

*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-A034B

Issued to:
Antero Resources Corporation
Corder East Well Pad
033-00209



William F. Durham
Director

Issued: April 2, 2015

Facility Location: Near Industrial, Harrison County, West Virginia
Mailing Address: 1615 Wynkoop Street
Denver, CO 80202
Facility Description: Natural Gas Production
NAICS Code: 211111
SIC Code: 1311
UTM Coordinates: 538.551 km Easting • 4,341.551 km Northing • Zone 17
Longitude Coordinates: -80.553401
Latitude Coordinates: 39.222389
Directions to Facility: At the intersection of C/R 15 / Sherwood Greenbrier Road and Traugh Fork Road, continue to Traugh Fork Road and go for 1.8 miles. Continue to C/R 30 / Turtletree Fork Road and go for 0.6 miles. Turn right to C/R 30/1 and go for 0.6 miles. The entrance to the facility is on the right.
Registration Type: Class II Administrative Update
Description of Change: Removal of Cimarron Vapor 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	<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	EP-H001	GPU Heater	None	2013	1.0	mmBtu/hr	7
H002	EP-H002	GPU Heater	None	2013	1.0	mmBtu/hr	7
H003	EP-H003	GPU Heater	None	2013	1.0	mmBtu/hr	7
H004	EP-H004	GPU Heater	None	2013	1.0	mmBtu/hr	7
H005	EP-H005	GPU Heater	None	2013	1.0	mmBtu/hr	7
H006	EP-H006	GPU Heater	None	2013	1.0	mmBtu/hr	7
H007	EP-H007	GPU Heater	None	2013	1.0	mmBtu/hr	7
H008	EP-H008	GPU Heater	None	2013	1.0	mmBtu/hr	7
H009	EP-H009	GPU Heater	None	2013	1.0	mmBtu/hr	7
H010	EP-H010	GPU Heater	None	2013	1.0	mmBtu/hr	7
H011	EP-H011	GPU Heater	None	2013	1.0	mmBtu/hr	7
TANK001	EP-TANK001	Condensate/ Produce Water Tank	None	2013	400	Bbl	6 & 14
TANK002	EP-TANK002	Condensate/ Produce Water Tank	None	2013	400	Bbl	6 & 14
TANK003	EP-TANK003	Condensate/ Produce Water Tank	None	2013	400	Bbl	6 & 14
TANK004	EP-TANK004	Condensate/ Produce Water Tank	None	2013	400	Bbl	6 & 14
TANK005	EP-TANK005	Condensate/ Produce Water Tank	None	2013	400	Bbl	6 & 14
TANK006	EP-TANK006	Condensate/ Produce Water Tank	None	2013	400	Bbl	6 & 14
TANK007	EP-TANK007	Condensate/ Produce Water Tank	None	2013	400	Bbl	6 & 14
TANK008	EP-TANK008	Condensate/ Produce Water Tank	None	2013	400	Bbl	6 & 14
TANK009	EP-TANK009	Condensate/ Produce Water Tank	None	2013	400	Bbl	6 & 14
L001	EP-L001	Condensate/ Produce Water Loading	None	2013	1,424,920	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
None						
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
047-033-05711-00	047-033-05705-00	047-033-05651-00
047-033-05709-00	047-033-05704-00	047-033-05677-00
047-033-04714-00	047-033-05710-00	047-033-05708-00
047-033-05715-00	047-033-05659-00	

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
H001-H011	EP-H001-H011	Eleven (11) GPU Heaters	Nitrogen Oxides	0.98	4.30
			Carbon Monoxide	0.82	3.61
TANK001-009	EP-TANK001-009	Nine (9) Condensate/Produced Water Tanks	Volatile Organic Compounds	2.08	9.09
			Hexane	0.07	0.29
			Xylenes	0.01	0.02
			Ethyl benzene	0.01	0.01
L001	EP-L001	Condensate/Produced Water Truck Loading	Volatile Organic Compounds	0.56	0.04
			Total 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 Truck Loading	1,424,920 gallons/year
TANK001-004	EP-TANK001-004	Condensate Tanks (Total)	1,424,920 gallons/year

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)
None				