

Fact Sheet



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

Permit Number: **R30-04100012-2022**
Application Received: **November 29, 2021**
Plant Identification Number: **03-54-041-00012**
Permittee: **Eastern Gas Transmission and Storage, Inc.**
Facility Name: **Sweeney Compressor Station**
Mailing Address: **925 White Oaks Blvd., Bridgeport, WV 26330**

Physical Location: Camden, Lewis County, West Virginia
UTM Coordinates: 530.50 km Easting • 4328.80 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

Sweeney Station is a storage and compressor facility that services a natural gas storage pool and pipeline system covered by Standard Industrial Classification (SIC) 4922. The station has the potential to operate seven (7) days per week, twenty-four (24) hours per day. The station consists of four (4) natural gas fired reciprocating compressor engines, two (2) non-emergency auxiliary generators, one (1) dehydration unit with flare, one (1) reboiler, one (1) boiler and ten (10) storage tanks of various sizes.

Emissions Summary

Plantwide Emissions Summary [Tons per Year]		
Regulated Pollutants	Potential Emissions	2020 Actual Emissions
Carbon Monoxide (CO)	184.09	60.52
Nitrogen Oxides (NO _x)	1,092.01	340.58
Particulate Matter (PM _{2.5})	7.78	0.11
Particulate Matter (PM ₁₀)	7.78	0.89
Total Particulate Matter (TSP)	10.48	1.81
Sulfur Dioxide (SO ₂)	0.17	0.06
Volatile Organic Compounds (VOC)	180.58	43.56
<i>PM₁₀ is a component of TSP.</i>		
Hazardous Air Pollutants	Potential Emissions	2020 Actual Emissions
Total HAPs	13.32*	3.13

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

**Each individual HAP is less than 10 tons per year. Also, the PTE is slightly higher than the 2017 fact sheet due to a previous calculation error.*

Title V Program Applicability Basis

This facility has the potential to emit 1,092.01 tons per year of Nitrogen Oxides, 184.09 tons per year of Carbon Monoxide, and 180.58 tons per year of Volatile Organic Compounds. Due to this facility's potential to emit over 100 tons per year of criteria pollutant, Eastern Gas Transmission and Storage, 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 | To Prevent And Control Particulate Air Pollution From Combustion Of Fuel In Indirect Heat Exchangers |
| 45CSR6 | Open burning prohibited. |
| 45CSR10 | To Prevent And Control Air Pollution From The Emission Of Sulfur Oxides |
| 45CSR11 | Standby plans for emergency episodes. |
| 45CSR13 | Permits For Construction, Modification, Relocation And Operation Of Stationary Sources Of Air Pollutants, Notification Requirements, Administrative Updates, Temporary Permits, General Permits, And Procedures For Evaluation |

WV Code § 22-5-4 (a) (14) 45CSR30 45CSR34 40 CFR Part 61 40 CFR Part 63, Subpart ZZZZ 40 CFR Part 82, Subpart F <u>State Only:</u> 45CSR4 45CSR17	The Secretary can request any pertinent information such as annual emission inventory reporting. Requirements For Operating Permits. Emission Standards For Hazardous Air Pollutants. Asbestos inspection and removal National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines Ozone depleting substances No objectionable odors. To Prevent And Control Particulate Matter Air Pollution From Materials Handling, Preparation, Storage And Other Sources Of Fugitive Particulate Matter
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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 (if any)
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," which may be downloaded from DAQ's website.

Determinations and Justifications

This is a renewal of the Title V permit which was issued on May 31, 2017. Unless otherwise noted, the terminology "current permit" or "CP" means Title V Operating Permit R30-04100012-2017. Substantial changes to the most recent version of the current Title V Permit consist of the following:

- 1) **Cover Page, Page 1, and Header** - The company name has been updated from Dominion Transmission, Inc. to Eastern Gas Transmission and Storage, Inc.
- 2) **Page 1** – The telephone number and facility description have been updated.
- 3) **Title V Boilerplate changes**
 - **Condition 2.11.4.** – The citation of authority has been updated.
 - **Condition 2.22.1.** – 45CSR38 has been repealed and therefore it has been removed from the citation of authority.

- **Condition 3.5.3.** – The US EPA’s contact information has been updated.
- 4) **Condition 1.1. - Emission Units Table**
- The Horizontal Lube Oil 7-Chambered Tank “TK12” has been removed from the facility and therefore removed from the equipment table.
 - Relocated the Dehydration Unit Still “DEHY02, the Dehydration Unit Reboiler “RBR02,” and the Dehydration Unit Still Flare “FL02” to group them with combustion emission units.
- 5) **Condition 4.4.1.** - Relocated R13-2498B condition 4.4.8. requirements for the reboiler from condition 5.4.4. to this new condition. (see Item 7 below)
- 6) **Condition 5.2.6.** – Added “45CSR§30-5.1.c.” to the citation of authority since R13-2498B condition 4.1.7. (Title V condition 5.1.8.) is not included in R13-2498B condition 4.3.2.
- 7) **Condition 5.4.4.** – Removed “4.2.1.” from this condition and added the recordkeeping requirements pertaining to the reboiler as condition 4.4.1. (see Item 5 above)
- 8) **Condition 5.5.2.** – Added “45CSR§30-5.1.c.” to the citation of authority since in R13-2498B condition 4.1.7. (Title V condition 5.1.8.) is not included in R13-2498B condition 4.5.3.
- 9) **Condition 6.4.2.** – Corrected a typographical error to the cross reference which should have been 6.1.5. instead of 4.1.5.

Non-Applicability Determinations

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

- a. **45 CSR 10** – This rule is not applicable to internal combustion engines (i.e. Compressor engines EN01, EN02, EN03, EN04 or auxiliary generator engines AUX03 and AUX04).
- b. **40 CFR 60 Subpart JJJJ** – The compressor engines (EN01, EN02, EN03, EN04, installed in 1956) and the auxiliary generator engines (AUX03 and AUX04 installed in 1996) are not subject to this subpart since they were installed before the applicability date.
- c. **40 CFR 60 Subpart OOOO** – There are no affected facilities located at the Sweeney Compressor Station that commenced construction, modification, or reconstruction after August 23, 2011, and on or before September 18, 2015. None of the newly installed tanks onsite meet the applicability requirements in 40 CFR §60.5365(e).
- d. **40 CFR 60 Subpart OOOOa** – There are no affected facilities located at the Sweeney Compressor Station that commenced construction, modification, or reconstruction after September 18, 2015. None of the newly installed tanks onsite meet the applicability requirements in 40 CFR §60.5365a(e).
- e. **40 CFR 63 Subpart HH** – The facility is a “natural gas transmission and storage facility” and not a “natural gas production facility.” Therefore, the requirements of this subpart do not apply.
- f. **40 CFR 63 Subpart HHH** – The facility is not defined as a major source of HAPs. Therefore, this subpart is not applicable to the facility.
- g. **40 CFR 63 Subpart DDDDD** – The facility is not defined as a major source of HAPs. Therefore, this subpart is not applicable to the reboiler (RBR02) or the boiler (BLR02).

- h. **40 CFR 63 Subpart JJJJJJ** – The reboiler (RBR02) is a gas-fired “process heater” and therefore excluded from the definition of “boiler” pursuant to §63.11237. The boiler (BLR02) is a gas-fired boiler and therefore is not subject to this subpart per 40 CFR §63.11195(e).
- i. **40 CFR 64** – The facility does not have any pollutant specific emissions units (PSEU) that satisfied all of the applicability criteria requirements of 40 CFR §64.2(a). There have been no changes to any equipment at the facility since the last renewal that have resulted in a source satisfying the applicability requirements of 40 CFR §64.2(a) and becoming subject to CAM.

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: June 22, 2022

Ending Date: July 22, 2022

Point of Contact

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

Frederick Tipane
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304
304/926-0499 ext. 41910
frederick.tipane@wv.gov

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.