

*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 Construct**



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-A146

Issued to:

**EQT Production Company
OXF-122 Natural Gas Production Facility
085-00048**

A blue ink signature of William F. Durham, written in a cursive style, is positioned above a horizontal line.

*William F. Durham
Director*

Issued: May 1, 2015 • Effective: May 1, 2015

Facility Location: West Union, Ritchie 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: 514.600 km Easting • 4,331.470 km Northing • Zone 17
Longitude Coordinates: -80.83105
Latitude Coordinates: 39.13226
Directions to Facility: From US-50, travel S on Sunnyside, CR-50/30 to Oxford Rd, CR-21. Go SW on Oxford Rd/S.Fork Hughes River 5.4 mi to Taylor Drain Rd, Cr-19. Go S on Taylor Drain Rd / Cr-19 for 4.2 miles (past EQT Pierce). Go W on Sugar Run Rd for 1.9 miles. At fork, go S, across bridge, on Summers Rd Brushy Fork for 1.5 miles. At top of hill, access road will be on the Left. Take access road 0.9 miles back to pads, going L at fork (right fork goes to water impound).
Registration Type: Construction
Description of Change: Construction of a natural gas well pad consisting of six storage tanks, five line heaters, two thermoelectric generators, one vapor combustor and truck loading.

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-S005	E001-E005	(5) Line Heaters	None	2015	1.0	MMBtu/hr	7
S006-S011	E012	(6) Produced Fluid Storage Tanks	C012	2015	400	Bbl	6 & 14
S013	E012	Truck Loading	C012	2015	10,620	Gal/day	11
S014-S015	E014-E015	Thermoelectric Generators	None	2015	0.013	MMBtu/hr	7
S016	E016	(1) Sand Trap Blowdown Tank	C012	2015	140	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	
C012	98	(1) LEED Fabrication Enclosed Combustor 48"	2015	11.66	MMBtu/hr	14	
Emission Reduction Systems						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
047-085-10086		
047-085-10087		
047-085-10085		

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
S001-S005	E001-E005	(5) 1.0 MMBtu/hr Line Heaters	Nitrogen Oxides	0.45	2.00
			Carbon Monoxide	0.40	1.70
S006-S011, S016, C012	E012	(6) Prod Fluid & BD Tanks and (1) Encl. Combustor	Volatile Organic Compounds	1.40	6.12
			Total HAPs	0.07	0.30
			Nitrogen Oxides	1.07	4.71
			Carbon Monoxide	0.90	3.95
S013	E012	Truck Loading	Volatile Organic Compounds	0.01	0.05
			Total HAPs	--	--

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
S013	E012	Truck Loading	3,876,300 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