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west virginia department of environmental protection

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

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
www.wvdep.org

September 4, 2015

CERTIFIED MAIL  
91 7199 9991 7035 6692 5724

Brian Sheppard  
445 West Main Street  
Clarksburg, WV 26301

RE: Approved Registration G35-A  
G35-A027B  
Dominion Transmission Inc.  
Cassity Mountain  
Facility ID No. 083-00123

Dear Mr. Sheppard:

The Director has determined that the submitted Registration Application and proposed construction and operation of a natural gas compressor station demonstrates eligibility and compliance with the requirements, provisions, standards and conditions of General Permit G35-A and hereby grants General Permit registration authorizing the proposed activity.

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. 1224.

Sincerely,

David Keatley  
Permit Writer - NSR Permitting

Enclosures: Registration G35-A027B  
General Permit G35-A

## Class II General Permit G35-A Registration to Modify



for the  
Prevention and Control of Air Pollution in regard to the  
Construction, Modification, Relocation, Administrative Update and  
Operation of Natural Gas Compressor Stations  
With Glycol Dehydration Units, Flares, or Other Specified Control Devices Herein

*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 G35-A.*

**G35-A027B**

Issued to:  
**Dominion Transmission Inc.**  
Cassity Mountain  
083-00123

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

*William F. Durham*  
Director

*Issued: September 14, 2015*

This Class II General Permit Registration will supersede and replace G35-A027A

Facility Location: Cassity, Randolph County, West Virginia  
Mailing Address: 445 Main Street  
Clarksburg, WV26301  
Facility Description: Dehydration Facility  
SIC Codes: 1383  
UTM Coordinates: 584.773 km Easting • 4,292.294 km Northing • Zone 17  
Registration Type: Modification  
Description of Change: Installation and operation of one (1) 97.5-bhp emergency generator engine and one (1) 5-mmBtu/hr enclosed combustor. Removal of a 5 mmBtu/hr flare.

Subject to 40CFR60 Subpart IIII? No.

Subject to 40CFR60 Subpart JJJJ? Yes, GE-1 is certified.

*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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*The source is not subject to 45CSR30.*

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**All registered facilities under Class II General Permit G35-A are subject to Sections 1.0, 1.1, 2.0, 3.0, and 4.0.**

The following sections of Class II General Permit G35-A apply to the registrant:

- Section 5 Reciprocating Internal Combustion Engines (R.I.C.E.)
- Section 6 Boilers, Reboilers, and Line Heaters
- Section 7 Tanks
- Section 8 Emergency Generators
- Section 9 Dehydration Units Not Subject to MACT Standards
- Section 10 Dehydration Units Not Subject to MACT Standards and being controlled by a flare control device
- Section 11 Dehydration Units Not Subject to MACT Standards being controlled by recycling the dehydration unit back to the flame zone of the reboiler
- Section 12 Dehydration Units Not Subject to MACT Standards and being controlled by a thermal oxidizer
- Section 13 Permit Exemption (Less than 1 ton/year of benzene exemption)
- Section 14 Permit Exemption (40CFR63 Subpart HH – Annual average flow of gas exemption (3 mmscf/day))
- Section 15 Permit Exemption (40CFR63 Subpart HHH – Annual average flow of gas exemption (10 mmscf/day))
- Section 16 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
RBV-2	Glycol Dehydrator Reboiler	2011	0.93 MMBTU/hr
RSV-2	Glycol Dehydrator Regenerator Still Vent	2011	55 MMSCFD
GE-1	Cummins 60 GGHE Emergency Generator Engine	2015	97.5 bhp
TK01	Produced Liquids Tank	Existing	8,400 gallons
F-2	Questor QTI Q100 Enclosed Combustor	2015	5 MMBTU/hr

**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)
GE-1	No	Yes	No

**Emission Limitations**

Emission Point	Emission Source	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
RBV-2	TEG Dehydrator Reboiler Vent	Nitrogen Oxides	0.07	0.30
		Carbon Monoxide	0.06	0.26
F-2	Questor QTI Q100 Enclosed Combustor  (Controlling TEG Dehydrator Still Vent RSV-1)	Nitrogen Oxides	0.67	2.93
		Carbon Monoxide	0.56	2.46
		Volatile Organic Compounds	1.11	4.87
		Benzene	0.03	0.15
		Ethylbenzene	0.10	0.43
		Toluene	0.06	0.26
		Xylenes	0.13	0.57
		n-Hexane	0.02	0.09
GE-1	Cummins 60 GGHE Emergency Generator Engine	Nitrogen Oxides	1.31	0.33
		Carbon Monoxide	10.80	2.70
		Volatile Organic Compounds	0.26	0.06
FT-1	TEG Dehydrator Flash Tank	Volatile Organic Compounds	0.42	1.82
		Benzene	0.01	0.02
		n-Hexane	0.02	0.07