

Fact Sheet



For Final Minor Modification Permitting Action Under 45CSR30 and Title V of the Clean Air Act

This Fact Sheet serves to address the changes specific to this or Minor Modification, and shall be considered a supplement to the Fact Sheet corresponding with the Title V operating permit issued on September 15, 2011.

Permit Number: **R30-03300013-2011(MM01)**
Application Received: **August 13, 2014**
Plant Identification Number: **03-54-033-00013**
Permittee: **Dominion Transmission, Inc.**
Facility Name: **Sardis Station**
Mailing Address: **925 White Oaks Blvd., Bridgeport, WV 26330**

Permit Action Number: *MM01* Revised: October 5, 2015

Physical Location:	Sardis, Harrison County, West Virginia
UTM Coordinates:	552.89 km Easting • 4355.61 km Northing • Zone 17
Directions:	Interstate 79 North to the Clarksburg exit. Turn left off the exit ramp, then go thru Clarksburg on Route 50. Off of Route 50, turn onto Route 9 (Gregory Run Road). Travel for 5 miles, and then turn right at Dominion Transmission, Inc. (DTI) sign. Go approximately 0.5 miles to station.

Facility Description

Sardis Compressor Station is a natural gas facility covered by Standard Industrial Classification (SIC) Code 4922 and North American Industry Classification System (NAICS) Code 486210. The Sardis Station currently operates three (3) natural gas fired reciprocating compressor engines. These engines are rated at 1000hp, 800hp, and 750hp. Additionally, the station utilizes two (2) 192.5hp emergency generators, one (1) 22 MMscf/d field gas dehydration column, one (1) 1.437 MMBtu/hr glycol dehydration unit reboiler, one (1) dehydration unit flare, two (2) 2,730-gallon aboveground engine oil storage tanks, one (1) 2,500-gallon aboveground ethylene glycol storage tank, one (1) 230-gallon aboveground wastewater storage tank, one (1) 5,000-gallon aboveground natural gas produced fluids storage tank, one (1) 500-gallon aboveground wastewater storage tank, and one (1) 520-gallon aboveground triethylene glycol (TEG)

storage tank. The station has the potential to operate seven (7) days per week, twenty-four (24) hours per day. The Sardis Station compresses production gas to Hastings Extraction Plant.

This minor modification involves the changes reflected in Permit R13-2915A, which is for the replacement of Flare FL02 with a QTI Q250 Dehydration Unit Flare (FL03).

Emissions Summary

The following table summarizes the change in emissions resulting from the replacement of Flare FL02 with a QTI Q250 Dehydration Unit Flare (FL03).

Regulated Pollutants	Change PTE
	TPY
Carbon Monoxide (CO)	-1.43
Nitrogen Oxides (NO _x)	+4.82
Particulate Matter (PM/PM ₁₀ /PM _{2.5})	+1.31
Sulfur Dioxide (SO ₂)	0
Volatile Organic Compounds (VOC)	+2.15
Total HAP	+0.13
<i>PM₁₀ is a component of TSP</i>	

Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit over 100 tons per year of Nitrogen Oxides (NO_x) and Volatile Organic Compounds (VOC). Due to this facility's potential to emit over 100 tons per year of criteria pollutant, Dominion Transmission, Inc. 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.

The modification to this facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR6	Control of Air Pollution from Combustion of Refuse.
	45CSR10	To Prevent and Control Air Pollution from the Emission of Sulfur Oxides.
	45CSR13	Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, Operating permit requirement.
	45CSR30	Operating permit requirement.
	45CSR34	Emission Standards for Hazardous Air Pollutants.
	40 C.F.R. 63 Subpart HH	National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities.

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>)
G60-C026	January 4, 2011	
R13-2915A	May 8, 2015	

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," which may be downloaded from DAQ's website.

Determinations and Justifications

The following changes were made to the Title V permit to incorporate the changes made in permit R13-2915A.

Section 1.1. Emission Units

- Removed control device FL02 from the emission units table.
- Added control device FL03 to the emission units table.
- Changed the control device of emission unit DEHY02 from FL02 to FL03.

Section 3.0

- In conditions 3.1.11 and 3.4.4 changed FL02 to FL03 in the citation.

Section 4.0

- The record keeping language of condition 4.4.1 was updated to reflect changes made in R13-29154A. The phrase "Upon request of the Director" was moved from mid-sentence to the beginning of the sentence.

Section 5.0

- Changed FL02 to FL03 in the title of Section 5.0.
- Updated the PM limit calculation in condition 5.1.1. The new incinerator capacity is 474 lbs/hr as given in Attachment L of the Modification application; the resulting PM limit is 1.29 lbs/hr. As the hourly PM emission rate for the new flare is 0.30 lbs/hr, the unit is in compliance with this emission limit.
- Changed FL02 to FL03 in the citations of the following conditions: 5.1.1, 5.1.2, 5.1.3, 5.1.4, 5.1.5, 5.1.6, 5.1.7, 5.2.2, 5.2.3, 5.2.4.

- Changed conditions 5.1.9, 5.1.10, 5.2.6 and 5.4.10 to match R13-2915A. Note: changes to 5.1.10 include updating the emission limits table for FL03.
- In condition 5.1.12 changed all references of FL02 to FL03.
- The record keeping language of condition 5.4.11 was updated in the same way as condition 4.4.1.

Section 7.0

- Updated condition 7.1.11 to reflect a change in the description of the catalytic converter.
- The record keeping language of condition 7.4.5 was updated in the same way as condition 4.4.1.

Compliance Assurance Monitoring (CAM) – The applicable CAM rule requirements for the glycol dehydration unit were previously specified in the Title V permit and did not change with the replacement of the flare.

Non-Applicability Determinations

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

40 C.F.R Part 63 Subpart HHH - National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities. The Sardis Station is not subject to Subpart HHH since the station transports production gas to Hastings Extraction Plant. Sardis Station is a minor (area) source of HAPs.

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: Not Applicable for minor modifications.
Ending Date: N/A

Point of Contact

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

Robert Mullins
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: 304/926-0499 ext. 1243• Fax: 304/926-0478
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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.

Response to Comments (Statement of Basis)

Not applicable.