

*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 Update



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-A045B

Issued to:
Antero Resource Corporation
Powell Natural Gas Production Facility
017-00061

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

*William F. Durham
Director*

Issued: April 20, 2015

This Registration Will Supersede and Replace G70-A045A.

Facility Location: Near Smithburg, Doddridge County, West Virginia
Mailing Address: 1615 Wynkoop Street, Denver, CO 80202
Facility Description: Natural gas production facility
NAICS Code: 211111
SIC Code: 1311
UTM Coordinates: Easting: 526.579 km Northing: 4,347.254 km Zone: 17
Latitude/Longitude: 39.27422/-80.69185
Directions to Facility: From the intersection of United States (US) Route 50 and Smithton Road (County Route (CR) 50/30), travel south on Smithton Road for approximately 0.2 miles and turn left onto Swisher Lane. Follow Swisher Lane to the facility entrance.
Registration Type: Class II Administrative Update
Description of Change: Removing Vapor Combustor due to condensate throughput decrease.

Subject to 40CFR60, Subpart OOOO? Yes, Gas Wells

Subject to 40CFR60, Subpart JJJJ? No Engines

Subject to 40CFR63, Subpart ZZZZ? No Engines

Subject to 40CFR63, Subpart HH? No TEG Dehydration Unit

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 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
H001	H001	Wenco Energy SB16/10H	N/A	2012	0.5	MMBtu/hr	Section 7
H002	H002	Wenco Energy SB16/10H	N/A	2012	0.5	MMBtu/hr	Section 7
H003	H003	Wenco Energy SB16/10H	N/A	2012	0.5	MMBtu/hr	Section 7
H004	H004	Wenco Energy SB16/10H	N/A	2012	0.5	MMBtu/hr	Section 7
H005	H005	Wenco Energy SB16/10H	N/A	2013	1.0	MMBtu/hr	Section 7
H006	H006	Wenco Energy SB16/10H	N/A	2013	1.0	MMBtu/hr	Section 7
H007	H007	Wenco Energy SB16/10H	N/A	2014	1.0	MMBtu/hr	Section 7
H008	H008	Wenco Energy SB16/10H	N/A	2014	1.0	MMBtu/hr	Section 7
H009	H009	Wenco Energy SB16/10H	N/A	2014	1.0	MMBtu/hr	Section 7
T001	N/A	Condensate/Produced Water Tank	N/A	2013	400	bbl (each)	Section 6
T002	N/A	Condensate/Produced Water Tank	N/A	2013	400	bbl (each)	Section 6
T003	N/A	Condensate/Produced Water Tank	N/A	2013	400	bbl (each)	Section 6
T004	N/A	Condensate/Produced Water Tank	N/A	2013	400	bbl (each)	Section 6
T005	N/A	Condensate/Produced Water Tank	N/A	2013	400	bbl (each)	Section 6
T006	N/A	Condensate/Produced Water Tank	N/A	2013	400	bbl (each)	Section 6
T007	N/A	Condensate/Produced Water Tank	N/A	2013	400	bbl (each)	Section 6
T008	N/A	Condensate/Produced Water Tank	N/A	2013	400	bbl (each)	Section 6
L001	EP-L001	Condensate / PW Loading	N/A	2013	538,080	gal/yr	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	
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
47-017-06085-00	47-017-06255-00	
47-017-06084-00	47-017-06253-00	
47-017-06086-00	47-017-06254-00	
47-017-06080-00	47-017-06257-00	
47-017-06256-00		

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
H001-H008	H001-H008	(4) 0.5 and (4) 1.0 mmBtu/hr GPU Heaters	Nitrogen Oxides (NOx)	0.56	2.46
			Carbon Monoxide (CO)	0.47	2.07
T001-T008	T001-T008	(8) 400 bbl Condensate / PW Tanks	Volatile Organic Compounds (VOC) – Combustion Exhaust ⁽²⁾	0.79	3.47
			Total HAPs	0.03	0.13
			Volatile Organic Compounds (VOC)	0.56	0.01
L001	L001	Condensate/PW Loading	Total Hazardous Air Pollutants (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
L001	EP-L001	Condensate / PW Loading	538,080 gal/yr

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)
<i>No RICE</i>				