

*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 Construct**



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-A079

Issued to:
Jay-Bee Oil & Gas, Inc.
Coffman Well Pad
017-00128



William F. Durham
Director

Issued: November 26, 2014 • Effective: November 26, 2014

Facility Location: Shirley, Doddridge County, West Virginia
Mailing Address: 3570 Shields Hill Road, Cairo, WV 26337
Facility Description: Natural Gas Production
NAICS Code: 211111
SIC Code: 1311
UTM Coordinates: 528.896 km Easting • 4,361.525 km Northing • Zone 17
Longitude Coordinates: -80.687603
Latitude Coordinates: 39.402811
Directions to Facility: From intersection of WV18 and WV23, follow WV23 east for 11.9 miles, pad is on the right.
Registration Type: Construction
Description of Change: New construction of natural gas facility.

Subject to 40CFR60, Subpart OOOO? Yes

Subject to 40CFR60, Subpart JJJJ? Yes, Non-Certified

Subject to 40CFR63, Subpart ZZZZ? Subpart JJJJ Req's Only

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 checked="" 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 checked="" type="checkbox"/>
Section 14	Control Devices not subject to NSPS, Subpart OOOO	<input checked="" type="checkbox"/>
Section 15	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40CFR63, Subpart ZZZZ)	<input checked="" 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
GPU-1	1e	Gas Prod. Unit	--	2014	1.5	mmBtu/hr	7
GPU-2	2e	Gas Prod. Unit	--	2014	1.5	mmBtu/hr	7
TNK1	5e	Production Tank	--	2014	210	Bbl	6 & 14
TNK2	6e	Production Tank	--	2014	210	Bbl	6 & 14
TNK3	7e	Production Tank	--	2014	210	Bbl	6 & 14
TNK4	8e	Production Tank	--	2014	210	Bbl	6 & 14
TNK5	9e	Production Tank	--	2014	210	Bbl	6 & 14
TNK6	10e	Production Tank	--	2014	210	Bbl	6 & 14
VRU-1	4e	Arrow VRC2 Engine	--	2014	84	Hp	10, 13, 15
TLU1	3e	Cond. Loading	N/A	2014	437,000	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	
NSCR	75% NOx, 67% CO	Miratech VXC-1408-04-XC1	2014	430	Scfm	10	
Emission Reduction Systems						Yes or No	G-70A Applicable Sections
Was a vapor recovery system (VRU) used to determine emission limits?						Yes	14
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
047-017-06022		
047-017-06023		

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
GPU1-GPU2	1e-2e	(2) 1.5mmBtu/hr GPU Heaters	Nitrogen Oxides	0.66	2.88
			Carbon Monoxide	0.56	2.42
TNK1-TNK6	5e-10e	(6) 210 BBL Condensate & Water Tanks	Volatile Organic Compounds	0.42	1.86
			Total HAPs	0.01	0.04
TLU1	3e	Condensate Truck Loading	Volatile Organic Compounds	0.37	0.47
VRU-1	4e	Arrow VRC2 Compressor 84 hp	Nitrogen Oxides	0.19	0.83
			Carbon Monoxide	0.38	1.66
			Volatile Organic Compounds	0.27	1.20
			Formaldehyde	0.01	0.07

4.0 Throughput Limitations

Throughput limits are on a 12-month rolling total basis.

Emission ID	Unit	Emission Point ID	Emission Unit Description	Annual Throughput Limit
TLU1		3e	Condensate Truck Loading	437,000 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)
VRU1	2012	Yes	Yes	Yes