



west virginia department of environmental protection

Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304  
Phone 304/926-0475

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
www.dep.wv.gov

November 6, 2015

CERTIFIED MAIL  
91 7199 9991 7035 6692 5793

James McKinney  
300 Capitol, Suite 200  
Charleston, WV 25301

RE: Approved Registration G70-A  
G70-A178  
Enervest Operating LLC Eastern Division  
Tygrett Station  
Facility ID No. 081-00245

Dear Mr. McKinney:

The Director has determined that the submitted Registration Application and proposed construction and operation of an oil and natural gas production facility demonstrates eligibility and compliance with the requirements, provisions, standards and conditions of General Permit G70-A and hereby grants General Permit registration authorizing the proposed activity.

General Permit G70-A can be accessed electronically at [www.dep.wv.gov/daq/permitting/Pages/airgeneralpermit.aspx](http://www.dep.wv.gov/daq/permitting/Pages/airgeneralpermit.aspx). Hard copies are available upon request by contacting Danielle Wentz at (304)926-0499 ext. 1193.

Please be aware of the actions required in Monitoring Requirements, Testing Requirements, Recordkeeping Requirements, and the Reporting Requirements.

Should you have any questions, please contact the undersigned engineer at (304)926-0499 ext. 1224.

Sincerely,

David Keatley  
Permit Writer - NSR Permitting

Enclosures: Registration G70-A178

*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-A178**

Issued to:  
**Enervest Operating LLC Eastern Division  
Tygrett Station  
081-00245**

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

*William F. Durham  
Director*

*Issued: November 6, 2015*

Facility Location: Near Bolt, Raleigh County, West Virginia  
Mailing Address: 300 Capitol Street, Suite 200  
Charleston, WV 25301  
Facility Description: Installation and operation of one (1) 145-bhp compressor engine. Permitting existing four (4) 210-bbl produced water tanks and two (2) 50-bbl produced water tank.  
NAICS Code: 211111  
SIC Code: 1311  
UTM Coordinates: 418.188 km Easting • 4,635.070 km Northing • Zone 17  
Longitude Coordinates: -81.41443  
Latitude Coordinates: 37.78353  
Directions to Facility: From I77 take exit 44. Turn onto WV 3 west and travel until you reach Glen Daniel. Turn onto WV 99 west and travel until you reach CR 14 (Breckenridge Road). Turn onto CR 14 and travel for approximately 1.0 miles and turn left onto the access road and the facility is at the end of the access road on top the hill.  
Registration Type: Construction

Subject to 40CFR60, Subpart OOOO? No.

Subject to 40CFR60, Subpart JJJJ? No.

Subject to 40CFR63, Subpart ZZZZ? Yes, engine S01.

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.*

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*The source is not subject to 45CSR30.*

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### 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 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 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 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 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
S01	E01	Caterpillar G3306 NA Compressor Engine	None	2015	145	bhp	10, 15
S02	E02	Produced Water Tank	None	Existing	50	bbl	6
S03	E03	Produced Water Tank	None	Existing	50	bbl	6
S04	E04	Produced Water Tank	None	Existing	210	bbl	6
S05	E05	Produced Water Tank	None	Existing	210	bbl	6
S06	E06	Produced Water Tank	None	Existing	210	bbl	6
S07	E07	Produced Water Tank	None	Existing	210	bbl	6
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
47-081-01390	47-081-01390	47-081-01390

**3.0 Emission Limitations**

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
S01	E01	Caterpillar G3306 NA Compressor Engine	Nitrogen Oxides	7.71	33.76
			Carbon Monoxide	0.45	1.96
			Volatile Organic Compounds	0.05	0.22
			Formaldehyde	0.08	0.33

**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
S02	E02	Produced Water Tank	2.5 bbl/day
S03	E03	Produced Water Tank	2.5 bbl/day
S04	E04	Produced Water Tank	100 bbl/day
S05	E05	Produced Water Tank	100 bbl/day
S06	E06	Produced Water Tank	80 bbl/day
S07	E07	Produced Water Tank	80 bbl/day

**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)
S01	June 12, 1990	No	Yes	No