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

January 12, 2016

CERTIFIED MAIL
91 7199 9991 7035 6692 5878

Kenneth Kirk
625 Liberty Avenue
Suite 1700
Pittsburgh, PA 15222

RE: Approved Registration G70-A
G70-A169
EQT Production Company
OXF-153
Facility ID No. 017-00053

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

David Keatley
Engineer - NSR Permitting

Enclosures: Registration G70-A169
General Permit G70-A

West Virginia Department of Environmental Protection
Division of Air Quality

Earl Ray Tomblin
Governor

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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-A169

Issued to:
EQT Production Company
OXF-153
017-00048

William F. Durham
Director

Issued: January 12, 2016

This Class II General Permit Registration will supersede and replace R13-3052.

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:	515.746 km Easting • 4,337.873 km Northing • Zone 17
Longitude Coordinate:	-80.81767
Latitude Coordinate:	39.189997
Directions to Facility:	From West Union, travel on US 50 W for approximately three miles and turn left onto Sunnyside Road (CR 50/30). Travel on for approximately two miles on CR 50/30 and turn right onto Oxford Road (CR 21). Travel on CR 21 for approximately five miles and turn slight left onto South Fork of Hughes Rive Road (CR 23/5). Travel on CR 23/5 for approximately one mile and the access road is on the left.
Registration Type:	Modification
Description of Change:	Installation and operation of: ten (10) 400-bbl produce liquid tanks, one (1) 140-bbl sand separator tank, four (4) 1.54-mmBtu/hr line heaters, and one (1) 0.013-mmBtu/hr thermoelectric generator. Removal of fifteen (15) 210-bbl produced liquid tanks.

Subject to 40CFR60, Subpart OOOO?	No
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	☒
Section 6	Storage Vessels*	☒
Section 7	Gas Production Units, In-Line Heaters, Heater Treaters, and Glycol Dehydration Reboilers	☒
Section 8	Pneumatic Controllers Affected Facility (NSPS, Subpart OOOO)	☐
Section 9	*Reserved*	☐
Section 10	Natural Gas-Fired Compressor Engine (s) (RICE)**	☐
Section 11	Tank Truck Loading Facility***	☒
Section 12	Standards of Performance for Storage Vessel Affected Facilities (NSPS, Subpart OOOO)	☐
Section 13	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (NSPS, Subpart JJJJ)	☐
Section 14	Control Devices not subject to NSPS, Subpart OOOO	☒
Section 15	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40CFR63, Subpart ZZZZ)	☐
Section 16	Glycol Dehydration Units	☐
Section 17	Dehydration Units With Exemption from NESHAP Standard, Subpart HH § 63.764(d) (40CFR63, Subpart HH)	☐
Section 18	Dehydration Units Subject to NESHAP Standard, Subpart HH and Not Located Within an UA/UC (40CFR63, Subpart HH)	☐
Section 19	Dehydration Units Subject to NESHAP Standard, Subpart HH and Located Within an UA/UC (40CFR63, Subpart HH)	☐

* 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
S016 – S017 And S032 – S035	E016 – E017 And E032 – S035	Line Heaters	N/A	2011 And 2016	1.54	mmBtu/hr	Section 7
S018	E018	Line Heaters	N/A	2011	0.77	mmBtu/hr	Section 7
S019-S020 And S036	E019 – E020 And S036	Thermoelectric Generators	N/A	2011 And 2016	0.013	mmBtu/hr	Section 7
S021 – S030	C001	Produced Liquid Tanks	C001	2016	400	bbl	Section 6 Section 14
S031	E031	Sand Separator Tank	None or C001	2016	140	bbl	Section 6
S037	C001	Liquid Loading	C001 or C002	2015	20.11	MMgal/yr	Section 11
C001	C001	Enclosed Combustor	N/A	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
C001	95%	48" LEED Enclosed Combustor	2011	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
047-017-05923	047-017-05927	047-017-05926
047-017-05924	047-017-05925	

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
S021 – S030 S037, C001, and S031	C001	Produced Liquid Tanks (controlled w/ Combustor)	Nitrogen Oxides (NOx)	0.95	4.18
			Carbon Monoxide (CO)	0.80	3.51
			Volatile Organic Compounds (VOC)	11.48	50.25
S016 – S017 And S032 – S035	E016 – E017 And E032 – E035	Line Heater 1.54 mmBtu/hr (emissions per each)	Nitrogen Oxides (NOx)	0.13	0.55
			Carbon Monoxide (CO)	0.11	0.46
S018	E018	Line Heater 0.77 mmBtu/hr (emissions per each)	Nitrogen Oxides (NOx)	0.06	0.27
			Carbon Monoxide (CO)	0.05	0.23

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
S021 - S030	C001	Produced Liquid Tanks	20,110,000 gallons/year
S037	C001	Liquid Loading	20,110,000 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)
No RICE				