



west virginia department of environmental protection

Division of Air Quality
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Charleston, WV 25304
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Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

September 15, 2016

CERTIFIED MAIL
91 7199 9991 7035 6610 3948

Barry Lay, Sr. Vice President
300 Capitol Street, Suite 200
Charleston, WV 25301

Re: Enervest Operating, LLC
Elk River Compressor Station
Permit Application G35-C120
Plant ID No. 015-00014

Dear Mr. Lay:

The Director has determined that the submitted Registration Application and proposed construction and operation of a natural gas compressor station demonstrates eligibility and compliance with the requirements, provisions, standards and conditions of General Permit G35-C and hereby grants General Permit registration authorizing the proposed activity.

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

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 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.

Should you have any questions or comments, please contact me at (304) 926-0499, extension 1212.

Sincerely,

Thornton E. Martin Jr.
Permit Engineer

c: Michael Dearing, Air Emissions Supervisor

*West Virginia Department of Environmental Protection
Division of Air Quality*

*Earl Ray Tomblin
Governor*

*Randy C. Huffman
Cabinet Secretary*

Class II General Permit G35-C Registration to Modify



for the
Prevention and Control of Air Pollution in regard to the
Construction, Modification, Relocation, Administrative Update and
Operation of Oil and Natural Gas Compressor and/or Dehydration Facilities

*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 G35-C.*

G35-C120

Issued to:

**Enervest Operating, LLC
Elk River Compressor Station
015-00014**

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

*William F. Durham
Director*

Issued: September 15, 2016

This Class II General Permit Registration will supercede and replace General Permit Registration G30-D151.

Facility Location: Elk River, Clay County, West Virginia
Mailing Address: 300 Capitol Street, Suite 200, Charleston, WV 25301
Physical Address: Dunden Widen Road, Ivydale, Clay County, WV 25113
Facility Description: Natural Gas Compressor Station
NAICS Code: 211111 – Crude Petroleum and Natural Gas Extraction
SIC Code: 1311 – Oil and Gas Extraction - Crude Petroleum and Natural Gas
Longitude Coordinates: -80. 959924
Latitude Coordinates: 38.524425
Directions to Facility: From Ivydale, head East on WV-16 N / WV-4 N toward Ivydale Bridge. Turn right onto Ivydale Bridge. Turn left onto Dundon-Widen Rd., follow for 3.3 miles, destination will be on the right.
Registration Type: Modification
Description of Change: The facility will continue to operate as a natural gas compression facility with the only changes being the removal of a single Ajax engine and replacing it with two (2) 400 hp natural gas Waukesha engines, addition of a 0.25 mmbtu heater and a gas conditioning membrane.

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 G35-C are subject to Sections 1.0, 2.0, 3.0, and 4.0 of General Permit G35-C.

The following additional sections of General Permit G35-C apply to the registrant:

GENERAL PERMIT G35-C APPLICABLE SECTIONS	
<input checked="" type="checkbox"/> Section 5.0	Storage Vessels Containing Condensate and/or Produced Water ¹
<input type="checkbox"/> Section 6.0	Storage Vessel Affected Facility (NSPS, Subpart OOOO)
<input type="checkbox"/> Section 7.0	Control Devices and Emission Reduction Devices not subject to NSPS Subpart OOOO and/or NESHAP Subpart HH
<input checked="" type="checkbox"/> Section 8.0	Small Heaters and Reboilers not subject to 40CFR60 Subpart Dc
<input type="checkbox"/> Section 9.0	Pneumatic Controllers Affected Facility (NSPS, Subpart OOOO)
<input type="checkbox"/> Section 10.0	Centrifugal Compressor Affected Facility (NSPS, Subpart OOOO) ²
<input checked="" type="checkbox"/> Section 11.0	Reciprocating Compressor Affected Facility (NSPS, Subpart OOOO) ²
<input checked="" type="checkbox"/> Section 12.0	Reciprocating Internal Combustion Engines, Generator Engines, Microturbine Generators
<input type="checkbox"/> Section 13.0	Tanker Truck Loading ³
<input type="checkbox"/> Section 14.0	Glycol Dehydration Units ⁴

- 1 Registrants that are subject to Section 5 may also be subject to Section 6 if the applicant is subject to the NSPS, Subpart OOOO control requirements or the applicable control device requirements of Section 7.*
- 2 Registrants that are subject to Section 10 and 11 are also subject to the applicable RICE requirements of Section 12.*
- 3 Registrants that are subject to Section 13 may also be subject to control device and emission reduction device requirements of Section 7.*
- 4 Registrants that are subject to Section 14 are also subject to the requirements of Section 8 (reboilers). Registrants that are subject to Section 14 may also be subject to control device and emission reduction device requirements of Section 7.*

STORAGE VESSELS										
Emission Unit ID#	Emission Point ID#	Content	Maximum Volume (gal)	Annual Throughput Limit (gal/yr)	Control Device ID#	Manuf. Date ¹	Year Installed/Modified	VRU	Subject to 40CFR60 Subpart OOOO? ¹	G35-C Applicable Sections
T-1	T-1	Used Oil	2,100	NA	Not Applicable	Before 8/23/11	2009	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ²	Section 5.0
T-2	T-2	Pipeline Liquids	2,940	NA	Not Applicable	Before 8/23/11	2009	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ²	Section 5.0
T-3	T-3	Water	2,100	NA	Not Applicable	Before 8/23/11	2009	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ²	Section 5.0
T-4	T-4	New Oil	500	NA	Not Applicable	Before 8/23/11	2009	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ²	Section 5.0
T-5	T-5	New Oil	2,000	NA	Not Applicable	Before 8/23/11	2009	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ²	Section 5.0

- 1 Commenced construction, modification or reconstruction before August 23, 2011.
 2 VOC emissions less than 6 tpy.

FUEL BURNING UNITS					
See Section 8.0					
Emission Unit ID#	Emission Point ID#	Description	MDHI (MMBTU/hr)	Year Installed/Modified	G35-C Applicable Sections
H-1	H-1	Heater	0.250	2016	8.0

PNEUMATIC CONTROLLERS

Are there any applicable pneumatic controllers subject to 40CFR60 Subpart OOOO at this facility?

Yes No

Approximate Number of Applicable Pneumatic Controllers : Zero (0)

See Section 9.0

CENTRIFUGAL COMPRESSORS

Are there any applicable centrifugal compressors subject to 40CFR60 Subpart OOOO at this facility?

Yes No

See Section 10.0

Description

RECIPROCATING COMPRESSORS

Are there any applicable reciprocating compressors subject to 40CFR60 Subpart OOOO at this facility?

Yes No

See Section 11.0

Description

RECIPROCATING INTERNAL COMBUSTION ENGINES

See Section 12.0

Emission Unit ID#	Emission Point ID#	Make/Model/HP	Control Device ID#	Year Installed/Modified	Engine Manufacture Date	Subject to 12.1.4/12.4.1	Engine Type	Applicable Rules	40CFR63 Subpart ZZZZ New or Existing?
CE-1	CE-1	Waukesha / F18GL / 400 hp / SN:C-14266/1	Not Applicable	2016 (Installed)	2002	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> 2SLB <input checked="" type="checkbox"/> 4SLB <input type="checkbox"/> 4SRB	<input type="checkbox"/> 40CFR60 Subpart JJJJ Certified? <input type="checkbox"/> 40CFR60 Subpart IIII Certified? <input type="checkbox"/> 40CFR63 Subpart ZZZZ NESHAP ZZZZ/ NSPS JJJJ Window <input checked="" type="checkbox"/> 40CFR60 Subpart JJJJ Certified? <input type="checkbox"/> 40CFR60 Subpart IIII Certified? <input checked="" type="checkbox"/> 40CFR63 Subpart ZZZZ NESHAP ZZZZ/ NSPS JJJJ Window	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing
CE-2	CE-2	Waukesha / F18GL / 400 hp / SN:C-18350/1	Not Applicable	2016 (Installed)	2008	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> 2SLB <input checked="" type="checkbox"/> 4SLB <input type="checkbox"/> 4SRB	<input checked="" type="checkbox"/> 40CFR60 Subpart JJJJ Certified? <input type="checkbox"/> 40CFR60 Subpart IIII Certified? <input checked="" type="checkbox"/> 40CFR63 Subpart ZZZZ NESHAP ZZZZ/ NSPS JJJJ Window	<input checked="" type="checkbox"/> New <input type="checkbox"/> Existing

New or reconstructed sources in accordance with 63.6590(c) must only meet the requirements of 40CFR60 Subparts IIII or JJJJ.

SPARK IGNITION RECIPROCATING INTERNAL COMBUSTION ENGINES TESTING REQUIREMENTS

See Section 12.0

Emission Unit ID#	Emission Point ID#	Make/Model/HP	Control Device ID#	Year Installed/Modified	Engine Manufacture Date	40CFR60 Subpart JJJJ Testing Requirements
CE-1	CE-1	Waukesha / F18GL / 400 hp / 2002 SN:C-14266/1	Not Applicable	2016	Before 7/1/2010	<input checked="" type="checkbox"/> Initial Performance Test <input checked="" type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first)
CE-2	CE-2	Waukesha / F18GL / 400 hp / 2008 SN:C-18350/1	Not Applicable	2016	After 7/1/2010	<input type="checkbox"/> Initial Performance Test <input checked="" type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first)

TANKER TRUCK LOADOUT

Are there any tanker truck loadout operations at this facility?

Yes No

See Section 13.0

Emission Unit ID#	Emission Point ID#	Description	Annual Throughput Limit (gal/yr)	Year Installed/Modified	Control Device ID#	Closed System Collection?

GLYCOL DEHYDRATION UNITS

Are there any glycol dehydration units at this facility?

Yes No

See Section 14.0

Emission Unit ID#	Emission Point ID#	Description (Make, Model)	Year Installed/Modified	Subject to 40CFR63 Subpart HH?	40CFR63 Subpart HH Exemptions	Max Dry Gas Flow Rate (mmscf/day)	APCD/ERD ID#

Exemption - The actual average emissions of Benzene from the glycol dehydration unit process vent to the atmosphere are less than 0.90 megagram per year (1 ton per year).

The glycol dehydration unit is not located within an Urbanized Area (UA) or Urban Cluster (UC).

AIR POLLUTION CONTROL DEVICES					
Are there any air pollution control devices at this facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No See Sections 6.0, 7.0					
Control Device ID#	Control Efficiency (%)	Control Device Description (Make/Model)	Year Installed/Modified	Max Design Capacity (state units)	Subject to:

EMISSION REDUCTION DEVICES (ERD)				
Are there any ERDs (VRU, Recycled Reboiler, BTEX Eliminator, etc.) at this facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No See Sections 6.0, 7.0				
ERD ID#	ERD Efficiency (%)	ERD Description (Make/Model)	Year Installed/Modified	Max Design Capacity (state units)

EMISSION LIMITATIONS					
Emission Unit ID#	Emission Point ID#	Emission Unit Description	Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tons/year)
CE-1	CE-1	Waukesha / F18GL / 400 hp / SN:C-14266/1	Nitrogen Oxides	1.76	7.725
			Carbon Monoxide	1.146	5.021
			Volatile Organic Compounds	0.33	1.45
			PM ₁₀	0.00	0.00
			Formaldehyde	0.148	0.648
CE-2	CE-2	Waukesha / F18GL / 400 hp / SN:C-18350/1	Nitrogen Oxides	1.76	7.725
			Carbon Monoxide	1.146	5.021
			Volatile Organic Compounds	0.33	1.45
			PM ₁₀	0.00	0.00
			Formaldehyde	0.148	0.648
H-1	H-1	Heater	Nitrogen Oxides	0.024	0.11
			Carbon Monoxide	0.02	0.09
			Volatile Organic Compounds	0.001	0.006
			PM ₁₀	0.002	0.008
F-01	F-01	Fugitives	Volatile Organic Compounds	0.06	0.27