

*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 Modification**



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-A106

Issued to:

**EQT Production Company
PNG-103 Pad
103-00066**

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

*William F. Durham
Director*

Issued: April 22, 2015

This Class II General Permit Registration will supersede and replace R13-3067.

Facility Location: near Smithfield, Wetzel County, West Virginia
Mailing Address: 625 Liberty Avenue
Suite 1700
Pittsburgh, PA 15222
Facility Description: Natural Gas Production Facility
NAICS Code: 211111
SIC Code: 1311
UTM Coordinates: 532.1 km Easting • 4,380 km Northing • Zone 17
Longitude Coordinate: -80.57985
Latitude Coordinate: 39.55659
Directions to Facility: From the intersection of SR 2 and CR 7 near New Martinsville. Turn onto CR 7 and travel east. Turn right onto SR 20 and travel through Jacksonburg. Turn onto CR 76 (Richwood Run Rd.) and travel for approximately 2.6 miles. Turn left onto CR 15-2 (North Fork of Richwood Run) and travel 1.9 miles. Turn left onto CR 74 (Sheep Run Rd.) and travel for approximately 0.6 miles. Turn left onto CR 72 (Lowman Ridge) and travel approximately 2.1 miles. The facility will be on the left.
Registration Type: Modification
Description of Change: EQT proposes installing and operating: four (4) 400-bbl produced liquid tanks, one (1) 140-bbl sand separator tank, and four (4) 1.54- mmBtu/hr line heaters.

Subject to 40CFR60, Subpart OOOO? Yes
Subject to 40CFR60, Subpart JJJJ? No
Subject to 40CFR63, Subpart ZZZZ? No
Subject to 40CFR63, Subpart HH? 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.

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 type="checkbox"/>
Section 17	Dehydration Units With Exemption from NESHAP Standard, Subpart HH § 63.764(d) (40CFR63, Subpart HH)	<input 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 - S008 S019 - S022	C001	Produced Liquid Tanks	C001	2013/ 2015	400	bbl	Section 6 Section 14
S009 - S016 S023 - S026	E009 - E016 E023 - E026	Line Heaters	N/A	2013/ 2015	1.54	MMBtu/hr	Section 7
S017 - S018	E017 - E018	Thermoelectric Generators (TEG)	N/A	2014	0.013	MMBtu/hr	Section 7
Liquid Loading	E028	Liquid Loading	N/A	2014	42.66	MMgal/yr	Section 11
C001	C001	Vapor Combustor	N/A	2013	11.66	mmBtu/hr	Section 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%	48" LEED Fabrication Vapor Combustor	2014	130	scf/min	Section 14	
Emission Reduction Systems						Yes or No	G-70A Applicable Sections
Was a vapor recovery system (VRU) used to determine emission limits?						No	N/A
Was a low pressure tower(s) used to determine emission limits?						No	N/A

2.0 Oil and Natural Gas Wells Table

API number	API number	API number
47-103-02701	47-103-02700	47-103-02699
47-103-02697	47-103-02696	47-103-02862
47-103-02861	47-103-02698	47-103-02906

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
S001-S008 And S019 – S022 And Truck Loading	C001	Produced Liquid Tanks and Truck Loading (controlled w/ Combustor)	Nitrogen Oxides (NOx)	1.11	4.87
			Carbon Monoxide (CO)	0.93	4.09
			Total Particulate Matter (PM)	0.08	0.37
			Volatile Organic Compounds (VOC)	9.28	40.65
S009 – S016 And S023 – S026	E009 – E016 And E023 - E026	Line Heater (Total for all Line Heaters)	Nitrogen Oxides (NOx)	1.76	7.70
			Carbon Monoxide (CO)	1.48	6.47

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
S001 – S008 and S019 – S022	C001	400 bbl Produced Liquid Tanks	42,658,812 gallons/year
S028	C001 and E028	Liquid Truck Loading	42,658,812 gallons/year

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

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)
<i>No RICE</i>				