

West Virginia Department of Environmental Protection

Earl Ray Tomblin
Governor

Division of Air Quality

Randy C. Huffman
Cabinet Secretary

Modification to a G35-A General Permit Registration



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-A064D

Issued to:

M3 Appalachia Gathering, LLC
Daybrook Compressor Station
049-00138

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

William F. Durham
Director

Issued: November 18, 2014 • Effective: November 18, 2014

This registration will supersede and replace G35-A064C.

Facility Location: Fairview, Marion County, West Virginia
Mailing Address: 1099 Main Avenue, Suite 210, Durango, CO 81301
Facility Description: Natural gas compressor station
SIC Codes: 1311
UTM Coordinates: 568.433 km Easting • 4381.149 km Northing • Zone 17
Lat/Long 39.620542/-80.254792
Registration Type: Modification
Description of Change: Modification revising the brake horsepower of two permitted engines [C-203 (Emission Unit ID No.: CE-4) and C-207 (Emission Unit ID No.: CE-5)] to 5,000 hp (from 4,735 hp).

Also, transparent to this permit: The control equipment manufacturer's specifications changed slightly from what was proposed in the initial general permit registration. A copy of the specification sheet for the revised air control equipment was included in the permit modification application under Attachment H.

Subject to 40CFR60 Subpart IIII? No
Subject to 40CFR60 Subpart JJJJ? Yes; Certified? Yes

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.

The source is not subject to 45CSR30.

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.) | <input checked="" type="checkbox"/> |
| Section 6 | Boilers, Reboilers, and Line Heaters | <input checked="" type="checkbox"/> |
| Section 7 | Tanks | <input checked="" type="checkbox"/> |
| Section 8 | Emergency Generators | <input checked="" type="checkbox"/> |
| Section 9 | Dehydration Units Not Subject to MACT Standards | <input type="checkbox"/> |
| Section 10 | Dehydration Units Not Subject to MACT Standards and being controlled by a flare control device | <input type="checkbox"/> |
| Section 11 | Dehydration Units Not Subject to MACT Standards being controlled by recycling the dehydration unit back to the flame zone of the reboiler | <input checked="" type="checkbox"/> |
| Section 12 | Dehydration Units Not Subject to MACT Standards and being controlled by a thermal oxidizer | <input type="checkbox"/> |
| Section 13 | Permit Exemption (Less than 1 ton/year of benzene exemption) | <input checked="" type="checkbox"/> |
| Section 14 | Permit Exemption (40CFR63 Subpart HH – Annual average flow of gas exemption (3 mmscf/day)) | <input type="checkbox"/> |
| Section 15 | Permit Exemption (40CFR63 Subpart HHH – Annual average flow of gas exemption (10 mmscf/day)) | <input type="checkbox"/> |
| Section 16 | Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ) | <input checked="" type="checkbox"/> |

Emission Units

Emission Unit ID	Emission Unit Description (Make, Model, Serial No.)	Year Installed	Design Capacity
CE-1 (C-201)	Caterpillar G3516LE Compressor Engine	2012	1,380 hp / 1,400 rpm
CE-2 (C-202)	Caterpillar G3516LE Compressor Engine	2012	1,380 hp / 1,400 rpm
CE-3 (C-206)	Caterpillar G3612LE Compressor Engine	2012	3,550 hp / 1,000 rpm
CE-4 (C-203)	Caterpillar G3616LE Compressor Engine	2014	5,000 hp / 1,000 rpm
CE-5 (C-207)	Caterpillar G3616LE Compressor Engine	2014	5,000 hp / 1,000 rpm
CE-6 (C-205)	Caterpillar G3608LE Compressor Engine	2014	2,370 hp / 1,000 rpm
RBV-1	Reboiler	2012	2.0 mmBtu/hr
RSV-1	Dehydration Unit Still Vent	2012	125 mmscf/day
T01	Waste Water / Oil	2012	4,200 gallons
T02	Methanol	2012	4,200 gallons
T03	Produced Water	2012	16,800 gallons
T04	Produced Water	2012	16,800 gallons
T05	Produced Water	2012	16,800 gallons
T06	Produced Water	2012	16,800 gallons
T07	Lean Ethylene Glycol	2012	16,800 gallons
GE-1	Baldor GN0250GASCAN, G79	2014	335 hp / 1,800 rpm
GE-4	Baldor GN0150GASCAN, G48	2014	200 hp / 1,800 rpm

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)
CE-1 (C-201)	No	Yes	Yes
CE-2 (C-202)	No	Yes	Yes
CE-3 (C-206)	No	Yes	Yes
CE-4 (C-203)	No	Yes	Yes
CE-5 (C-207)	No	Yes	Yes
CE-6 (C-205)	No	Yes	Yes
GE-1	No	Yes	Yes
GE-4	No	Yes	Yes

Emission Limitations

Emission Unit ID	Emission Source	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
CE-1 (C-201)	Caterpillar G3516LE Compressor Engine	Nitrogen Oxides	1.52	6.70
		Carbon Monoxide	0.22	1.00
		Volatile Organic Compounds	0.59	2.60
		Formaldehyde	0.04	0.20
CE-2 (C-202)	Caterpillar G3516LE Compressor Engine	Nitrogen Oxides	1.52	6.70
		Carbon Monoxide	0.22	1.00
		Volatile Organic Compounds	0.59	2.60
		Formaldehyde	0.04	0.20
CE-3 (C-206)	Caterpillar G3612LE Compressor Engine	Nitrogen Oxides	3.92	17.20
		Carbon Monoxide	1.08	4.70
		Volatile Organic Compounds	2.51	11.00
		Formaldehyde	0.20	0.90
CE-4 (C-203)	Caterpillar G3616LE Compressor Engine	Nitrogen Oxides	5.51	24.14
		Carbon Monoxide	1.65	7.24
		Volatile Organic Compounds	3.52	15.45
		Formaldehyde	0.66	2.89
CE-5 (C-207)	Caterpillar G3616LE Compressor Engine	Nitrogen Oxides	5.51	24.14
		Carbon Monoxide	1.65	7.24
		Volatile Organic Compounds	3.52	15.45
		Formaldehyde	0.66	2.89
CE-6 (C-205)	Caterpillar G3608LE Compressor Engine	Nitrogen Oxides	2.61	11.44
		Carbon Monoxide	0.99	4.35
		Volatile Organic Compounds	1.67	7.32
		Formaldehyde	0.31	1.37
RBV-1	Glycol Dehydrator Reboiler	Nitrogen Oxides	0.20	0.86
		Carbon Monoxide	0.17	0.72
		Volatile Organic Compounds	0.01	0.05
		Particulate Matter - 10	0.02	0.07
RSV-1	Glycol Dehydrator Regenerator Still Vent	Volatile Organic Compounds	0.06	0.27
		Benzene	0.02	0.10
		Ethylbenzene	<0.01	0.01
		Toluene	0.02	0.10
		Xylenes	0.01	0.05
		n-Hexane	0.02	0.10
GE-1	Baldor GN0250GASCAN, G79 Generator	Nitrogen Oxides	0.06	0.24
		Carbon Monoxide	0.04	0.19
		Volatile Organic Compounds	0.03	0.15
GE-4	Baldor GN0150GASCAN, G48 Generator	Nitrogen Oxides	0.01	0.04
		Carbon Monoxide	0.12	0.51
		Volatile Organic Compounds	0.11	0.49