



west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: (304) 926-0475 • FAX: (304) 926-0479

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

May 02, 2016

CERTIFIED MAIL
91 7199 9991 7035 6665 8158

Michael G. Smith
PO Box 1098
Holden, WV 25625

RE: Premium Energy, LLC
Pax Surface Mine
Permit Application No. G40-C075-P1
Plant ID No. 777-00138

Dear Mr. Smith:

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-C075-P1 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 and 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 Relocate



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-C075-P1

Issued to:
Premium Energy, LLC
Pax Surface Mine
777-00138

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

William F. Durham
Director

Effective: May 02, 2016

This Class II General Permit Registration will supercede and replace **G40-C075**

Facility Location: Pax Surface Mine, Raleigh County, WV
Mailing Address: PO Box 1098, Holden, WV 25625
Facility Description: Portable Crush/Screen Facility
NAICS Codes: 212312
UTM Coordinates: 474.01198 km Easting • 4,193.55911 km Northing • Zone 17
Registration Type: Relocation

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.

As a result of this permit, the source is a nonmajor or area source subject to 45CSR30. Therefore, the facility is not subject to the permitting requirements of 45CSR30 and is classified as a deferred source.

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 X
- 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) X
- Section 8 Reciprocating Internal Combustion Engines (R.I.C.E.) X
- Section 9 Tanks X
- Section 10 Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40CFR60 Subpart IIII) X
- Section 11 Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ) ☐

Emission Units

Equipment ID No.	Date of Manufacture	Description	Maximum Capacity		Control Equipment ¹
			TPH	TPY	
Portable Crushing and Power Screen Unit					
BS-01	2011	10 Ton Feed Bin - receives rock from the endloader and feeds onto belt conveyor BC-01	----	3,504,000	PW
BC-01	2011	Belt Conveyor receives rock from feed bin BS-01 and transfers to power screen SS-01	400	3,504,000	N
SS-01	2011	Double Deck Screen - receives rock from BC-01, sizes it and drops to BC-02, BC-03 or BC-04	400	3,504,000	PW
BC-02	2011	Belt Conveyor receives screened rock from SS-01 and transfers to open stockpile OS-01	400	3,504,000	N
OS-01	2016	5,000 ton Open Stockpile - receives sized rock from BC-02 and a front end loader transfers to trucks	----	3,504,000	SW-WS
BC-03	2011	Belt Conveyor receives screened rock from SS-01 and transfers to open stockpile OS-02	400	3,504,000	N
OS-02	2016	5,000 ton Open Stockpile - receives sized rock from BC-03 and a front end loader transfers to trucks	----	3,504,000	SW-WS
BC-04	2011	Belt Conveyor receives screened rock from SS-01 and transfers to feed bin BS-02	400	3,504,000	N
BS-02	2011	10 Ton Feed Bin - receives rock from belt conveyor BC-04 and feeds onto belt conveyor BC-05	400	3,504,000	PW
BC-05	2011	Belt Conveyor receives screened rock from BC-04 and transfers to crusher CR-01	400	3,504,000	N
CR-01	2011	Double Roll Crusher - receives rock from BC-05, crushing and transfers to conveyors BC-06, BC-07 or BC-08 based on size	400	3,504,000	PW
BC-06	2011	Belt Conveyor receives sized rock from CR-01 and transfers to open stockpile OS-03	400	3,504,000	N
OS-03	2016	5,000 ton Open Stockpile - receives sized rock from BC-06 and a front end loader transfers to trucks	----	3,504,000	SW-WS
BC-07	2011	Belt Conveyor receives sized rock from CR-01 and transfers to open stockpile OS-04	400	3,504,000	N

Equipment ID	Date of Manufacture	Description	Maximum Capacity		Control Equipment ¹
OS-04	2016	5,000 ton Open Stockpile - receives sized rock from BC-07 and a front end loader transfers to trucks	----	3,504,000	SW-WS
BC-08	2011	Belt Conveyor receives sized rock from CR-01 and transfers to open stockpile OS-05	400	3,504,000	N
OS-05	2016	5,000 ton Open Stockpile - receives sized rock from BC-08 and a front end loader transfers to trucks	----	3,504,000	SW-WS
Engine			Operating Parameters		
E-1	2011	Scania DC09, 275 hp/202 kW, Tier 4i Cert.	13.9 GPH	1040 hrs/yr	SCR
Storage			Annual Throughput		
T1	N/A	1,000 Gallon Diesel Fuel Tank	8,000 gal/yr		N

¹ PW - Partial Enclosure w/Water Spray; SW-WS - Water Spray; N - No Controls; SCR - Selective Catalytic Reduction; N/A - Not Available

Control Devices

Control Device ID	Source ID No.	Emission Unit Description	Month/Year Constructed, Reconstructed, or Modified
SCR	E-1	Scania DC09	04/2011

Reciprocating Internal Combustion Engines

Emission Unit ID	Emission Unit Description (Make, Model, Serial No.)	Year Installed	Design Capacity (Bhp/rpm)
E-1	Scania DC09, 275 hp/202 kW (04/2011)	2016	275/1,800

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

Emission Unit ID	Subject to 40CFR60 Subpart III?	Subject to 40CFR60 Subpart JJJ?	Subject to Sections 8.1.4/8.2.1 (Catalytic Reduction Device)
E-1	Yes	No	Yes

Emission Limitations

Emission Source	Maximum Controlled Hourly Emissions (lb/hr)	Maximum Controlled Annual Emissions (tons/year)
FUGITIVE EMISSIONS		
Stockpiles	0.14	0.62
Unpaved Haulroads	57.51	251.88
Paved Haulroads	0.00	0.00
Total Fugitive Emissions	57.65	252.50
POINT SOURCE EMISSIONS		
Equipment Emissions	2.58	11.28
Transfer Point Emissions	0.04	0.20
Total Point Source Emissions	2.62	11.48
TOTAL FACILITY EMISSIONS		
Total Facility Emissions	60.27	253.98

Engines

Source ID	Emission Source	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
E-1	Scania DC09	Nitrogen Oxides	8.525	4.433
		Carbon Monoxide	1.837	0.955
		Particulate Matter < 10 microns	0.61	0.32
		Sulfur Dioxide	0.564	0.293
		Volatile Organic Compounds	0.679	0.353
		Formaldehyde	0.002	0.001