



---

west virginia department of environmental protection

---

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

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

December 14, 2015

CERTIFIED MAIL  
91 7199 9991 7035 6613 6205

RJ Moses  
1000 Noble Energy Drive  
Canonsburg, PA 15317

RE: Approved Registration G70-A187  
Noble Energy, Inc.  
Web 22  
Facility ID No. 051-00223

Dear Mr. Moses:

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](http://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. 1222 or [Roy.F.Kees@wv.gov](mailto:Roy.F.Kees@wv.gov).

Sincerely,



Roy F. Kees, P.E.  
Engineer - NSR Permitting

Enclosures: Registration G70-A187  
c. Clayton Murrall

*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-A187**

**Issued to:  
Noble Energy, Inc.  
Web 22  
051-00223**

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

*William F. Durham  
Director*

*Issued: December 14, 2015*

Facility Location: Dallas, Marshall County, West Virginia  
Mailing Address: 333 Technology Drive, Suite 116, Canonsburg, PA 15317  
Facility Description: Natural Gas Production  
NAICS Code: 211111  
SIC Code: 1311  
UTM Coordinates: 541.046 km Easting • 4,419.301 km Northing • Zone 17  
Longitude Coordinates: -80.51989  
Latitude Coordinates: 39.92274  
Directions to Facility: Take I-70 to Exit 11, follow Dallas Pike Road for 5.31 miles to Dallas, WV. Make a right onto C/R 43/1 (Stone Church Road) for approximately 1.5 miles to C/R 26 (number 2 Ridge Road) and travel 5.43 miles to C/R 15 (Majorsville / Dry Ridge Road), make a right onto Majorsville / Dry Ridge Road and travel approximately 4.6 miles to the turn around, turn vehicle around and travel back approximately 1.0 miles to the lease road on the right.  
Registration Type: Construction  
Description of Change: New construction of natural gas facility.

Subject to 40CFR60, Subpart OOOO? Yes

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.*

---

*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 checked="" type="checkbox"/>
Section 9	Reserved	<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 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
1STK 1-4	1E-TK 1-4	(4) P.W. Tanks	None	2015	400	bbbl	6
2S-TL1	2STL1	PW Loading	None	2015	6,500,000	Gal/yr	11
3S-GPU 1-10	3E-GPU 1-10	(10) GPU Heaters	None	2015	1.0	mmBtu/hr	7
4S-COMB1	4E-COMB1	Vapor Combustor	--	2015	11.77	mmBtu/hr	14
6S-TK5	4E-COMB1	(1) Condensate Tank	4E-COMB1	2015	400	Bbl	6 & 14
7S-TL2	4E-COMB1	Cond. Loading	4E-COMB1	2015	17,800	gal/yr	11 & 14
8S-FC	8E-FC	Fuel Cell Generator	None	2015	1.44	gal/day Propane	7
9S-LP	9E-LP	Low Pressure Separator Heater	None	2015	1.0	mmBtu/hr	7
<b>Control Devices (If applicable)</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	
4S – COMB1	98 (VOC)	Leed LDF1350 Vapor Comb.	2015	11.77	mmBtu/hr	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
047-051-01687	047-051-01721	
047-051-01678	047-051-01733	
047-051-01734	047-051-01735	
047-051-01722	047-051-01728	
047-051-01723	047-051-01724	

**3.0 Emission Limitations**

Emission Unit ID	Emission Point ID	Emission Unit Description	Regulated Pollutant	Maximum Potential Emissions	
				Hourly (lb/hr)	Annual (tpy)
1S-TK1-4	1E-TK1-4	(4) 400 BBL PW Tanks	Volatile Organic Compounds	2.44	10.70
			Total HAPs	0.04	0.17
3S-GPU 1-10	3E-GPU 1-10	(10) 1.0 mmBtu/hr GPU Burners	Nitrogen Oxides	0.80	3.60
			Carbon Monoxide	0.70	3.00
4S-COMB1	4E-COMB1	Vapor Combustor	Nitrogen Oxides	0.80	3.49
			Carbon Monoxide	4.33	18.97
			Volatile Organic Compounds	2.02	8.86
			Total HAPs	0.27	1.19
6S-TK5	4E-COMB1	(1) 400 BBL Condensate Tank	Volatile Organic Compounds	0.24	1.04
			Total HAPs	--	--
7S-TL2	4E-COMB1	Condensate Truck Loading	Volatile Organic Compounds	0.36	1.60
			Total HAPs	0.08	0.35
9S-LP	9E-LP	1.0 mmBtu/hr Low Pressure Separator Heater	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 ID	Unit	Emission Point ID	Emission Unit Description	Annual Throughput Limit
7S-TL2		4E COMB1	Condensate Truck Loading	17,800 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)
--	--	--	--	--