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**west virginia department of environmental protection**

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Division of Air Quality  
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Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
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**GENERAL PERMIT REGISTRATION APPLICATION  
ENGINEERING EVALUATION / FACT SHEET**

**BACKGROUND INFORMATION**

Registration No.: G60-C085  
Plant ID No.: 041-00009  
Applicant: Equitrans, L.P.  
Facility Name: Copley Run Compressor Station  
Location: Weston, Lewis County  
SIC Code: 4922  
Application Type: Construction  
Received Date: November 25, 2015  
Engineer Assigned: William T. Rothwell II, P.E.  
Fee Amount: \$1,500.00  
Date Received: December 7, 2015  
Complete Date: December 25, 2015  
Applicant Ad Date: December 2, 2015  
Newspaper: *The Weston Democrat*  
UTM's: Easting: 541.390 km Northing: 4314.773 km Zone: 17  
Description: Application for the construction and operation of one emergency generator (G-003) which will replace an existing emergency generator (G-001).

**TYPE OF PROCESS**

The following process description was taken from Permit Application G60-C085:

The installation is a Kohler 150 kW natural gas-fired Generator Set, Model 150REZGC using a 193 bhp PSI Industrial, 8.8 L, 4-Cycle Certified engine that was manufactured in 2014. This emergency generator will replace an existing emergency generator (G-001) at the facility. The emergency generator will supply power to the compressor station in the event of a utility power loss. The only planned run time is during normal engine maintenance which is expected to be approximately 15 minutes a week for testing and maintenance purposes (12 hours per year), limited to 100 hours per year. The generator will not exceed the allowable 500 hours/year allowed by the State of West Virginia.

## SITE INSPECTION

A site inspection was deemed unnecessary by the writer at this time due to the remoteness of the location verified by Google Earth. However, this site will be added to the list for regular inspections. The facility met the siting requirements of general permit G60-C.

*From Charleston, WV take Interstate 79 North to Exit 91. Follow Rt 19 north to Copley Rd. Turn left on Copley Rd and the compressor station will be on the right.*

## ESTIMATE OF EMISSIONS BY REVIEWING ENGINEER

Maximum controlled emissions from the Emergency Generator are summarized below. G60-C limits the facility to 500 hours per year of operation.

Emission Unit	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
G-003 Kohler 150REZGC	Nitrogen Oxides	4.24	1.06
	Carbon Monoxide	8.49	2.12
	Volatile Organic Compounds	2.12	0.53
	Sulfur Dioxide	<0.01	<0.01
	Particulate Matter-10	0.04	0.11

Because of the low emission levels, the Sulfur Dioxides and Particulate Matter emissions will not be written into the permit.

## GENERAL PERMIT ELIGIBILITY

The proposed construction and operation of this facility meets the eligibility (Section 2.3), and limitations and emissions controls (Section 2.1) as specified in General Permit G60-C. The applicant is subject to 40CFR60 Subpart JJJJ, due to the year of manufacture of the engine (2014). The proposed construction and operation of this facility meets the applicability stated under Section 2.3 (area source, source not subject to additional requirements, and located in an attainment area, etc.), and is required to meet the Limitations and Standards stated under Section 3.2 as specified in General Permit G60-C.

Certified values for this specific engine were used in the emissions calculations. Since the engine meets EPA requirements, it emits no more than what is specified in 40CFR60.4233, Table 1. For annual emissions calculations, 500 hrs/year were used.

The applicant's emergency generator is subject to 40CFR63 Subpart ZZZZ (RICE MACT), but because their engine is a new engine (post June 12, 2006) and is located at an area source of HAP emissions, 40CFR63 Subpart ZZZZ states the applicant must meet the requirements of this part by meeting the requirements of 40CFR60 Subpart JJJJ, for spark ignition engines.

RECOMMENDATION TO DIRECTOR

Equitrans, L.P.'s request to construct and operate one emergency generator at the Copley Run Compressor Station, Lewis County, WV site meets the requirements of General Permit G60-C and all applicable rules and therefore should be granted a General Permit Registration to construct and operate the said facility.



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William T. Rothwell II, P.E.  
Engineer

02/25/2016

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Date