



west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
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Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

November 03, 2016

CERTIFIED MAIL
91 7199 9991 7035 6610 3795

J. H. W. Gefaell
2881 Jefferson Street
Marianna, FL 32466

RE: Purdy Run Aggregates, LLC
Shinnston Quarry
Permit Application No. G40-C080
Plant ID No. 033-00263

Dear Mr. Gefaell:

Your application for a permit as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed permit G40-C080 is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

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

In accordance with 45CSR30- Operating Permit Program, the permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

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 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.

Should you have any questions or comments, please contact me at (304) 926-0499, extension 1212.

Sincerely,

Thornton E. Martin Jr.
Permit Engineer

c: Donna J. Toler, P & A Engineers & Consultants, Inc.

West Virginia Department of Environmental Protection
Earl Ray Tomblin
Governor

Division of Air Quality

Randy C. Huffman
Cabinet Secretary

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-C080

Issued to:

Purdy Run Aggregates, LLC
Shinnston Quarry
033-00263

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

William F. Durham
Director

Effective: November 03, 2016

This Class II General Permit Registration will supercede and replace (*Not Applicable*)

Facility Location: Shinnston, Harrison County, West Virginia
Mailing Address: 2881 Jefferson Street, Marianna, FL 32466
Facility Description: Nonmetallic Mineral Processing Plant
NAICS Codes: 212312
UTM Coordinates: Easting: 566.91413 km Northing: 4361.40249 km Zone: 17
Registration Type: Construction

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.

Unless otherwise stated WVDEP DAQ did not determine whether the registrant is subject to an area source air toxics standard requiring Generally Achievable Control Technology (GACT) promulgated after January 1, 2007 pursuant to 40 CFR 63, including the area source air toxics provisions of 40 CFR 63, Subpart ZZZZ.

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

Emission Unit ID	A M R ¹	Emission Unit Description	Year Installed	Design Capacity		Control Equipment ²
				TPH	TPY	
CR-01	A	Jaw Crusher	2016	400	3,504,,000	FW
CR-02	A	Cone Crusher	2016	400	3,504,,000	FW
SS-01	A	Double Deck Screen	2016	400	3,504,,000	FE
BC-01	A	Belt Conveyor	2016	400	3,504,,000	N
BC-02	A	Belt Conveyor	2016	400	3,504,,000	N
BC-03	A	Belt Conveyor	2016	400	3,504,,000	N
BC-04	A	Belt Conveyor	2016	400	3,504,,000	N
BC-05	A	Belt Conveyor	2016	400	3,504,,000	N
BC-06	A	Belt Conveyor	2016	400	3,504,,000	N
BS-01	A	10 Ton Bin	2016	---	3,504,,000	PW
BS-02	A	10 Ton Bin	2016	---	3,504,,000	PW
OS-01	A	5,000 Ton Open Stockpile	2016	---	3,504,,000	SW-WS
OS-02	A	5,000 Ton Open Stockpile	2016	---	3,504,,000	SW-WS
OS-03	A	5,000 Ton Open Stockpile	2016	----	3,504,,000	SW-WS

Emission Unit ID	A M R ¹	Emission Unit Description	Year Installed	Design Capacity		Control Equipment ²
				TPH	TPY	
T1	A	1,000 gal. Storage Tank	2016	8,000 gallons/year		N
T2	A	1,000 gal. Storage Tank	2016	8,000 gallons/year		N

¹ A - Addition; M - Modification; R - Removal (Existing unmodified equipment to be included in the permit is labeled with an M.)

² FE - Full Enclosure; FW - Full Enclosure w/Water Spray; PW - Partial Enclosure w/Water Spray; SW-WS - Water Spray; N - None.

Control Devices (Not Applicable)

Control Device ID	Source ID No.	Emission Unit Description	Month/Year Constructed, Reconstructed, or Modified

Reciprocating Internal Combustion Engines

Emission Unit ID	Emission Unit Description (Make, Model, Serial No.)	Year Installed	Design Capacity (Bhp/rpm)
UJ440i	2014 Volvo, D13	2016	422 / 1,800
QS331	2014 Caterpillar, C9.3 ACERT	2016	350 / 1,800
QA451	2014 Caterpillar, C4.4	2016	100 / 1,800

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

Emission Unit ID	Subject to 40CFR60 Subpart III?	Subject to 40CFR60 Subpart JJJJ?	Subject to Sections 8.1.4/8.2.1 (Catalytic Reduction Device)
UJ440i	Yes	No	No
QS331	Yes	No	No
QA451	Yes	No	No

Emission Limitations

Emission Source	Maximum Controlled Hourly Emissions (lb/hr)	Maximum Controlled Annual Emissions (tons/year)
FUGITIVE EMISSIONS		
Stockpiles	0.04	0.19
Unpaved Haulroads	57.51	251.88
Paved Haulroads	0.00	0.00
<i>Total Fugitive Emissions</i>	<i>57.55</i>	<i>252.07</i>
POINT SOURCE EMISSIONS		
Equipment Emissions	2.75	12.04
Transfer Point Emissions	0.03	0.12
<i>Total Point Source Emissions</i>	<i>2.79</i>	<i>12.16</i>
TOTAL FACILITY EMISSIONS		
<i>Total Facility Emissions</i>	60.33	264.23

Engines

Source ID	Emission Source	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
UJ440i	2014 Volvo, D13	Nitrogen Oxides	0.277	0.144
		Carbon Monoxide	2.430	1.264
		Volatile Organic Compounds	0.132	0.068
		Particulate Mater	0.014	0.007
QS331	2014 Caterpillar, C9.3 ACERT	Nitrogen Oxides	0.230	0.119
		Carbon Monoxide	2.014	1.047
		Volatile Organic Compounds	0.109	0.056
		Particulate Mater	0.012	0.006
QA451	2014 Caterpillar, C4.4	Nitrogen Oxides	0.066	0.034
		Carbon Monoxide	0.827	0.429
		Volatile Organic Compounds	0.031	0.016
		Particulate Mater	0.003	0.002