



west virginia department of environmental protection

Division of Air Quality  
601 57<sup>th</sup> 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 8165

Ralph Groseclose  
PO Box 442  
Bland, VA 24315

RE: Virginia Department of Transportation  
East River Tunnel  
Permit Application No. G60-C010A  
Plant ID No. 055-00119

Dear Mr. Groseclose:

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 G60-C072 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, please contact me at (304) 926-0499 ext. 1212.

Sincerely,

Thornton E. Martin Jr.  
Permit Engineer

# G60-C Registration to Modify



for the  
Prevention and Control of Air Pollution in regard to the  
Construction, Modification, Relocation, Administrative Update and  
Operation of Emergency Generators

*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 G60-C.*

**G60-C010A**

Issued to:  
**Virginia Department of Transportation**  
**East River Tunnel**  
**055-00119**

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*

Facility Location: Bluefield, Mercer County, West Virginia  
Mailing Address: P.O. Box 442 Bland, VA 24315  
Facility Description: I-77 Tunnel on West Virginia - Virginia border  
SIC Codes: 9621  
UTM Coordinates: 488.783 km Easting • 4126.195 km Northing • Zone 17  
Registration Type: Modification  
Description of Change: The Virginia Department of Transportation proposes to construct a new standby emergency generator at the East River Mountain Tunnel located at I-77 mile marker 1 in Bluefield, WV. The new generator will supplement the two existing generators at the facility to meet NFPA 502 requirements.

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.*

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

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**All registered facilities under Class II General Permit G60-C are subject to Sections 1.0, 2.0, 3.0, and 4.0.**

The following sections of Class II General Permit G60-C apply to the registrant:

- Section 5 Reciprocating Internal Combustion Engines (R.I.C.E.)
- Section 6 Tanks
- Section 7 Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart IIII)
- Section 8 Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ)

**Emission Units**

Emission Unit ID	Emission Unit Description (Make, Model, Serial No.)	Year Installed	Design Capacity (Bhp/rpm)
EG-1	CAT/C32 DM7714	2009	1,502 bhp / 1,800 rpm
EG-2	CAT/C32 DM7714	2009	1,502 bhp / 1,800 rpm
EG-3	Detroit Diesel/MTU 12V2000G85 R123-8A37	2016	1,194 bhp / 1,800 rpm
T-1	Fuel Tank, 5,000 gallons, Diesel	NA	NA
T-2	Fuel Tank, 973 gallons, Diesel	NA	NA

**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 5.1.4/5.2.1 (Catalytic Reduction Device)
EG-1	Yes	No	No
EG-2	Yes	No	No
EG-3	Yes	No	No

**Emission Limitations**

Emission Unit	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
EG-1 CAT/C32 DM7714	Nitrogen Oxides	10.9	2.73
	Carbon Monoxide	2.9	0.726
	Volatile Organic Compounds	0.307	0.0768
	Sulfur Dioxide	0.172	0.0431
	Particulate Matter	0.196	0.0489
	Total HAP's	0.004	0.001
EG-2 CAT/C32 DM7714	Nitrogen Oxides	10.9	2.73
	Carbon Monoxide	2.9	0.726
	Volatile Organic Compounds	0.307	0.0768
	Sulfur Dioxide	0.172	0.0431
	Particulate Matter	0.196	0.0489
	Total HAP's	0.004	0.001
EG-3  Detroit Diesel/MTU 12V2000G85 R123-8A37	Nitrogen Oxides	8.74	2.19
	Carbon Monoxide	2.32	0.580
	Volatile Organic Compounds	0.246	0.0615
	Sulfur Dioxide	0.138	0.0345
	Particulate Matter	0.157	0.0391
	Total HAP's	0.005	0.001