

*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-A**

**Issued to:**

**Northeast Natural Energy LLC**

**Yost Wellpad**

**061-00218**

A blue ink signature of William F. Durham, written in a cursive style, positioned above a horizontal line.

*William F. Durham*

*Director*

*Issued: July 9, 2015*

Facility Location: Near Fairview, Monogalia County, West Virginia  
Mailing Address: 48 Donley Street Suite 60  
Morgantown, WV 26501  
Facility Description: Natural Gas Production Facility  
NAICS Code: 211111  
SIC Code: 1311  
UTM Coordinates: 567.377 km Easting • 4,386.946 km Northing • Zone 17  
Longitude Coordinate: -80.21489  
Latitude Coordinate: 39.62963  
Directions to Facility: Travel on I 79 north take exit 236. Turn left onto WV 273 and travel until you reach US 19. Turn right onto US 19 north. Turn right onto US 250 north for approximately 7.2 miles. Turn right onto SR 218 north. Travel for approximately 9.5 miles the site will be on the right on the hill.  
Registration Type: Construction  
Description of Change: Installation and operation of: three (3) 1.0 mmBtu/hr gas produce unit (GPU), one (1) 1,380-bhp compressor engine, two (2) 400-bbl produced liquid tanks, and one (1) 210-bbl produced water tank.

Subject to 40CFR60, Subpart OOOO? Yes.

Subject to 40CFR60, Subpart JJJJ? Yes, not certified.

Subject to 40CFR63, Subpart ZZZZ? Yes, compliance is demonstrated with 40CFR 60 Subpart JJJJ.

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 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 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
T01	5E	Produced Liquid Tank	None	2015	210	bbl	6.0
T02	6E	Produced Liquid Tank	None	2015	400	bbl	6.0
T03	7E	Produce Liquid Tank	None	2015	400	bbl	6.0
HTR-1	1E	Gas Production Unit	None	2015	1.0	mmBtu/hr	7.0
HTR-2	2E	Gas Production Unit	None	2015	1.0	mmBtu/hr	7.0
HTR-3	3E	Gas Production Unit	None	2015	1.0	mmBtu/hr	7.0
CE-1	4E	Compress Engine Caterpillar G3516B 4SLB	1C (catalyst)	2015	1,380	hp	10.0 and 13.0
TL-1	8E	Produced Liquid Loading	None	2015	175,200	Gallons/year	11.0 and 14.0
<b>Control Devices</b>							
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
1C	CO, 93% VOC, 50% CH20, 90%	DCL Catalyst		2015	NA	NA	10.0 and 13.0
<b>Emission Reduction Systems</b>						Yes or No	G-70A Applicable Sections
Was a vapor recovery system (VRU) used to determine emission limits?							
Was a low pressure tower(s) used to determine emission limits?							

**2.0 Oil and Natural Gas Wells Table**

API number	API number	API number
047-061-01670	047-061-01671	047-061-01673

**3.0 Emission Limitations**

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
CE-1	4E	Compressor Engine Caterpillar G3516B	Nitrogen Oxides	1.52	6.66
			Carbon Monoxide	0.52	2.27
			Volatile Organic Compounds	0.73	3.20
			Formaldehyde	0.14	0.57
HTR-1	1E	Gas Production Unit	Nitrogen Oxides	0.10	0.44
			Carbon Monoxide	0.08	0.37
HTR-2	2E	Gas Production Unit	Nitrogen Oxides	0.10	0.44
			Carbon Monoxide	0.08	0.37
HTR-3	3E	Gas Production Unit	Nitrogen Oxides	0.10	0.44
			Carbon Monoxide	0.08	0.37
T0 - T03	5E - 7E	Produced Liquid Tanks	Volatile Organic Compounds	0.03	0.13

**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
TL-1	8E	Produced Liquid Truck Loading	175,200 gallons/year

**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)
CE-1	June 27, 2013	Yes	Yes	Yes