

*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-A047**

Issued to:  
**Noble Energy Inc.**  
Sand Hill 13  
051-00201

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

*William F. Durham  
Director*

*Issued: March 17, 2015*

Facility Location: near Dallas, Marshall County, West Virginia  
Mailing Address: 1000 Noble Energy Drive  
Canonsburg, PA 15317  
Facility Description: Natural Gas/Condensate Production Facility  
NAICS Code: 211111  
SIC Code: 1311  
UTM Coordinates: 539.64 km Easting • 4,428.32 km Northing • Zone 17  
Longitude Coordinate: -80.53564  
Latitude Coordinate: 40.00418  
Directions to Facility: From I 70 turn onto CR43 (Dallas Pike). Travel south east toward Dallas. Just before Dallas turn onto CR 7 (Dallas/Stone Church Road) west. Travel for approximately 0.9 miles to the road to the facility wh on the left. The facility is at the end of the road approximately 0.7 miles from CR7.  
Registration Type: Construction  
Description of Change: Installation and operation of seven (7) 1.0-MMBtu/hr gas production unit (GPU) burners, four (4) 400-bbl condensate tanks, four (4) 400-bbl produced water tanks, and one (1) 7-mmBtu/hr vapor combustor.

Subject to 40CFR60, Subpart OOOO? Yes, gas well affected facility.

Subject to 40CFR60, Subpart JJJJ? No.

Subject to 40CFR63, Subpart ZZZZ? No.

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 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 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
ES-GPU1 Through ES-GPU7	4E-GPU1 Through 4E-GPU7	GPU Heaters	N/A	2015	1.0 (each)	MMBtu/hr	7
1S-TK1 Through 1S-TK4	8E-COMB	Four (4) Condensate Tanks	8S-COMB	2015	400 (each)	BBL	6
2S-TK5 Through 2S-TK8	FL001	Four (4) Produced Water Tanks	8S-COMB	2015	400 (each)	BBL	6
6S-TL	6E-TL1	Condensate Truck Loading	8S-COMB	2015	5,902,050	gallons/year	11, 14
7S-TL2	7E-TL2	Produced Water Truck Loading	None	2015	6,720,000	gallons/year	11, 14
<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	
8S-COMB	98%	LEED Combustor (Controlling Condensate and Produced Water Tanks, and Condensate Truck Loading)	2014	10	MMBtu/hr	12, 14	
<b>Emission Reduction Systems</b>						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
047-051-01638-00	047-051-01639-00	047-051-01655-00
047-051-01655-00	047-051-01640-00	047-051-01641-00
047-051-01642-00	047-051-01644-00	

## 3.0 Emission Limitations

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
1S-TK1 Through 1S-TK4, 2S-TK5 Through 2S-TK8, and 6S-TL	8E-COMB	Abutec-200 Combustor  (Controlling Condensate Tanks and Produced Water Tanks)	Nitrogen Oxides	0.40	1.75
			Carbon Dioxide	0.34	1.47
			Volatile Organic Compounds	6.04	26.44
			n-Hexane	1.07	4.69
			PM <sub>10</sub>	0.04	0.10
ES-GPU1 Through ES-GPU7	4E-GPU1 Through 4E-GPU7	GPU Heaters (Emission Limits per Each)	Nitrogen Oxides	0.08	0.36
			Carbon Monoxide	0.07	0.30

## 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
6S-TL	6E-TL1	Condensate Truck Loading	5,902,050 gallons/year
7S-TL2	7E-TL2	Produced Water Truck Loading	6,720,000 gallons/year
8S-COMB	8E-COMB	LEED Combustor	7,650 scf/hr of waste gas