

*West Virginia Department of Environmental Protection
Division of Air Quality*

*Earl Ray Tomblin
Governor*

*Randy C. Huffman
Cabinet Secretary*

**Class II General Permit
G70-A Registration to Modify**



for the
Prevention and Control of Air Pollution in regard to the
Construction, Modification, Relocation, Administrative Update and
Operation of Oil and Natural Gas Production Facilities
Located at the Well Site

*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 G70-A.*

G70-A027B

Issued to:

EQT Production Company

SMI-27 Pad

017-00071

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

*William F. Durham
Director*

Issued: February 24, 2015

This Class II General Permit Registration will supercede and replace G70-A027A

Facility Location: New Milton, Doddridge County, West Virginia
Mailing Address: 625 Liberty Avenue, Suite 1700, Pittsburgh, PA 15222
Facility Description: Natural Gas Production Well Pad
NAICS Code: 211111
SIC Code: 1311
UTM Coordinates: 526.100 km Easting • 4,357.600 km Northing • Zone 17
Longitude Coordinates: -80.697198
Latitude Coordinates: 39.367439
Directions to Facility: From Shirley, WV, head east on WV-23 towards C/R 64 / Braden Hill for 2.2 miles. Turn right onto C/R 3 / Big Flint Road. Proceed 1.8 miles, facility is on the left.
Registration Type: Modification
Description of Change: Add three natural gas wells, two 400 bbl condensate tanks, three in-line heaters, one thermoelectric generator, one 140 bbl sand separator tank, and one 100 bbl drip tank for the existing dehydrator.

Subject to 40CFR60, Subpart OOOO? Yes

Subject to 40CFR60, Subpart JJJJ? No

Subject to 40CFR63, Subpart ZZZZ? No

Subject to 40CFR63, Subpart HH? Yes; Exemption to §63.764(d) applies; Not located within an UA/UC

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.

Permit Section Applicability for the Registrant

All registered facilities under General Permit G70-A are subject to Sections 1.0, 2.0, 3.0, and 4.0 of General Permit G70-A.

The following additional sections of General Permit G70-A apply to the registrant:

Section 5	Natural Gas Well Affected Facility	<input checked="" type="checkbox"/>
Section 6	Storage Vessels*	<input checked="" type="checkbox"/>
Section 7	Gas Production Units, In-Line Heaters, Heater Treaters, and Glycol Dehydration Reboilers	<input checked="" type="checkbox"/>
Section 8	Pneumatic Controllers Affected Facility (NSPS, Subpart OOOO)	<input type="checkbox"/>
Section 9	<i>Reserved</i>	<input type="checkbox"/>
Section 10	Natural Gas-Fired Compressor Engine (s) (RICE)**	<input type="checkbox"/>
Section 11	Tank Truck Loading Facility***	<input checked="" type="checkbox"/>
Section 12	Standards of Performance for Storage Vessel Affected Facilities (NSPS, Subpart OOOO)	<input type="checkbox"/>
Section 13	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (NSPS, Subpart JJJJ)	<input type="checkbox"/>
Section 14	Control Devices not subject to NSPS, Subpart OOOO	<input checked="" type="checkbox"/>
Section 15	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40CFR63, Subpart ZZZZ)	<input type="checkbox"/>
Section 16	Glycol Dehydration Units	<input checked="" type="checkbox"/>
Section 17	Dehydration Units With Exemption from NESHAP Standard, Subpart HH § 63.764(d) (40CFR63, Subpart HH)	<input checked="" type="checkbox"/>
Section 18	Dehydration Units Subject to NESHAP Standard, Subpart HH and Not Located Within an UA/UC (40CFR63, Subpart HH)	<input type="checkbox"/>
Section 19	Dehydration Units Subject to NESHAP Standard, Subpart HH and Located Within an UA/UC (40CFR63, Subpart HH)	<input type="checkbox"/>

* The registrant may also be subject to the applicable control device requirements of Section 12 if the registrant is subject to the NSPS, Subpart OOOO control requirements or may be subject to the control device requirements of Section 14.

** The registrant may also be subject to the applicable RICE requirements of Section 13 and/or Section 15.

*** The registrant may also be subject to the applicable control device requirements of Section 14.

1.0 Emission Units Table

Emission Unit ID	Emission Point ID	Emission Unit Description (Mfg., Model, Serial No., Engine type 2SLB, 4SLB, 4SRB, etc.)	Control Device ID	Year Installed / Modified	Max. Design Capacity	Design Capacity Unit of Measure	G70-A Applicable Sections
S001-S010, S025-S026	E001-E010, E025-E026	(12) Condensate Storage Tanks	C001/C002	2013, TBD	400	Bbl	6 & 14
S011-S019, S027-S029	E011-E019, E027-E029	(12) Line Heaters	None	2013, TBD	1.54	MMBtu/hr	7
S020-S021, S032	E020-E021, E032	(3) Thermoelectric Generators	None	2013, TBD	0.029, 0.07	MMBtu/hr	7
S022	E022	Dehydration Unit Still Vent	C003	2014	70	MMscf/day	17
S023	E023	Dehydration Unit Reboiler	None	2014	1.15	MMBtu/hr	7
S024	E001-E012	Liquids Truck Loading	C001/C002	2013	47,280,000	Gal/year	11
S030	E030	Sand Separator Tank	C001/C002	TBD	140	Bbl	6 & 14
S031	E030	Dehydrator Drip Tank	C003	TBD	100	Bbl	6 & 14
Control Devices (If applicable)							
Control Device ID	Control Efficiency %	Control Device Description (Mfg, Model)	Year Installed / Modified	Max. Design Capacity	Design Capacity Unit of Measure	G-70A Applicable Sections	
C001	95	LEED Fabrication Enclosed Combustor 48"	2013	7,800	scf/hr	14	
C002	95	LEED Fabrication Enclosed Combustor 48"	2013	7,800	scf/hr	14	
C003	98	LEED Fabrication Enclosed Combustor 24"	2014	5,600	scf/hr	14	
Emission Reduction Systems						Yes or No	G-70A Applicable Sections
Was a vapor recovery system (VRU) used to determine emission limits?						No	
Was a low pressure tower(s) used to determine emission limits?						No	

2.0 Oil and Natural Gas Wells Table

API number	API number	API number
047-017-06051	047-017-06060	TBD
047-017-06054	047-017-06061	TBD
047-017-06057	047-017-06062	
047-017-06058	047-017-06063	
047-017-06059	TBD	

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
S001-S012	E001-E010	(12) Condensate Tanks and (2) Vapor Combustors	Volatile Organic Compounds	7.67	33.58
			Total HAPs	0.40	1.75
S025-S026, S030,31	E025-26 E030,31	(1) Sand Tank, Drip	Nitrogen Oxides	1.86	8.16
			Carbon Monoxide	1.57	6.86
S011-S019 S027-S029	E011-19,27-29	(9) Line Heaters	Nitrogen Oxides	1.46	6.40
			Carbon Monoxide	1.23	5.40
S020-S021, S032	E020-E021, 32	(3) Thermoelectric Generators	Nitrogen Oxides	0.01	0.05
			Carbon Monoxide	0.01	0.04
S022	E022	Dehydrator Still Vent and Vapor Combustor	Volatile Organic Compounds	9.16	40.13
			Benzene	0.08	0.37
			Toluene	0.43	1.90
			Ethylbenzene	0.12	0.52
			Xylenes	1.16	5.10
			n-Hexane	0.30	1.30
S023	E023	Dehydrator Reboiler	Nitrogen Oxides	0.09	0.40
			Carbon Monoxide	0.08	0.34
S024	E024	Truck Loading	Volatile Organic Compounds	--	1.56
			Total HAPs	--	0.04

4.0 Throughput Limitations

Throughput limits are on a 12-month rolling total basis.

Emission Unit ID	Emission Point ID	Emission Unit Description	Annual Throughput Limit
S022	E022	Deydration Unit	70.0 mmscf/day
S024	E024	Truck Loading	47,280,000 gal/yr

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

Emission Unit ID	Engine Manufacturing Date	Subject to 40CFR60, Subpart JJJJ?	Subject to 40CFR63, Subpart ZZZZ?	Subject to Sections 10.1.4 / 10.2.1 (Catalytic Reduction Device)
N/A	N/A	N/A	N/A	N/A