



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 1, 2015

CERTIFIED MAIL
91 7199 9991 7035 6613 6212

Kenneth Kirk
625 Liberty Avenue, Suite 1700
Pittsburgh, PA 15222

RE: Approved Registration G70-A044A
EQT Production Company
PEN-15 Pad
Facility ID No. 085-00022

Dear Mr. Kirk:

The Director has determined that the submitted Registration Application and proposed modification and operation of an oil and natural gas production facility 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.

General Permit G70-A can be accessed electronically at www.dep.wv.gov/daq/permitting/Pages/airgeneralpermit.aspx. Hard copies are available upon request by contacting Danielle Wentz at (304)926-0499 ext. 1193.

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. 1222 or Roy.F.Kees@wv.gov.

Sincerely,

Roy F. Kees, P.E.
Engineer - NSR Permitting

Enclosures: Registration G70-A044A
c. Alex Bosiljevac

*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-A044A

**Issued to:
EQT Production Company
PEN 15 Pad
085-00022**

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

*William F. Durham
Director*

Issued: December 1, 2015

This Class II General Permit Registration will supercede and replace G70-A044.

Facility Location: Pennsboro, 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: 4,345.8 km Easting • 504.2 km Northing • Zone 17
Longitude Coordinates: -80.95179
Latitude Coordinates: 39.26205
Directions to Facility: From Pennsboro, WV, go east on Old US 50 for approximately 1 mile and then turn right onto Pullman Drive (Route 74) and go approximately 1.5 miles. Turn left onto access road to the site.
Registration Type: Modification
Description of Change: Add two vapor combustors, two 140 bbl tanks and one thermoelectric generator.

Subject to 40CFR60, Subpart OOOO? Yes, gas wells and pneumatic controllers.

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 checked="" 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
S001 S002 S003 S004 S005 S006	E001 E002 E003 E004 E005 E006	Storage Tank	C001 - C004	2013	400 (each)	bb1	6.0
S013 S014 S015 S016 S017 S018	E013 E014 E015 E016 E017 E018	Storage Tank	C001 - C004	2014	400 (each)	bb1	6.0
S007 S008 S009 S010 S011	E007 E008 E009 E010 E011	Line Heater	N/A	2013	1.54	MMBtu/hr	7.0
S019 S020 S021 S022 S023	E019 E020 E021 E022 E023	Line Heater	N/A	2014	1.54	MMBtu/hr	7.0
S012	E012	Thermoelectric Generator	N/A	2013	0.013	MMBtu/hr	N/A
S024	E024	Thermoelectric Generator	N/A	2014	0.013	MMBtu/hr	N/A
S025	E025	Thermoelectric Generator	N/A	2015	0.013	MMBtu/hr	N/A
S026	E026	Sand Separator Tank	N/A	2015	140	Bbl	N/A
S027	E027	Sand Separator Tank	N/A	2015	140	Bbl	N/A
n/a	n/a	Condensate Tank Truck Loading	C001 - C004	2013	18,576	MMGal/yr	11.0

Control Devices						
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%	Enclosed Combustion Device	2013	11.66	MMBtu/hr	14.0
C002	98%	Enclosed Combustion Device	2014	11.66	MMBtu/hr	14.0
C003	98%	Enclosed Combustion Device	2015	18.75	MMBtu/hr	14.0
C004	98%	Enclosed Combustion Device	2015	18.75	MMBtu/hr	14.0
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
047-085-09929	047-085-09930	047-085-09931
047-085-09932	047-085-09933	047-085-10093
047-085-10094	047-085-10095	047-085-10096
047-085-10097		

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
S001-S006 S013-S018,	E001-E006 E013-18	(12) Condensate Tanks and (4) Vapor Combustors	Volatile Organic Compounds	11.71	51.29
			Total HAPs	0.67	2.95
			Nitrogen Oxides	5.82	25.50
			Carbon Monoxide	4.89	21.42
S007-S011 S019-S023	E007-11,19-23	(10) Line Heaters	Nitrogen Oxides	1.50	6.40
			Carbon Monoxide	1.20	5.40
			S028	E028	Truck Loading
			Total HAPs	--	--

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
S028	E028	Condensate Loading Operations	18,576,000 gallons

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)
N/A	N/A	N/A	N/A	N/A