



west virginia department of environmental protection

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

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

August 13, 2015

CERTIFIED MAIL
91 7199 9991 7034 1379 8068

Brett Loflin
48 Donley Street, Suite 601
Morgantown, WV 26501

RE: Approved Registration G70-A157
Northeast Natural Energy, LLC
Beach Wellpad
Facility ID No. 061-00217

Dear Mr. Loflin:

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. 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. 1211 or W.Tracy.Rothwell@wv.gov.

Sincerely,

William T. Rothwell II, P.E.
Engineer - NSR Permitting

Enclosures: Registration G70-A157

*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-A157

Issued to:

**Northeast Natural Energy, LLC
Beach Wellpad
061-00217**

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

*William F. Durham
Director*

Issued: August 13, 2015

Facility Location: Pentress, Monongalia County, West Virginia
Mailing Address: 48 Donley Street, Suite 601, Morgantown, WV 26501
Facility Description: Natural Gas Production
NAICS Code: 211111
SIC Code: 1311
UTM Coordinates: 573.913 km Easting • 4,395.134 km Northing • Zone 17
Longitude Coordinates: -80.137823
Latitude Coordinates: 39.702866
Directions to Facility: From Exit 155 on I-79, merge onto Chaplin Hill Road (CR 19/24) towards US Rt 19 /WV-7 Star City, After 0.8 miles, turn left onto US-19 for 1.7 miles. Turn left on WV Rt. 7 and continue for 8.8 miles. Turn left onto Mooresville Rd. Well site access road will be on the right-hand side of the road after 0.8 miles.

Registration Type: Construction
Description of Change: Construction of a new Natural Gas Production Facility.

Subject to 40CFR60, Subpart OOOO? Yes

Subject to 40CFR60, Subpart JJJJ? Yes

Subject to 40CFR63, Subpart ZZZZ? Yes

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.

The source is not subject to 45CSR30.

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 checked="" 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 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
HTR-1	1E	Gas Processing Unit	--	2015	1.0	mmBtu/hr	7
HTR-2	2E	Gas Processing Unit	--	2015	1.0	mmBtu/hr	7
HTR-3	3E	Gas Processing Unit	--	2015	1.0	mmBtu/hr	7
HTR-4	4E	Gas Processing Unit	--	2015	1.0	mmBtu/hr	7
CE-1	5E	Caterpillar 3516B	1C	2015	1380	hp	10, 13 & 15
T01	6E	Produced Water Tank	--	2015	210	Bbl	6
T02	7E	Produced Water Tank	--	2015	400	Bbl	6
T03	8E	Produced Water Tank	--	2015	400	Bbl	6
T04	9E	Produced Water Tank	--	2015	400	Bbl	6
TL-1	10E	Produced Water Loading	--	2015	175,200	Bbl/Yr	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	
1C	--	Oxidation Catalyst	2015	--	--	10	
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
047-061-01665		
047-061-01666		
047-061-01668		
047-061-01669		

3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
HTR1-HTR4	1E-4E	(7) 1.0 mmBtu/hr Heater Treaters	Nitrogen Oxides	0.40	1.75
			Carbon Monoxide	0.34	1.47
T01-T04	6E-9E	(3) 400 BBL and (1) 210 BBL Produced Water Tanks	Volatile Organic Compounds	0.06	0.25
			Total HAPs	<0.01	<0.01
CE-1	5E	Caterpillar G3516B	Nitrogen Oxides	1.52	6.66
			Carbon Monoxide	0.52	2.27
			Volatile Organic Compounds	0.73	3.20
			Formaldehyde	0.13	0.58

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
T01-T04	6E-9E	Produced Water Production	5,122,000 gal/yr

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 (JJJJ Only)	Yes