

*West Virginia Department of Environmental Protection*

*Harold D. Ward,  
Cabinet Secretary*

**Class II General Permit  
G35-E Registration to (Construct,  
Modify, etc.)**



for the  
Prevention and Control of Air Pollution regarding 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-E.*

**G35-E (Registration Number)**

**Issued to:**

**[Company Name]**

**[Facility Name]**

**[Company ID #]**

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*Laura M. Crowder  
Director, Division of Air Quality*

*Issued: [Date of Issuance]*

This Class II General Permit Registration will supersede and replace (Permit registration number, include any applicable permits, consent orders, etc. These may include R13 permits or versions of the G30 or G35 General Permits)

Facility Location: (City), (County Name) County, West Virginia  
Mailing Address: (Facility Mailing Address)  
Physical Address: (Facility Physical Address, if none available, list road, city or town and zip of facility)  
Facility Description: (Facility description (Production, Compressor, Dehydration))  
NAICS Code: (NAICS code)  
SIC Code: (SIC code)  
Longitude Coordinates: (NAD83, Decimal degrees to 5 digits)  
Latitude Coordinates: (NAD83, Decimal degrees to 5 digits)  
Directions to Facility: (Directions to the facility from nearest state road)  
Registration Type: (Administrative update, construction, modification)  
Description of Change: (Description of change)

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

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

GENERAL PERMIT G35-E APPLICABLE SECTIONS	
<input type="checkbox"/> Section 5.0	Storage Vessels Containing Condensate and/or Produced Water <sup>1</sup>
<input type="checkbox"/> Section 6.0	Storage Vessel Affected Facility (NSPS, Subpart OOOO/OOOOa/OOOOb)
<input type="checkbox"/> Section 7.0	Control Devices and Emission Reduction Devices not subject to NSPS Subpart OOOO/OOOOa/OOOOb and/or NESHAP Subpart HH
<input 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/OOOOa/OOOOb)
<input type="checkbox"/> Section 10.0	Centrifugal Compressor Affected Facility (NSPS, Subpart OOOO/OOOOa/OOOOb) <sup>2</sup>
<input type="checkbox"/> Section 11.0	Reciprocating Compressor Affected Facility (NSPS, Subpart OOOO/OOOOa/OOOOb) <sup>2</sup>
<input type="checkbox"/> Section 12.0	Reciprocating Internal Combustion Engines, Generator Engines. Microturbine Generators
<input type="checkbox"/> Section 13.0	Tanker Truck Loading <sup>3</sup>
<input type="checkbox"/> Section 14.0	Glycol Dehydration Units <sup>4</sup>
<input type="checkbox"/> Section 15.0	Blowdown and Pigging Operations
<input type="checkbox"/> Section 16.0	Fugitive Emission Components (NSPS, Subpart OOOOa/OOOOb)
<input type="checkbox"/> Section 17.0	Pneumatic Pumps Affected Facility (NSPS, Subpart OOOOb)

*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/OOOOa 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	Year Installed/Modified	VRU	Subject to 40CFR60 Subpart 0000/0000a /0000b? <sup>1</sup>	G35-E Applicable Sections
		Condensate							<input type="checkbox"/> 0000 <input type="checkbox"/> 0000a <input type="checkbox"/> 0000b <input type="checkbox"/> No	
		Produced Water							<input type="checkbox"/> 0000 <input type="checkbox"/> 0000a <input type="checkbox"/> 0000b <input type="checkbox"/> No	
		TEG							<input type="checkbox"/> 0000 <input type="checkbox"/> 0000a <input type="checkbox"/> 0000b <input type="checkbox"/> No	
		Lube Oil							<input type="checkbox"/> 0000 <input type="checkbox"/> 0000a <input type="checkbox"/> 0000b <input type="checkbox"/> No	
									<input type="checkbox"/> 0000 <input type="checkbox"/> 0000a <input type="checkbox"/> 0000b <input type="checkbox"/> No	
									<input type="checkbox"/> 0000 <input type="checkbox"/> 0000a <input type="checkbox"/> 0000b <input type="checkbox"/> No	
									<input type="checkbox"/> 0000 <input type="checkbox"/> 0000a <input type="checkbox"/> 0000b <input type="checkbox"/> No	

<sup>1</sup> Commenced construction, modification or reconstruction after August 23, 2011 and on or before September 18, 2015 for 40CFR60 Subpart 0000.  
 Commenced construction, modification or reconstruction after September 18, 2015 and on or before December 6, 2022 for 40CFR60 Subpart 0000a.  
 Commenced construction, modification or reconstruction after December 6, 2022 for 40CFR60 Subpart 0000b.

*Notes to permit engineer: (1) customize for specific registration and add/delete lines as necessary; (2) remove red font notes prior to issuance.*

<b>FUEL BURNING UNITS</b>					
See Section 8.0					
Emission Unit ID#	Emission Point ID#	Description	MDHI (MMBTU/hr)	Year Installed/Modified	G35-E Applicable Sections
		Heater Treater			
		Gas Processing Units			
		In line Heaters			
		Reboilers			

*Notes to permit engineer: (1) customize for specific registration and add/delete lines as necessary; (2) remove red font notes prior to issuance.*

<b>PNEUMATIC (PROCESS) CONTROLLERS</b>
<p>Are there any applicable pneumatic (process) controllers subject to 40CFR60 Subpart OOOO/OOOOa/OOOOb at this facility?</p> <p> <input type="checkbox"/> 40CFR60 Subpart OOOO  <input type="checkbox"/> 40CFR60 Subpart OOOOa  <input type="checkbox"/> 40CFR60 Subpart OOOOb  <input type="checkbox"/> No                 </p> <p>                     Approximate Number of 40CFR60 Subpart OOOO applicable Pneumatic Controllers                      Approximate Number of 40CFR60 Subpart OOOOa applicable Pneumatic Controllers                      Approximate Number of 40CFR60 Subpart OOOOb applicable Pneumatic Controllers                 </p> <p style="text-align: center;">See Section 9.0</p>

*Notes to permit engineer: (1) customize for specific registration and add/delete lines as necessary; (2) remove red font notes prior to issuance.*

**CENTRIFUGAL COMPRESSORS**

Are there any applicable centrifugal compressors subject to 40CFR60 Subpart 0000/0000a/0000b at this facility?

Yes  No

See Section 10.0

Description	Requirement
	<input type="checkbox"/> 40CFR60 Subpart 0000 <input type="checkbox"/> 40CFR60 Subpart 0000a <input type="checkbox"/> 40CFR60 Subpart 0000b
	<input type="checkbox"/> 40CFR60 Subpart 0000 <input type="checkbox"/> 40CFR60 Subpart 0000a <input type="checkbox"/> 40CFR60 Subpart 0000b
	<input type="checkbox"/> 40CFR60 Subpart 0000 <input type="checkbox"/> 40CFR60 Subpart 0000a <input type="checkbox"/> 40CFR60 Subpart 0000b
	<input type="checkbox"/> 40CFR60 Subpart 0000 <input type="checkbox"/> 40CFR60 Subpart 0000a <input type="checkbox"/> 40CFR60 Subpart 0000b

*Notes to permit engineer: (1) customize for specific registration and add/delete lines as necessary; (2) remove red font notes prior to issuance.*

**RECIPROCATING COMPRESSORS**

Are there any applicable centrifugal compressors subject to 40CFR60 Subpart 0000/0000a/0000b at this facility?

Yes  No

See Section 11.0

Description	Requirement
	<input type="checkbox"/> 40CFR60 Subpart 0000 <input type="checkbox"/> 40CFR60 Subpart 0000a <input type="checkbox"/> 40CFR60 Subpart 0000b
	<input type="checkbox"/> 40CFR60 Subpart 0000 <input type="checkbox"/> 40CFR60 Subpart 0000a <input type="checkbox"/> 40CFR60 Subpart 0000b

	<input type="checkbox"/> 40CFR60 Subpart OOOO <input type="checkbox"/> 40CFR60 Subpart OOOOa <input type="checkbox"/> 40CFR60 Subpart OOOOb
	<input type="checkbox"/> 40CFR60 Subpart OOOO <input type="checkbox"/> 40CFR60 Subpart OOOOa <input type="checkbox"/> 40CFR60 Subpart OOOOb

*Notes to permit engineer: (1) customize for specific registration and add/delete lines as necessary; (2) remove red font notes prior to issuance.*

**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 13.1.4/13.2.1	Engine Type	Applicable Rules	40CFR63 Subpart ZZZZ New or Existing?
						<input type="checkbox"/> Yes  <input type="checkbox"/> No	<input type="checkbox"/> 2SLB  <input type="checkbox"/> 4SLB  <input type="checkbox"/> 4SRB	<input type="checkbox"/> 40CFR60 Subpart JJJJ <input type="checkbox"/> Certified? <input type="checkbox"/> 40CFR60 Subpart IIII <input type="checkbox"/> Certified? <input type="checkbox"/> 40CFR63 Subpart ZZZZ <input type="checkbox"/> NESHAP ZZZZ/ NSPS JJJJ Window	<input type="checkbox"/> New  <input type="checkbox"/> Existing
						<input type="checkbox"/> Yes  <input type="checkbox"/> No	<input type="checkbox"/> 2SLB  <input type="checkbox"/> 4SLB  <input type="checkbox"/> 4SRB	<input type="checkbox"/> 40CFR60 Subpart JJJJ <input type="checkbox"/> Certified? <input type="checkbox"/> 40CFR60 Subpart IIII <input type="checkbox"/> Certified? <input type="checkbox"/> 40CFR63 Subpart ZZZZ <input type="checkbox"/> NESHAP ZZZZ/ NSPS JJJJ Window	<input type="checkbox"/> New  <input type="checkbox"/> Existing
						<input type="checkbox"/> Yes  <input type="checkbox"/> No	<input type="checkbox"/> 2SLB  <input type="checkbox"/> 4SLB  <input type="checkbox"/> 4SRB	<input type="checkbox"/> 40CFR60 Subpart JJJJ <input type="checkbox"/> Certified? <input type="checkbox"/> 40CFR60 Subpart IIII <input type="checkbox"/> Certified? <input type="checkbox"/> 40CFR63 Subpart ZZZZ <input type="checkbox"/> NESHAP ZZZZ/ NSPS JJJJ Window	<input type="checkbox"/> New  <input type="checkbox"/> Existing
						<input type="checkbox"/> Yes  <input type="checkbox"/> No	<input type="checkbox"/> 2SLB  <input type="checkbox"/> 4SLB  <input type="checkbox"/> 4SRB	<input type="checkbox"/> 40CFR60 Subpart JJJJ <input type="checkbox"/> Certified? <input type="checkbox"/> 40CFR60 Subpart IIII <input type="checkbox"/> Certified? <input type="checkbox"/> 40CFR63 Subpart ZZZZ <input type="checkbox"/> NESHAP ZZZZ/ NSPS JJJJ Window	<input type="checkbox"/> New  <input type="checkbox"/> Existing

*New or reconstructed sources in accordance with 63.76590(c) must only meet the requirements of 40CFR60 Subparts IIII or JJJJ.*

*Notes to permit engineer: (1) customize for specific registration and add/delete lines as necessary; (2) remove red font notes prior to issuance.*



**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
						<input type="checkbox"/> Initial Performance Test <input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first)
						<input type="checkbox"/> Initial Performance Test <input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first)
						<input type="checkbox"/> Initial Performance Test <input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first)
						<input type="checkbox"/> Initial Performance Test <input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first)
						<input type="checkbox"/> Initial Performance Test <input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first)
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						<input type="checkbox"/> Initial Performance Test <input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first)
						<input type="checkbox"/> Initial Performance Test <input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first)

*Notes to permit engineer: (1) customize for specific registration and add/delete lines as necessary; (2) remove red font notes prior to issuance.*

<b>TANKER TRUCK LOADOUT</b>						
<p>Are there any tanker truck loadout operations at this facility?</p> <p style="margin-left: 100px;"><input type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p style="margin-left: 100px;">See Section 13.0</p>						
Emission Unit ID#	Emission Point ID#	Description	Annual Throughput Limit (gal/yr)	Year Installed/Modified	Control Device ID#	Closed System Collection?
						<input type="checkbox"/> Tanker trucks passing the MACT level annual leak test <input type="checkbox"/> Tanker trucks passing the NSPS level annual leak test <input type="checkbox"/> Tanker trucks not passing one of the above annual leak tests but has vapor return

*Notes to permit engineer: (1) customize for specific registration and add/delete lines as necessary; (2) remove red font notes prior to issuance.*

**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? <sup>1</sup>	40CFR63 Subpart HH Exemptions	Max Dry Gas Flow Rate (mmscf/day)	APCD/ERD ID#
				<input type="checkbox"/> Yes <input type="checkbox"/> Pump Optimization <input type="checkbox"/> No	<input type="checkbox"/> Benzene Exemption <input type="checkbox"/> Flowrate Exemption		
				<input type="checkbox"/> Yes <input type="checkbox"/> Pump Optimization <input type="checkbox"/> No	<input type="checkbox"/> Benzene Exemption <input type="checkbox"/> Flowrate Exemption		
				<input type="checkbox"/> Yes <input type="checkbox"/> Pump Optimization <input type="checkbox"/> No	<input type="checkbox"/> Benzene Exemption <input type="checkbox"/> Flowrate Exemption		
				<input type="checkbox"/> Yes <input type="checkbox"/> Pump Optimization <input type="checkbox"/> No	<input type="checkbox"/> Benzene Exemption <input type="checkbox"/> Flowrate Exemption		

<sup>1</sup> If Yes, specify if registrant meets benzene or flowrate exemption.

*Notes to permit engineer: (1) customize for specific registration and add/delete lines as necessary; (2) remove red font notes prior to issuance.*

*Please list any exemptions (< 1tpy of benzene, 3 mmscf/day throughput) and whether or not dehy is located in UA/UC for each unit.*



**BLOWDOWN AND PIGGING OPERATIONS**

See Section 15.0

Type of Event	# of Events (event/yr)	Amount Vented per event (scf/event)	MW of vented gas (lb/lb-mol)	Total Emissions (ton/yr)	VOC weight fraction	VOC emissions (ton/yr)
Compressor Blowdown						
Compressor Startup						
Plant Shutdown						
Low Pressure Pig Venting						
High Pressure Pig Venting						

Type of Event	# of Events (event/yr)	Amount Vented per event (scf/event)	MW of vented gas (lb/lb-mol)	Total Emissions (ton/yr)	HAP weight fraction	HAP emissions (ton/yr)
Compressor Blowdown						
Compressor Startup						
Plant Shutdown						
Low Pressure Pig Venting						
High Pressure Pig Venting						

**FUGITIVE EMISSION COMPONENTS**

Is the facility subject to quarterly LDAR monitoring under 40CFR60 Subpart OOOOa/OOOOb?

Yes  No

OOOOa  OOOOb

See Section 16.0

<b>PNEUMATIC PUMPS</b>
<p><b>Are there any applicable pneumatic pumps subject to 40CFR60 Subpart OOOOb at this facility?</b></p> <p><input type="checkbox"/> Yes  <input type="checkbox"/> No</p> <p>Approximate Number of 40CFR60 Subpart OOOOb applicable Pneumatic Controllers</p> <p style="text-align: center;">See Section 17.0</p>

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

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**EMISSION REDUCTION DEVICES (ERD)**

Are there any ERDs (VRU, Recycled Reboiler, BTEX Eliminator, etc.) at this facility?

Yes     No

See Sections 6.0, 7.0

ERD ID#	ERD Efficiency (%)	ERD Description (Make/Model)	Year Installed/Modified	Max Design Capacity (state units)

*Notes to permit engineer: (1) customize for specific registration and add/delete lines as necessary; (2) remove red font notes prior to issuance.*

**EMISSION LIMITATIONS**

Emission Unit ID#	Emission Point ID#	Emission Unit Description	Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tons/year)
		<i>Engine Data</i>	Nitrogen Oxides		
			Carbon Monoxide		
			Volatile Organic Compounds		
			Formaldehyde		
		<i>Glycol Dehy Still Vent/ Control Device Data</i>	Volatile Organic Compounds		
			Benzene		
			Toluene		
			Ethylbenzene		
			Xylenes		
		<i>Storage Vessels / Control Device Data</i>	Volatile Organic Compounds		
			Total HAPs		
		<i>Tanker Truck Loading / Control Device Data</i>	Volatile Organic Compounds		
			Total HAPs		
		<i>Control Device Emission Data (Flares, pilots, etc.)</i>			

*Note to permit engineer: (1) customize for specific registration and add/delete lines as necessary; (2) emission limits are required for condensate storage tank(s); (3) remove red font notes prior to issuance.*