



west virginia department of environmental protection

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

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

September 23, 2015

CERTIFIED MAIL
91 7199 9991 7035 6692 5731

Kenneth Kirk
625 Liberty Avenue
Suite 1700
Pittsburgh, PA 15222

RE: Approved Registration G70-A
G70-A031A
EQT Production Company
OXF-150
Facility ID No. 017-00040

Dear Mr. Kirk:

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 G70-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
Engineer - NSR Permitting

Enclosures: Registration G70-A031A
General Permit G70-A

*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 Class II
Administrative Update**



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-A031A

Issued to:

EQT Production Company

OXF-150 Pad

017-00040

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

William F. Durham

Director

Issued: September 23, 2015

This Class II General Permit Registration will supersede and replace G70-A031

Facility Location: West Union, 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: 518.0 km Easting • 4,341.6 km Northing • Zone 17
Longitude Coordinate: -80.791219
Latitude Coordinate: 39.223119
Directions to Facility: From Charleston take I-77 north to exit 176. Go east on US Route 50 approximately 40.6 miles. Take a right on Arnolds Creek Road (Co. Rt. 11). Go approximately 0.7 miles and turn left on Punkin Center Road (Co. Rt. 11/4) (Note google maps calls this "Left Fork Run Rd" but signage says "Punkin Center Road"). Then go approximately 3.3 miles (road turns to dirt after 3.1 miles) and veer left to an access gate. After going through gate go 0.5 miles and cross a stream on the access road. After crossing the stream continue approximately 1.1 miles to the well pad.
Registration Type: Class II Administrative Update
Description of Change: Installation and operation of: two (2) 1.54-mmBtu/hr line heaters, two (2) 140-bbl sand separator tanks, increase in produced water throughput, and an increase in condensate throughput. Removal of: six (6) 210-bbl storage tanks and one (1) 0.77-mmBtu/hr line heater.

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 checked="" 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-S012	C001 Or C002	Twelve (12) Produced Liquid Tanks	C001/C002	2015	400	Bbl	6 & 14
S019	E019	Line Heater	None	2011	0.77	MMBtu/hr	7
S021-S027	E021-E027	Seven (7) Line Heaters	None	2014	1.54	MMBtu/hr	7
S028-S031	E028-E031	Thermoelectric Generators	None	2011-14	0.013	MMBtu/hr	7
S032-S033	E032-E033	Sand Separator Tank	None	2015	140	bbl	6 & 14
S034-S035	E034-E-035	Two (2) Line Heaters	None	2015	1.54	mmBtu/hr	7
S036	C001, C002 or E37	Liquids Loading	C001/C002	2014/2015	17,725,680	Gal/year	11
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"	2015	11.66	MMBtu/hr	14	
C002	95	LEED Fabrication Enclosed Combustor 48"	2015	11.66	MMBtu/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
047-017-512480	047-017-513136	047-017-512476
047-017-512481	047-017-512474	047-017-512484
047-017-512478	047-017-512473	047-017-512482
047-017-512479	047-017-512475	047-017-512483

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, S033, and S036	C001	Vapor Combustor (Controlling S001-S012, S033, and S036)	Nitrogen Oxides	1.11	4.87
			Carbon Monoxide	0.93	4.09
			Volatile Organic Compounds	1.69	7.41
S001-S012, S033, and S036	C002	Vapor Combustor (Controlling S001-S012, S033, and S036)	Nitrogen Oxides	1.11	4.87
			Carbon Monoxide	0.93	4.09
			Volatile Organic Compounds	1.69	7.41
S019	E019	Line Heater (Limits for Each)	Nitrogen Oxides	0.07	0.32
			Carbon Monoxide	0.06	0.72
S021-S027 S034-S035	E021-E027 E034-E035	Line Heaters (Limits for Each)	Nitrogen Oxides	0.15	0.64
			Carbon Monoxide	0.12	0.54

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
Load	Load	Truck Loading	17,725,680 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