

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

*Earl Ray Tomblin  
Governor*

*Randy C. Huffman  
Cabinet Secretary*

**Class II General Permit  
G80-A Registration to (Construct,  
Modify, etc.)**



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, 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 G80-A.*

**G80-A (Registration Number)**

**Issued to:**  
**[Company Name]**  
**[Facility Name]**  
**[Company ID #]**

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*William F. Durham  
Director*

*Issued: [Date of Issuance]*

This Class II General Permit Registration will supercede and replace (Permit registration number, include any applicable permits, consent orders, etc. These may include R13 permits or versions of the G30, G35, or G70 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.*

\_\_\_\_\_  
*The source is not subject to 45CSR30.*  
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## Permit Section Applicability for the Registrant

All registered facilities under General Permit G80-A are subject to Sections 1.0, 2.0, 3.0, and 4.0 of General Permit G80-A.

The following additional sections of General Permit G80-A apply to the registrant:

| GENERAL PERMIT G80-A APPLICABLE SECTIONS |   |
|--|---|
| <input type="checkbox"/> Section 5.0     | Gas Well Affected Facility (NSPS, Subpart OOOO)   |
| <input type="checkbox"/> Section 6.0     | Storage Vessels <sup>1</sup>  |
| <input type="checkbox"/> Section 7.0     | Storage Vessel Affected Facility (NSPS, Subpart OOOO)   |
| <input type="checkbox"/> Section 8.0     | Control Devices and Emission Reduction Devices not subject to NSPS, Subpart OOOO                |
| <input type="checkbox"/> Section 9.0     | Gas Production Units (GPUs), In-Line Heaters, Heater Treaters, and Glycol Dehydration Reboilers |
| <input type="checkbox"/> Section 10.0    | Pneumatic Controllers Affected Facility (NSPS, Subpart OOOO)                                    |
| <input type="checkbox"/> Section 11.0    | Centrifugal Compressor Affected Facility (NSPS, Subpart OOOO) <sup>2</sup>                      |
| <input type="checkbox"/> Section 12.0    | Reciprocating Compressor Affected Facility (NSPS, Subpart OOOO) <sup>2</sup>                    |
| <input type="checkbox"/> Section 13.0    | Reciprocating Internal Combustion Engines, Generator Engines                                    |
| <input type="checkbox"/> Section 14.0    | Tanker Truck Loading <sup>3</sup>   |
| <input type="checkbox"/> Section 15.0    | Glycol Dehydration Units <sup>4</sup>   |

- 1 Registrants that are subject to Section 6 may also be subject to Section 7 if the applicant is subject to the NSPS, Subpart OOOO control requirements or the applicable control device requirements of Section 8.*
- 2 Registrants that are subject to Section 11 and 12 are also subject to the applicable RICE requirements of Section 13.*
- 3 Registrants that are subject to Section 14 may also be subject to control device and emission reduction device requirements of Section 8.*
- 4 Registrants that are subject to Section 15 are also subject to the requirements of Section 9 (reboilers). Registrants that are subject to Section 15 may also be subject to control device and emission reduction device requirements of Section 8.*

| GAS WELLS       |           |   |                         |
|-----------------|-----------|---|-------------------------|
| See Section 5.0 |           |   |                         |
| API Number      | Farm Name | Green Completion and/or Combustion Device | Date of Well Completion |
|                 |           |   |                         |
|                 |           |   |                         |
|                 |           |   |                         |
|                 |           |   |                         |
|                 |           |   |                         |
|                 |           |   |                         |

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

| 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 OOOO? <sup>1</sup>               | G80-A Applicable Sections |
|                   |                    | Condensate     |                      |                                  |                    |             |                         |     | <input type="checkbox"/> Yes<br><input type="checkbox"/> No |                           |
|                   |                    | Produced Water |                      |                                  |                    |             |                         |     | <input type="checkbox"/> Yes<br><input type="checkbox"/> No |                           |
|                   |                    | TEG            |                      |                                  |                    |             |                         |     | <input type="checkbox"/> Yes<br><input type="checkbox"/> No |                           |
|                   |                    | Lube Oil       |                      |                                  |                    |             |                         |     | <input type="checkbox"/> Yes<br><input type="checkbox"/> No |                           |
|                   |                    |                |                      |                                  |                    |             |                         |     | <input type="checkbox"/> Yes<br><input type="checkbox"/> No |                           |
|                   |                    |                |                      |                                  |                    |             |                         |     | <input type="checkbox"/> Yes<br><input type="checkbox"/> No |                           |
|                   |                    |                |                      |                                  |                    |             |                         |     | <input type="checkbox"/> Yes<br><input type="checkbox"/> No |                           |

<sup>1</sup> Commenced construction, modification or reconstruction after August 23, 2011.

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| <b>FUEL BURNING UNITS</b> |                    |                      |                 |                         |                           |
|---------------------------|--------------------|----------------------|-----------------|-------------------------|---------------------------|
| See Section 9.0           |                    |                      |                 |                         |                           |
| Emission Unit ID#         | Emission Point ID# | Description          | MDHI (MMBTU/hr) | Year Installed/Modified | G80-A Applicable Sections |
|                           |                    | Heater Treater       |                 |                         |                           |
|                           |                    | Gas Processing Units |                 |                         |                           |
|                           |                    | In line Heaters      |                 |                         |                           |
|                           |                    | Reboilers            |                 |                         |                           |
|                           |                    |                      |                 |                         |                           |
|                           |                    |                      |                 |                         |                           |
|                           |                    |                      |                 |                         |                           |

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| <b>PNEUMATIC CONTROLLERS</b>   |
|--|
| <p>Are there any applicable pneumatic controllers subject to 40CFR60 Subpart OOOO at this facility?</p> <p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Approximate Number of Applicable Pneumatic Controllers</p> <p>See Section 10.0</p> |

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| <b>CENTRIFUGAL COMPRESSORS</b>   |
|--|
| <b>Are there any applicable centrifugal compressors subject to 40CFR60 Subpart OOOO at this facility not located at the well site/pad?</b> |
| <input type="checkbox"/> Yes <input type="checkbox"/> No   |
| <b>See Section 11.0</b>  |
| <b>Description</b>   |
|  |
|  |
|  |
|  |

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| <b>RECIPROCATING COMPRESSORS</b>   |
|--|
| <b>Are there any applicable reciprocating compressors subject to 40CFR60 Subpart OOOO at this facility not located at the well site/pad?</b> |
| <input type="checkbox"/> Yes <input type="checkbox"/> No   |
| <b>See Section 12.0</b>  |
| <b>Description</b>   |
|  |
|  |
|  |
|  |

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**RECIPROCATING INTERNAL COMBUSTION ENGINES**

See Section 13.0

| 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<br><input type="checkbox"/> No | <input type="checkbox"/> 2SLB<br><input type="checkbox"/> 4SLB<br><input type="checkbox"/> 4SRB            | <input type="checkbox"/> 40CFR60 Subpart JJJJ<br><input type="checkbox"/> Certified?<br><input type="checkbox"/> 40CFR60 Subpart IIII<br><input type="checkbox"/> Certified?<br><input type="checkbox"/> 40CFR63 Subpart ZZZZ<br><input type="checkbox"/> NESHAP ZZZZ/ NSPS JJJJ Window            | <input type="checkbox"/> New<br><input type="checkbox"/> Existing |
|                   |                    |               |                    |                         |                         | <input type="checkbox"/> Yes<br><input type="checkbox"/> No | <input type="checkbox"/> 2SLB<br><input type="checkbox"/> 4SLB<br><input checked="" type="checkbox"/> 4SRB | <input checked="" type="checkbox"/> 40CFR60 Subpart JJJJ<br><input type="checkbox"/> Certified?<br><input type="checkbox"/> 40CFR60 Subpart IIII<br><input type="checkbox"/> Certified?<br><input type="checkbox"/> 40CFR63 Subpart ZZZZ<br><input type="checkbox"/> NESHAP ZZZZ/ NSPS JJJJ Window | <input type="checkbox"/> New<br><input type="checkbox"/> Existing |
|                   |                    |               |                    |                         |                         | <input type="checkbox"/> Yes<br><input type="checkbox"/> No | <input type="checkbox"/> 2SLB<br><input type="checkbox"/> 4SLB<br><input type="checkbox"/> 4SRB            | <input type="checkbox"/> 40CFR60 Subpart JJJJ<br><input type="checkbox"/> Certified?<br><input type="checkbox"/> 40CFR60 Subpart IIII<br><input type="checkbox"/> Certified?<br><input type="checkbox"/> 40CFR63 Subpart ZZZZ<br><input type="checkbox"/> NESHAP ZZZZ/ NSPS JJJJ Window            | <input type="checkbox"/> New<br><input type="checkbox"/> Existing |
|                   |                    |               |                    |                         |                         | <input type="checkbox"/> Yes<br><input type="checkbox"/> No | <input type="checkbox"/> 2SLB<br><input type="checkbox"/> 4SLB<br><input type="checkbox"/> 4SRB            | <input type="checkbox"/> 40CFR60 Subpart JJJJ<br><input type="checkbox"/> Certified?<br><input type="checkbox"/> 40CFR60 Subpart IIII<br><input type="checkbox"/> Certified?<br><input type="checkbox"/> 40CFR63 Subpart ZZZZ<br><input type="checkbox"/> NESHAP ZZZZ/ NSPS JJJJ Window            | <input type="checkbox"/> New<br><input type="checkbox"/> Existing |
|                   |                    |               |                    |                         |                         | <input type="checkbox"/> Yes<br><input type="checkbox"/> No | <input type="checkbox"/> 2SLB<br><input type="checkbox"/> 4SLB<br><input type="checkbox"/> 4SRB            | <input type="checkbox"/> 40CFR60 Subpart JJJJ<br><input type="checkbox"/> Certified?<br><input type="checkbox"/> 40CFR60 Subpart IIII<br><input type="checkbox"/> Certified?<br><input type="checkbox"/> 40CFR63 Subpart ZZZZ<br><input type="checkbox"/> NESHAP ZZZZ/ NSPS JJJJ Window            | <input type="checkbox"/> New<br><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.*

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| SPARK IGNITION RECIPROCATING INTERNAL COMBUSTION ENGINES TESTING REQUIREMENTS |                    |               |                    |                         |                         |   |
|---|--------------------|---------------|--------------------|-------------------------|-------------------------|---|
| See Section 13.0  |                    |               |                    |                         |                         |   |
| 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<br><input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first) |
|   |                    |               |                    |                         |                         | <input type="checkbox"/> Initial Performance Test<br><input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first) |
|   |                    |               |                    |                         |                         | <input type="checkbox"/> Initial Performance Test<br><input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first) |
|   |                    |               |                    |                         |                         | <input type="checkbox"/> Initial Performance Test<br><input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first) |
|   |                    |               |                    |                         |                         | <input type="checkbox"/> Initial Performance Test<br><input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first) |
|   |                    |               |                    |                         |                         | <input type="checkbox"/> Initial Performance Test<br><input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first) |
|   |                    |               |                    |                         |                         | <input type="checkbox"/> Initial Performance Test<br><input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first) |
|   |                    |               |                    |                         |                         | <input type="checkbox"/> Initial Performance Test<br><input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first) |
|   |                    |               |                    |                         |                         | <input type="checkbox"/> Initial Performance Test<br><input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first) |
|   |                    |               |                    |                         |                         | <input type="checkbox"/> Initial Performance Test<br><input type="checkbox"/> Every 8,760 hours of operation or 3 years (whichever comes first) |

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| TANKER TRUCK LOADOUT  |                    |             |                                  |                         |                    |  |
|---|--------------------|-------------|----------------------------------|-------------------------|--------------------|--|
| <p>Are there any tanker truck loadout operations at this facility?</p> <p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>See Section 14.0</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<br><input type="checkbox"/> Tanker trucks passing the NSPS level annual leak test<br><input type="checkbox"/> Tanker trucks not passing one of the above annual leak tests but has vapor return |

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| GLYCOL DEHYDRATION UNITS   |                    |                           |                         |   |   |                                   |              |
|--|--------------------|---------------------------|-------------------------|---|---|-----------------------------------|--------------|
| Are there any glycol dehydration units at this facility?<br><input type="checkbox"/> Yes <input type="checkbox"/> No<br>See Section 15.0 |                    |                           |                         |   |   |                                   |              |
| 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<br><input type="checkbox"/> Pump Optimization<br><input type="checkbox"/> No | <input type="checkbox"/> Benzene Exemption<br><input type="checkbox"/> Flowrate Exemption |                                   |              |
|  |                    |                           |                         | <input type="checkbox"/> Yes<br><input type="checkbox"/> Pump Optimization<br><input type="checkbox"/> No | <input type="checkbox"/> Benzene Exemption<br><input type="checkbox"/> Flowrate Exemption |                                   |              |
|  |                    |                           |                         | <input type="checkbox"/> Yes<br><input type="checkbox"/> Pump Optimization<br><input type="checkbox"/> No | <input type="checkbox"/> Benzene Exemption<br><input type="checkbox"/> Flowrate Exemption |                                   |              |
|  |                    |                           |                         | <input type="checkbox"/> Yes<br><input type="checkbox"/> Pump Optimization<br><input type="checkbox"/> No | <input type="checkbox"/> Benzene Exemption<br><input type="checkbox"/> Flowrate Exemption |                                   |              |

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

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

**AIR POLLUTION CONTROL DEVICES**

Are there any air pollution control devices at this facility?

Yes  No

See Sections 7.0, 8.0

| Control Device ID# | Control Efficiency (%) | Control Device Description (Make/Model) | Year Installed/Modified | Max Design Capacity (state units) | Subject to:  |
|--------------------|------------------------|---|-------------------------|-----------------------------------|--|
|                    |                        |   |                         |                                   | <input type="checkbox"/> Section 7.0<br><input type="checkbox"/> Section 8.0 |
|                    |                        |   |                         |                                   | <input type="checkbox"/> Section 7.0<br><input type="checkbox"/> Section 8.0 |
|                    |                        |   |                         |                                   | <input type="checkbox"/> Section 7.0<br><input type="checkbox"/> Section 8.0 |
|                    |                        |   |                         |                                   | <input type="checkbox"/> Section 7.0<br><input type="checkbox"/> Section 8.0 |
|                    |                        |   |                         |                                   | <input type="checkbox"/> Section 7.0<br><input type="checkbox"/> Section 8.0 |
|                    |                        |   |                         |                                   | <input type="checkbox"/> Section 7.0<br><input type="checkbox"/> Section 8.0 |
|                    |                        |   |                         |                                   | <input type="checkbox"/> Section 7.0<br><input type="checkbox"/> Section 8.0 |

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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 7.0, 8.0

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

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

*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.*