



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 2, 2015

CERTIFIED MAIL
91 7199 9991 7035 6692 5700

Kenneth Kirk
625 Liberty Avenue
Suite 1700
Pittsburgh, PA 15222

RE: Approved Registration G70-A
G70-A164
EQT Production Company
OXF-163
Facility ID No. 085-00053

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-A164
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 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-A164

Issued to:
EQT Production Company
OXF-163
085-00053

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

*William F. Durham
Director*

Issued: September 2, 2015

Facility Location: near West Union, Ritchie 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: 513.59 km Easting • 4,331.88 km Northing • Zone 17
Longitude Coordinate: -80.84274
Latitude Coordinate: 39.13602
Directions to Facility: From SR 19 (Grove Summers Road) turn onto CR 52 (Sugar Run). Travel on CR 52 for approximately 1.83 miles. Continue straight onto CR 7/18 (Summers Rd. Brushy Fork). Travel for a little over a mile. The access road will be on the right.
Registration Type: Construction
Description of Change: Installation and operation of: six (6) 1.54-mmBtu/hr line heaters, six (6) 400-bbl produced liquid tanks, two (2) 11.66-mmBtu/hr combustors, two 0.013-mmBtu/hr thermoelectric generator, and one (1) 100-bbl sand trap blowdown tank.

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
S007 - S012	E013 or E014	Produced Liquid Tanks	C013 or C014	2015	400	bbl	Section 6 Section 14
S001 - S006	E001 - E006	Line Heaters	N/A	2015	1.54	MMBtu/hr	Section 7
S016 - S017	E016 - E017	Thermoelectric Generators (TEG)	N/A	2015	0.013	MMBtu/hr	Section 7
S018	E013 or E14	Sand Trap Blowdown Tank	C013 or C014	2015	100	bbl	Section 6 Section 14
S015	E013, E014, or E018	Tank Truck Loading	C013 or C014	2015	55,640	gallons/day	Section 11
C013	E013	Vapor Combustor	C013	2015	11.66	mmBtu/hr	Section 14
C014	E014	Vapor Combustor	C014	2015	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	
C013	98%	48" LEED Fabrication Combustor	2015	130	scf/min	Section 14	
C014	98%	48" LEED Fabrication Combustor	2015	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
All API numbers are to be determined		

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
S007- S012, S015, and S018	E013	Tanks and Tank Truck (controlled w/ Combustor)	Nitrogen Oxides (NOx)	1.07	4.71
			Carbon Monoxide (CO)	0.90	3.95
			Total Particulate Matter (PM)	0.08	0.36
			Volatile Organic Compounds (VOC)	3.80	16.64
S007- S012 S015, and S018	E014	Tanks and Tank Truck (controlled w/ Combustor)	Nitrogen Oxides (NOx)	1.07	4.71
			Carbon Monoxide (CO)	0.90	3.95
			Total Particulate Matter (PM)	0.08	0.36
			Volatile Organic Compounds (VOC)	3.80	16.64
S001 – S006	E001 – E006	Line Heater (Emissions from Each)	Nitrogen Oxides (NOx)	0.14	0.62
			Carbon Monoxide (CO)	0.12	0.52

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
S007 through S012	E013 or E014	Produced Liquid Tanks	55,640 gallons/day
S015	E013, E014, and E018	Tank Truck Loading	55,640 gallons/day

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>				