustion Engines

Emission Unit ID	Emission Unit Description (Make, Model, Serial No.)	Year Installed	Design Capacity (Bhp/rpm)
CE-1	SCANIA DC9 70A	2015	275 hp / 2,000 rpm
CE-2	SCANIA DC9 70A	2015	275 hp / 2,000 rpm

Reciprocating Internal Combustion Engines (R.I.C.E.) Information

Emission Unit ID	Subject to 40CFR60 Subpart IIII?	Subject to 40CFR60 Subpart JJJJ?	Subject to Sections 8.1.4/8.2.1 (Catalytic Reduction Device)
CE-1	Yes	No	Yes
CE-2	Yes	No	Yes

Emission Limitations

Emission Source	Maximum Controlled Hourly Emissions (lb/hr)	Maximum Controlled Annual Emissions (tons/year)
FUGITIVE PM-10 EMISSIONS		
Stockpiles	0.86	3.75
Unpaved Haulroads	78.50	56.52
Paved Haulroads	0	0
Total Fugitive Emissions	79.35	60.27
POINT SOURCE PM-10 EMISSIONS		
Equipment Emissions	0.21	0.92
Transfer Point Emissions	0.11	0.50
Total Point Source Emissions	0.32	1.42
TOTAL FACILITY PM-10 EMISSIONS		
Total Facility Emissions	79.67	61.69

Engines

Source ID	Emission Source	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
CE-1	SCANIA DC9 70A RICE	Nitrogen Oxides	0.63	0.45
		Carbon Monoxide	0.54	0.39
		Volatile Organic Compounds	0.01	0.01
CE-2	SCANIA DC9 70A RICE	Nitrogen Oxides	0.63	0.45
		Carbon Monoxide	0.54	0.39
		Volatile Organic Compounds	0.01	0.01