



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

December 23, 2015

CERTIFIED MAIL

91 7199 9991 7035 6692 5854

Kenneth Kirk
625 Liberty Avenue
Suite 1700
Pittsburgh, PA 15222

RE: Approved Registration G70-A
G70-A114A
EQT Production Company
OXF-127 Pad
Facility ID No. 017-00048

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-A114A
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 I
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-A114A

Issued to:
EQT Production Company
OXF-127 Pad
017-00048

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

*William F. Durham
Director*

Issued: December 23, 2015

This Class II General Permit Registration will supersede and replace G70-A114.

Facility Location: near West Union, Doddridge 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: 518.1 km Easting • 4,339 km Northing • Zone 17

Longitude Coordinate: -80.7907

Latitude Coordinate: 39.19878

Directions to Facility: From US 50 turn onto CR 50/30 (Old US 50 east). Travel on CR 50/30 for approximately 1.9 miles and turn left onto CR 21 (Oxford Rd.). Travel on CR 21 for approximately 7.3 miles turn left onto South Fork of the Hughes River. The facilities access road is on the left just past CR 23/2 (Big Run).

Registration Type: Class I Administrative Update

Description of Change: Installation and operation of: six (6) 400-bbl produced liquid tanks. Removal of twenty-one (21) 210-bbl produced liquid tanks.

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
S040 – S045	C001 or C002	Produced Liquid Tanks	C001 or C002	2010	400	bbl	Section 6 Section 14
S022 - S024	E022 - E024	Line Heaters	N/A	2010	0.77	MMBtu/hr	Section 7
S025 – S026	E025 – E026	Thermoelectric Generators (TEG)	N/A	2010	0.013	MMBtu/hr	Section 7
S027 - S032	C001 or C002	Produced Liquid Tanks	C001 or C002	2015	400	bbl	Section 6 Section 14
S034 - S037	E034 - E037	Line Heaters	N/A	2015	2.31	MMBtu/hr	Section 7
S038	C001 or C002	Sand Trap Blowdown Tank	C001 or C002	2015	140	bbl	Section 6 Section 14
S015	C001 or C002	Liquid Loading	C001 or C002	2015	8.676	MMgal/yr	Section 11
C001	C001	Vapor Combustor	N/A	2015	11.67	mmBtu/hr	Section 14
C002	C002	Vapor Combustor	N/A	2015	11.67	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	98%	48" LEED Fabrication Combustor		2010	130	scf/min	Section 14
C002	98%	48" LEED Fabrication Combustor		2010	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
047-017-05859	047-017-05852	047-017-05851
047-017-05861	047-017-05860	047-017-05898
047-017-05896		

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
S040 – S045 S027-S032 And S038-S039	C001 And C002	Produced Liquid Tanks (controlled w/ Combustor)	Nitrogen Oxides (NOx)	2.23	9.75
			Carbon Monoxide (CO)	1.87	8.19
			Total Particulate Matter (PM)	0.17	0.74
			Volatile Organic Compounds (VOC)	2.43	10.65
S022 – S024	E022 – E024	Line Heater 0.77 mmBtu/hr (emissions per each)	Nitrogen Oxides (NOx)	0.07	0.32
			Carbon Monoxide (CO)	0.06	0.27
S033 – S037	E033 – E037	Line Heater 2.31 mmBtu/hr (emissions per each)	Nitrogen Oxides (NOx)	0.22	0.96
			Carbon Monoxide (CO)	0.19	0.81

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
S040 - S045 S027 - S032	C001 or C002	Produced Liquid Tanks	8,676,000 gallons/year
S039	C001 or C002	Liquid Loading	8,676,000 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>				