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

October 23, 2015

CERTIFIED MAIL
91 7199 9991 7034 3222 9253

Kenneth Kirk
EQT Production Company
625 Liberty Avenue, Suite 1700
Pittsburgh, PA 15222

RE: **Approved Registration G70-A099A**
EQT Production Company
WEU-51 NG Production Facility
Facility ID No. 017-00130

Dear Mr. Kirk:

The Director has determined that the submitted Registration Application and proposed modification 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. 1223 or jerry.williams@wv.gov.

Sincerely,

Jerry Williams, P.E.
Engineer

Enclosures: Registration G70-A099A

c: Alex Bosiljevac

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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-A099A

Issued to:
EQT Production Company
WEU-51 Natural Gas Production Facility
017-00130

William F. Durham
Director

Issued: October 23, 2015

Facility Location:	West Union, Doddridge County, West Virginia
Mailing Address:	625 Liberty Avenue, Suite 1700, Pittsburgh, PA 15222
Facility Description:	Natural Gas Production
NAICS Code:	211111
SIC Code:	1311
UTM Coordinates:	520.425 km Easting • 4,345.203 km Northing • Zone 17
Longitude Coordinates:	-80.76326
Latitude Coordinates:	39.25592
Directions to Facility:	From West Union: Head south on Neely Avenue towards West Main Street. Turn left onto West Main Street (0.4 miles). Turn right onto WV-18S (2.5 miles). Turn right onto Maxwell Ridge and travel approximately 2.2 miles to site.
Registration Type:	Modification
Description of Change:	Increase in produced liquids throughput.

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
S001 – S007	E001 – E007	Line Heater	None	2015	1.54	MMBTU/ hr (each)	7
S008 - S015	E017, E018	Produced Fluids Storage Tanks	C017, C018	2015	400	bbl (each)	6, 14
C017	E017	Enclosed Combustion Device	NA	2015	11.66	MMBTU/ hr	14
C018	E018	Enclosed Combustion Device	NA	2015	11.66	MMBTU/ hr	14
S019, S020	E019, E020	Thermoelectric Generators	None	2015	0.013	MMBtu/ hr (each)	7
S016	E017, E018	Tank Truck Loading	C017, C018	2015	30,000,000	gal/yr	11, 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% - VOC 98% - HAPs	Leed Fabrication Enclosed Combustor (48")	2014	11.66	MMBTU/ hr	14
C018	98% - VOC 98% - HAPs	Leed Fabrication Enclosed Combustor (48")	2014	11.66	MMBTU/ hr	14

Emission Reduction Systems	Yes or No	G-70A Applicable Sections
Was a vapor recovery system (VRU) used to determine emission limits?	No	NA
Was a low pressure tower(s) used to determine emission limits?	No	NA

2.0 Oil and Natural Gas Wells Table

API number	API number	API number
047-017-06381	047-017-06386	047-017-06385
047-017-06384	047-017-06383	047-017-06575
047-017-06574		

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
S001 – S007	E001 – E007	(7) 1.54 mmBtu/hr Line Heaters (each)	Nitrogen Oxides	0.13	0.55
			Carbon Monoxide	0.11	0.47
			Volatile Organic Compounds	0.01	0.03
S008 – S015, C017, C018	E017, E018[1]	(8) 400 bbl Produced Fluids Tanks, Enclosed Combustion Device	Nitrogen Oxides	0.96	4.21
			Carbon Monoxide	0.81	3.53
			Volatile Organic Compounds	4.35	19.03

[1] *The combustor emission points (E017, E018) include potential controlled emissions from all storage tanks and liquid loading since all tanks have the potential to be routed to either combustor at a given time.*

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
L001	L001	Liquids Loading	30,000,000 gal/yr
S008 – S015	E008 – E015	Produced Fluids Storage Tanks	30,000,000 gal/yr (total)

5.0 Reciprocating Internal Combustion Engines (R.I.C.E.) Information

N/A