

*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 Class II
Administrative 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-A018B

Issued to:
Antero Resource Corporation
Coastal Hilltop Pad
017-00062

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

*William F. Durham
Director*

Issued: April 1, 2015

This General Permit Registration will supersede and replace G70-A018A.

Facility Location: Near New Milton, Doddridge County, West Virginia
Mailing Address: 1615 Wynkoop St.
Denver, CO 80202

Facility Description: Natural Gas Production Facility

NAICS Code: 211111

SIC Code: 1311

UTM Coordinates: 525.136 km Easting • 4,336.569 km Northing • Zone 17

Latitude/Longitude: 39.20222/-80.69750

Directions to Facility: From the intersection of SR 18 and County Route (CR) 25 (Meathouse Fork Road) north of New Milton, travel south on CR 25 for approximately 3.3 miles and turn right onto CR 56 (Brushy Fork Road). Follow Brushy Fork Road for approximately 0.6 miles to an Antero access road on the right. The facility will then lie 1.6 miles at the end of the access road (you will pass the Maxwell well-pad and production facility the right on the way to Coastal Hilltop).

Registration Type: Class II Administrative Update

Description of Change: Removal of 6.6 mmBtu/hr Cimarron Combustor.

Subject to 40CFR60, Subpart OOOO? Yes, Gas Well Affected Facility

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 type="checkbox"/>
Section 9	Reserved	<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	EP-H001	GPU Heater	None	2013	0.5	mmBtu/hr	7
H002	EP-H002	GPU Heater	None	2013	0.5	mmBtu/hr	7
ST001	EP-ST001	Condensate Tank	None	2013	400	bbl (each)	6 and 14
ST002	EP-ST002	Condensate Tank	None	2013	400	bbl (each)	6 and 14
L001	EP-L001	Condensate Loading	None	2013	19,930	gallons/year	11
L002	EP-L002	Produced Water Loading	None	2013	239,150	gallons/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	
		None					
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
47017060990000	47017060960000	

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
H001	EP-H001	Heater	Nitrogen Oxides (NOx)	0.04	0.18
			Carbon Monoxide (CO)	0.04	0.15
H002	EP-H002	Heater	Nitrogen Oxides (NOx)	0.04	0.18
			Carbon Monoxide (CO)	0.04	0.15
ST001 And ST002	EP-ST001-02	Condensate and Produced Water Tanks	Volatile Organic Compounds (VOC)	0.35	1.53
			Hexane	0.02	0.08
			Benzene	0.01	0.04
L001	EP-L001	Condensate Loading	Volatile Organic Compounds (VOC)	3.17	0.04
			Benzene	0.05	0.01
			Hexane	0.14	0.01

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
H001	EP-H001	0.5 MMBtu/hr Heater	3.65 mmscf/yr
H002	EP-H002	0.5 MMBtu/hr Heater	3.65 mmscf/yr
ST001	EP-ST001	One (1) Condensate Tank	19,929 gallons/year
ST002	EP-ST002	One (1) Produced Water Tank	239,148 gallons/year
L001	EP-L001	Condensate Loading	19,929 gallons/year
L002	EP-L002	Produced Water Loading	239,148 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)
<i>No RICE</i>				