



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 3, 2015

CERTIFIED MAIL
91 7199 9991 7035 6692 5816

Kenneth Kirk
625 Liberty Avenue
Suite 1700
Pittsburgh, PA 15222

RE: Approved Registration G70-A
G70-A170
EQT Production Company
WEU-2
Facility ID No. 017-00050

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
Permit Writer - NSR Permitting

Enclosures: Registration G70-A170
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 Modify**



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-A170

**Issued to:
EQT Production Company
WEU-2
017-00050**

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

*William F. Durham
Director*

Issued: December 3, 2015

This Class II General Permit Registration will supersede and replace R13-3049.

Facility Location: 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: 519.714 km Easting • 4,347.046 km Northing • Zone 17
Longitude Coordinates: -80.77145°
Latitude Coordinates: 39.27255°
Directions to Facility: Travelling north on I79 take exit 119 at Clarksburg. Turn left onto US 50 and travel west for approximately 27.8 miles. Take a left at Doddridge County High School onto Bulldog Drive. Travel approximately 0.3 and take the first left at the first fork. The facility will be approximately 0.8 miles at the end of the road.
Registration Type: Modification
Description of Change: Installation and operation of: twelve (12) 400-bbl condensate tanks, four (4) 1.54-mmBtu/hr line heaters, one (1) 140-bbl sand separator tank, one (1) 0.013-mmBtu/hr thermoelectric generator, one (1) 11.66-mmBtu/hr enclosed combustor. Removal of twenty-one (21) condensate 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	<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
S022	E022	Line Heater	-	2011	1.54	mmBtu/hr	Section 7
S023	E023	Line Heater	-	2011	1.15	mmBtu/hr	Section 7
S024	E024	Line Heater	-	2011	0.77	mmBtu/hr	Section 7
S025	E025	Line Heater	-	2011	0.77	mmBtu/hr	Section 7
S026	E026	Line Heater	-	2011	0.77	mmBtu/hr	Section 7
S027	E027	Line Heater	-	2011	0.77	mmBtu/hr	Section 7
S028	E028	Line Heater	-	2011	0.77	mmBtu/hr	Section 7
S029	E029	Thermoelectric Generator	-	2011	0.013	mmBtu/hr	Section 7
S030	E030	Thermoelectric Generator	-	2011	0.013	mmBtu/hr	Section 7
S031	E031	Produced Liquid Tank	C001/ C002	2015	400	bbl	Section 14
S032	E032	Produced Liquid Tank	C001/ C002	2015	400	bbl	Section 14
S033	E033	Produced Liquid Tank	C001/ C002	2015	400	bbl	Section 14
S034	E034	Produced Liquid Tank	C001/ C002	2015	400	bbl	Section 14
S035	E035	Produced Liquid Tank	C001/ C002	2015	400	bbl	Section 14
S036	E036	Produced Liquid Tank	C001/ C002	2015	400	bbl	Section 14
S037	E037	Produced Liquid Tank	C001/ C002	2015	400	bbl	Section 14
S038	E038	Produced Liquid Tank	C001/ C002	2015	400	bbl	Section 14
S039	E039	Produced Liquid Tank	C001/ C002	2015	400	bbl	Section 14
S040	E040	Produced Liquid Tank	C001/ C002	2015	400	bbl	Section 14
S041	E041	Produced Liquid Tank	C001/ C002	2015	400	bbl	Section 14
S042	E042	Produced Liquid Tank	C001/ C002	2015	400	bbl	Section 14
S043	E043	Sand Separator Tank	C001/ C002	2015	140	bbl	Section 14
S044	E044	Line Heater	-	2015	1.54	mmBtu/hr	Section 7
S045	E045	Line Heater	-	2015	1.54	mmBtu/hr	Section 7
S046	E046	Line Heater	-	2015	1.54	mmBtu/hr	Section 7
S047	E047	Line Heater	-	2015	1.54	mmBtu/hr	Section 7
S048	E048	Thermoelectric Generator	-	2015	0.013	mmBtu/hr	Section 7
S049	E049	Produced Liquid Truck Loading	C001/ C002	2011	51,635,520	Gallons/year	Section 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 48" Enclosed Combustor	2011	11.66	mmBtu/hr	Section 14
C002	95%	LEED 48" Enclosed Combustor	2015	11.66	mmBtu/hr	Section 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
47-017-05912	47-017-05913	47-017-05917
47-017-05914	47-017-05915	47-017-05916
47-017-05957		

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
S022 and S044-S047	E022 and E044-E047	Line Heaters 1.54 mmBtu/hr (Emissions per Each Unit)	Nitrogen Oxides	0.14	0.62
			Carbon Monoxide	0.12	0.52
S023	E023	Line Heater 1.15 mmBtu/hr	Nitrogen Oxides	0.09	0.41
			Carbon Monoxide	0.08	0.35
S024-S028	E024-E028	Line Heaters 0.77 mmBtu/hr (Emissions per Each Unit)	Nitrogen Oxides	0.06	0.26
			Carbon Monoxide	0.05	0.23
C001	C001	LEED 48" Enclosed Combustor (Controlling Produced Liquid Tanks)	Nitrogen Oxides	0.95	4.18
			Carbon Monoxide	0.80	3.51
			Volatile Organic Compounds	6.24	27.32
			n-Hexane	0.22	0.96
C002	C002	LEED 48" Enclosed Combustor (Controlling Produced Liquid Tanks)	Nitrogen Oxides	0.95	4.18
			Carbon Monoxide	0.80	3.51
			Volatile Organic Compounds	6.24	27.32
			n-Hexane	0.22	0.96

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
S049	C001 and C002	Produced Water Truck Loading	51,635,520 gallons/year
S031-S042	C001 and C002	Tank Emissions	51,635,520 gallons/year

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)
None				