

*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 for a 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-A011A

**Issued to:
Antero Resources Corporation
Maxwell Horizontal Wellpad
017-00083**

A blue ink signature of William F. Durham, written over a horizontal line.

*William F. Durham
Director*

Issued: April 16, 2015

This Class II General Permit Registration will supersede and replace G70A-A011

Facility Location: New Milton, Doddridge County, West Virginia
Mailing Address: 1615 Wynkoop St. Denver, CO 80202
Facility Description: Natural Gas Production
NAICS Code: 211111
SIC Code: 1311
UTM Coordinates: 526.539 km Easting • 4,339.873 km Northing • Zone 17
Longitude Coordinates: -80.69283
Latitude Coordinates: 39.20769
Directions to Facility: From New Milton, head southeast on C/R 25 / Meathouse Fork Road. Turn left to continue on C/R 25 / Meathouse Fork. Turn right at Brushy Fork, then turn right at second fork.
Registration Type: Class II Administrative Update
Description of Change: Removal of the flare.

Subject to 40CFR60, Subpart OOOO? Yes

Subject to 40CFR60, Subpart JJJJ? No. No Engines

Subject to 40CFR63, Subpart ZZZZ? No. No Engines

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 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., etc.)	Control Device ID	Year Installed / Modified	Max. Design Capacity	Design Capacity Unit of Measure	G70-A Applicable Sections
H001	EP-H001	Heater Treater	N	2014	1.0	mmBtu/hr	7
H002	EP-H002	Heater Treater	N	2014	1.0	mmBtu/hr	7
H003	EP-H003	Heater Treater	N	2014	1.0	mmBtu/hr	7
TANKCO ND001	EP-TANKCOND001	Condensate Tank	N	2014	400	Bbl	6
TANKCO ND002	EP-TANKCOND002	Condensate Tank	N	2014	400	Bbl	6
TANKCO ND003	EP-TANKCOND003	Condensate Tank	N	2014	400	Bbl	6
TANKCO ND004	EP-TANKCOND004	Condensate Tank	N	2014	400	Bbl	6
TANKCO ND005	EP-TANKCOND005	Condensate Tank	N	2014	400	Bbl	6
TANKCO ND006	EP-TANKCOND006	Condensate Tank	N	2014	400	Bbl	6
TANKPW 001	EP-TANKPW001	Produced Water Tank	N	2014	400	Bbl	6
TANKPW 002	EP-TANKPW002	Produced Water Tank	N	2014	400	Bbl	6
L001	EP-L001	Cond. Loading	N	2014	306,600	Gal/year	11
L002	EP-L002	P.W. Loading	N	2014	3,679,200	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	
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
047-017-06100		
047-017-06097		
047-017-06098		

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
H001-H003	EP-H001-H003	(3) 1.0mmBtu/hr GPU Heaters	Nitrogen Oxides	0.24	1.05
			Carbon Monoxide	0.20	0.89
TANKC OND1-6	EP-TANKCO ND1-6	(6) 400 BBL Condensate Tanks	Volatile Organic Compounds	1.80	7.88
			Total HAPs	0.02	0.08
L001	EP-L001	Condensate Truck Loading	Volatile Organic Compounds	4.74	0.01
			Total HAPs	0.01	0.01
TANKP W1-2	EP-TANKPW 1-2	(2) 400 BBL Produced Water Tanks	Volatile Organic Compounds	0.01	0.04

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 Truck Loading	20,404 gal/yr
TANKCOND001-006	EP-TANKCOND001-006	Condensate Tanks (Total)	20,404 gal/yr

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)
NA	NA	NA	NA	NA