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

March 3, 2016

CERTIFIED MAIL
91 7199 9991 7035 6613 6311

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

RE: Approved Registration G70-A142A
EQT Production Company
SMI-28 Pad
Facility ID No. 017-00055

Dear Mr. Kirk:

The Director has determined that the submitted Registration Application and proposed construction 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-A142A
c. Alex Bosiljevac

West Virginia Department of Environmental Protection
Division of Air Quality

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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-A142A
Issued to:
EQT Production Company
SMI-28 Pad
017-00055

William F. Durham
Director

Issued: March 3, 2016

Facility Location:	New Milton, Doddridge County, West Virginia
Mailing Address:	625 Liberty Avenue, Suite 1700, Pittsburgh, PA 15222
Facility Description:	Natural Gas Production Well Pad
NAICS Code:	211111
SIC Code:	1311
UTM Coordinates:	522.599 km Easting • 4,345.954 km Northing • Zone 17
Longitude Coordinates:	-80.73805
Lattitude Coordinatees:	39.26262
Directions to Facility:	From US-50E, go 43.2 miles to Maxwell Ridge in Doddridge County. Turn right onto WV-18S and travel 1.9 miles. Turn right onto Maxwell Ridge and the facility will be on left after 0.7 miles.
Registration Type:	Modification
Description of Change:	Addition of two enclosed combustors.

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-S010	E001-E010	(10) P. Fluid Storage Tanks	C001/C002	2013	400	Bbl	6 & 14
S011-S019	E011-E019	(9) Line Heaters	N/A	2013	1.54	MMBtu/hr	7
S020-S021	E020-E021	(2) Thermoelectric Generators	N/A	2013	0.029	MMBtu/hr	7
S022-S023	E022-E023	(2) P. Fluid Storage Tanks	C001/C002	2014	400	Bbl	6 & 14
S024-S025	E024-E025	(2) Line Heaters	N/A	2014	1.54	MMBtu/hr	7
S026-S027	E026-E027	(2) P. Fluid Storage Tanks	C001/C002	TBD	400	Bbl	6 & 14
S028-S029	E028-E029	(2) Line Heaters	N/A	TBD	1.54	MMBtu/hr	7
S030	E030	Sand Separator Tank	N/A	TBD	140	Bbl	6
S031-S033	E031-E033	(3) Thermoelectric Generators	N/A	TBD	0.07	MMBtu/hr	7
S034	E034	Truck Loading	C001/C002	2013	35,504,692	Gal/year	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	98	LEED Fabrication 48" Encl. Comb.	2013	11.66	MMBtu/hr	14
C002	98	LEED Fabrication 48" Encl. Comb.	2014	11.66	MMBtu/hr	14
C003	98	LEED Fabrication 60" Encl. Comb.	TBD	19.22	MMBtu/hr	14
C004	98	LEED Fabrication 60" Encl. Comb.	TBD	19.22	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	
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
047-017-06136	047-017-06214	047-017-06186
047-017-06137	047-017-06217	047-017-06588
047-017-06116	047-017-06215	TBD
047-017-06115	047-017-06216	
047-017-06135	047-017-06291	

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
S001-10, S022-23, S026-27, S030	E001-10, E022-23, E026-27, E030	(14) P. Fluid Tanks & (1) Sand Sep. Tank	Volatile Organic Compounds	15.37	67.32
			Total HAPs	0.14	0.60
S011-19, S024-25, S028-29	E011-19, E024-25, E028-29	Line Heaters	Nitrogen Oxides	1.90	8.34
			Carbon Monoxide	1.60	7.01
S034	E034	Truck Loading	Volatile Organic Compounds	--	1.27
			Total HAPs	--	0.03
C001-C004	C001-C004	Encl.Combustors	Nitrogen Oxides	5.98	26.16
			Carbon Monoxide	5.02	21.98
			Volatile Organic Compounds	6.48	22.30

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
S034	E034	Truck Loading	35,504,692

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