

Fact Sheet



For Draft/Proposed Renewal Permitting Action Under 45CSR30 and Title V of the Clean Air Act

Permit Number: **R30-04100012-2012**
Application Received: **July 27, 2011**
Plant Identification Number: **04100012**
Permittee: **Dominion Transmission, Inc.**
Facility Name: **Sweeney Compressor Station**
Mailing Address: **445 West Main Street**
Clarksburg, WV 26031

Physical Location: Camden, Lewis County, West Virginia
UTM Coordinates: 530.50 km Easting • 4,328.80 km Northing • Zone 17
Directions: Interstate I-79 North to the Weston/Buckhannon exit (exit 99). Take Route 33 to Weston. Go straight through two stoplights and at the third light (at Main Street) turn left. Go one block to 2nd Street, next light, and turn right, following Route 33 West. Travel approximately 6 miles to Camden. Turn right on County Route 9 and go 6.3 miles to County Route 6 and go 1.7 miles. Station is on left side of road across a small bridge.

Facility Description

The Sweeney Compressor Station is a natural gas transmission facility covered by Standard Industrial Classification (SIC) 4922.

Emissions Summary

Plantwide Emissions Summary [Tons per Year]		
Regulated Pollutants	Potential Emissions	2010 Actual Emissions
Carbon Monoxide (CO)	183.50	56.85
Nitrogen Oxides (NO _x)	1,096.67	311.43
Particulate Matter (PM ₁₀)	2.91	1.12
Total Particulate Matter (TSP)	2.91	1.12
Sulfur Dioxide (SO ₂)	0.18	0.07
Volatile Organic Compounds (VOC)	155.54	46.29
<i>PM₁₀ is a component of TSP.</i>		
Hazardous Air Pollutants	Potential Emissions	2010 Actual Emissions
Total HAPs	16.1	3.73

Some of the above HAPs may be counted as PM or VOCs.

Title V Program Applicability Basis

This facility has the potential to emit 1096.67 tons per year of Nitrogen Oxides, 183.50 tons per year of Carbon Monoxide, and 154.54 tons per year of Volatile Organic Compounds. Due to this facility's potential to emit over 100 tons per year of criteria pollutant, Dominion Transmission, Inc's Sweeney Compressor Station is required to have an operating permit pursuant to Title V of the Federal Clean Air Act as amended and 45CSR30.

Legal and Factual Basis for Permit Conditions

The State and Federally-enforceable conditions of the Title V Operating Permits are based upon the requirements of the State of West Virginia Operating Permit Rule 45CSR30 for the purposes of Title V of the Federal Clean Air Act and the underlying applicable requirements in other state and federal rules.

This facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR2	Indirect Heat Exchangers
	45CSR6	Open burning prohibited.
	45CSR10	Emission of Sulfur Oxides
	45CSR11	Standby plans for emergency episodes.
	45CSR13	Construction Permits
	WV Code § 22-5-4 (a) (14)	The Secretary can request any pertinent information such as annual emission inventory reporting.
	45CSR30	Operating permit requirement.
	40 C.F.R. 60.18	NSPS Flare Requirements
	40 C.F.R. Part 61	Asbestos inspection and removal
	40 C.F.R. Part 63, Subpart ZZZZ	NESHAPs for RICE
40 C.F.R. Part 82, Subpart F	Ozone depleting substances	
State Only:	45CSR4	No objectionable odors.
	45CSR17	Fugitive Particulate Matter

Each State and Federally-enforceable condition of the Title V Operating Permit references the specific relevant requirements of 45CSR30 or the applicable requirement upon which it is based. Any condition of the Title V permit that is enforceable by the State but is not Federally-enforceable is identified in the Title V permit as such.

The Secretary's authority to require standards under 40 C.F.R. Part 60 (NSPS), 40 C.F.R. Part 61 (NESHAPs), and 40 C.F.R. Part 63 (NESHAPs MACT) is provided in West Virginia Code §§ 22-5-1 *et seq.*, 45CSR16, 45CSR34 and 45CSR30.

Active Permits/Consent Orders

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit (<i>if any</i>)
R13-2498B	July 25, 2011	

Conditions from this facility's Rule 13 permit(s) governing construction-related specifications and timing requirements will not be included in the Title V Operating Permit but will remain independently enforceable under the applicable Rule 13 permit(s). All other conditions from this facility's Rule 13 permit(s) governing the source's operation and compliance have been incorporated into this Title V permit in accordance with the "General Requirement Comparison Table B," which may be downloaded from DAQ's website.

Determinations and Justifications

1. Miscellaneous
Condition 3.1.13 required permanent removal of old dehydration unit equipment prior to replacement equipment and control device being placed into service. Since this has been performed, this Condition has been removed from the Permit.
Section 5 has been renumbered for consistency.
Updates have been made to the Permit boilerplate.
2. 40CFR63, Subpart ZZZZ National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines [Auxiliary Engines AUX03 and AUX04]
The facility is subject to the area source requirements of this Subpart. The compliance date for these conditions unless specified elsewhere in the Permit is October 19, 2013. The facility has two auxiliary emergency spark ignition engines (AUX03 and AUX04) that are greater than 500 brake horsepower.

Condition 6.1.1 of the permit – These are existing emergency stationary SI RICE (constructed before 6-12-2006) located at an area source of HAP emissions and according to 40 C.F.R. §63.6595, the permittee must comply with the applicable operating limitations no later than October 19, 2013.
Conditions 6.2.1, 6.4.1 & 6.5.1 through 6.5.4 have been added to the permit to address applicable sections of 40 C.F.R. 63 Subpart ZZZZ.
3. 40CFR63, Subpart ZZZZ National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines [EN01, EN02, EN03, and EN04]
The facility is subject to the area source requirements of this Subpart. The compliance date for these conditions unless specified elsewhere in the Permit is October 19, 2013. The facility has four engines (EN01, EN02, EN03, and EN04) that are subject to this Subpart. They are non-emergency two stroke lean burn existing engines that are greater than 500 brake horsepower.

Condition 7.1.1 of the permit – These are existing non-emergency stationary two stroke lean burn RICE (constructed before 6-12-2006) located at an area source of HAP emissions and according to 40 C.F.R.

§63.6595, the permittee must comply with the applicable operating limitations no later than October 19, 2013.

Conditions 7.2.1, 7.4.1 & 7.5.1 through 7.5.2 have been added to the permit to address applicable sections of 40 C.F.R. 63 Subpart ZZZZ.

Non-Applicability Determinations

The following requirements have been determined not to be applicable to the subject facility due to the following:

1. 40 CFR 64 - Engines do not have any controls. Therefore, in accordance with 40 C.F.R § 64.2(a), CAM is not applicable to the engines.

The Glycol Dehydration unit is subject to the facility-wide HAP emission limits of Condition 3.1.10 and the VOC reduction requirements of Condition 5.1.8. The potential pre-control device emissions of HAPs and VOCs are greater than major source thresholds. The flare used to control VOCs and HAPs is required to be operated in accordance with 40CFR§60.18 and as such must monitor for the presence or absence of the flare pilot flame. Since a continuous compliance determination was already specified in the Title V Permit, the Glycol Dehydration unit is exempt from CAM in accordance with 40CFR§64.2(b)(1)(vi).

2. Greenhouse Gas Tailoring Rule
This is a renewal Title V Permit and there have been no changes that would have triggered a PSD permit. As such, there are no applicable GHG permitting requirements.

Request for Variances or Alternatives

None

Insignificant Activities

Insignificant emission unit(s) and activities are identified in the Title V application.

Comment Period

Beginning Date: April 25, 2012
Ending Date: May 25, 2012

All written comments should be addressed to the following individual and office:

Mike Egnor
Title V Permit Writer
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304

Procedure for Requesting Public Hearing

During the public comment period, any interested person may submit written comments on the draft permit and may request a public hearing, if no public hearing has already been scheduled. A request for public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing. The Secretary shall grant such a request for a hearing if he/she concludes that a public hearing is appropriate. Any public hearing shall be held in the general area in which the facility is located.

Point of Contact

Mike Egnor
West Virginia Department of Environmental Protection
Division of Air Quality

601 57th Street SE
Charleston, WV 25304
Phone: 304/926-0499 ext. 1208 • Fax: 304/926-0478

Response to Comments (Statement of Basis)

(Choose) Not applicable.

OR

Describe response to comments that are received and/or document any changes to the final permit from the draft/proposed permit.