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-A107

Issued to:
EQT Production Company
BIG-367
103-00096

William F. Durham
Director

Issued: May 12, 2015

Facility Location:	near Jacksonburg, Wetzel 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:	536.095 km Easting • 4,378.630 km Northing • Zone 17
Longitude Coordinate:	-80.57985
Latitude Coordinate:	39.55659
Directions to Facility:	From the intersection of WV 2 and WV 7 (Wetzel County) turn onto WV7 east. Take WV 7 until WV 20. Turn onto WV 20 and travel east until 0.3 miles past Jacksonburg. Turn onto CR 76 (Richwood Run Rd.) Travel for approximately 1.9 miles, take slight left onto CR 15/2 (North Fork of Richwood Run). Travel on CR 15/2 for approximately 2.6 miles and turn right onto CR 74 (Sheep Run). Travel on CR 74 for approximately 0.6 miles and the site will be on the right.
Registration Type:	Construction
Description of Change:	Installation and operation of: thirteen (13) 1.00-mmBtu/hr line heaters, thirteen (13) 400-bbl produced liquid tanks, three (3) 11.66-mmBtu/hr combustors, two (2) 0.013-mmBtu/hr thermoelectric generators, one (1) 140-bbl sand blowdown tank, and one (1) 90-mmscf/day triethylene glycol (TEG) dehydration unit with associated 0.75 mmBtu/hr reboiler.

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	☒
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
S021 - S034	E017 or E018	Produced Liquid Tanks	C017 or C018	2015	400	bbl	Section 6 Section 14
S001 - S013	E001 - E013	Line Heaters	N/A	2015	1.00	MMBtu/hr	Section 7
S019 – S020	E019 – E020	Thermoelectric Generators (TEG)	N/A	2015	0.013	MMBtu/hr	Section 7
S016	E017 or E18	Sand Trap Blowdown Tank	C017 or C018	2015	138	bbl	Section 6 Section 14
S043	E017 or E018	Liquid Loading	C017 or C018	2015	5.83	MMgal/yr	Section 11
S041	E041	Reboiler	N/A	2015	0.75	MMBtu/hr	Section 7
S040	E042	Dehydrator Vents	C042	2015	90	mmscf/day	Section 16 Section 17
S017	E017	Vapor Combustor	C017	2015	11.66	mmBtu/hr	Section 14
S018	E018	Vapor Combustor	C018	2015	11.66	mmBtu/hr	Section 14
S042	E042	Vapor Combustor	C042	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
C017	98%	48" LEED Fabrication Combustor	2015	130	scf/min	Section 14
C018	98%	48" LEED Fabrication Combustor	2015	130	scf/min	Section 14
C042	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
047-103-02980	047-103-02937	047-103-02937
047-103-02939	047-103-02940	047-103-02941
047-103-02942	047-103-02943	047-103-02981

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
S021- S034 S016 and S043	E017	Produced Liquid Tanks (controlled w/ Combustor)	Nitrogen Oxides (NOx)	1.15	5.02
			Carbon Monoxide (CO)	0.96	4.22
			Total Particulate Matter (PM)	0.09	0.38
			Volatile Organic Compounds (VOC)	0.06	0.28
S021- S034 S016 and S043	E018	Produced Liquid Tanks (controlled w/ Combustor)	Nitrogen Oxides (NOx)	1.15	5.02
			Carbon Monoxide (CO)	0.96	4.22
			Total Particulate Matter (PM)	0.09	0.38
			Volatile Organic Compounds (VOC)	0.06	0.28
S040	E042	Dehydrator Vents (Controlled by a LEED Combustor)	Nitrogen Oxides (NOx)	1.15	5.02
			Carbon Monoxide (CO)	0.96	4.22
			Total Particulate Matter (PM)	0.09	0.38
			Volatile Organic Compounds (VOC)	0.65	2.85
S001 – S013	E001 – E013	Line Heater (Emissions from Each)	Nitrogen Oxides (NOx)	0.08	0.35
			Carbon Monoxide (CO)	0.07	0.30
S041	E041	Reboiler	Nitrogen Oxides (NOx)	0.06	0.26
			Carbon Monoxide (CO)	0.05	0.22

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- S034	E017 or E018	400 bbl Condensate Tanks	13,140,000 gallons/year
S043	E017 or E018	Liquid Loading	13,140,000 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				