

Fact Sheet



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

Permit Number: **R30-10300033-2018**
Application Received: **July 13, 2017**
Plant Identification Number: **03-54-103-00033**
Permittee: **Equitrans, L.P.**
Facility Name: **Logansport #49 Compressor Station**
Mailing Address: **Route 1, Box 26 Smithfield, WV 25437**

Physical Location: Smithfield, Wetzel County, West Virginia
UTM Coordinates: 538.78 km Easting • 4378.47 km Northing • Zone 17
Directions: From Smithfield, take W. Virginia 20 N for 1.1 miles and turn right onto Co Rd 7/8/Fallen Timber Run Rd. Go 3.5 miles and turn right onto Co Rd 80/Shuman Hill. Continue 1.5 miles and turn left onto Co Rd 17/17N. Station will be 0.2 miles to the northwest.

Facility Description

The Logansport #49 Station is a natural gas transmission facility covered by NAICS 486210 and SIC 4922. The station has the potential to operate seven (7) days per week, twenty-four (24) hours per day. The station consists of two (2) 800-hp natural gas internal combustion reciprocating engines, two (2) electric generators, one (1) triethylene glycol dehydrator, one (1) heating boiler, one (1) dehydration reboiler, one (1) indirect gas fired heater, one (1) line heater, one (1) enclosed combustor, four (4) catalytic heaters, one (1) space heater and seven (7) tanks of various sizes. In addition, there is a dry bed desiccant dehydration unit that produces negligible emissions. The Logansport #49 compressor station is used to compress storage gas.

Emissions Summary

Plantwide Emissions Summary [Tons per Year]		
Regulated Pollutants	Potential Emissions	2016 Actual Emissions
Carbon Monoxide (CO)	93.61	2.08
Nitrogen Oxides (NO _x)	233.75	12.56
Particulate Matter (PM _{2.5})	3.67	0.16
Particulate Matter (PM ₁₀)	3.67	0.16
Total Particulate Matter (TSP)	3.67	0.24
Sulfur Dioxide (SO ₂)	0.08	0.01
Volatile Organic Compounds (VOC)	12.95	1.78

PM₁₀ is a component of TSP.

Hazardous Air Pollutants	Potential Emissions	2016 Actual Emissions
Formaldehyde	3.65	0.21
Benzene	0.23	0.01
Ethylbenzene	0.18	<0.01
Xylene	0.02	<0.01
n-Hexane	0.05	0.05
Total HAPs	6.80	0.30

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

Title V Program Applicability Basis

This facility has the potential to emit 233.75 tons per year of NO_x. Due to this facility's potential to emit over 100 tons per year of criteria pollutant, Equitrans, L.P. 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.
	45CSR11	Standby plans for emergency episodes.
	45CSR13	NSR 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.
	45CSR34	Emission Standards for Hazardous Air Pollutants
	40 C.F.R. Part 61	Asbestos inspection and removal
	40 C.F.R. Part 63, Subpart ZZZZ	Stationary Reciprocating Internal Combustion Engines
	40 C.F.R. Part 82, Subpart F	Ozone depleting substances
	40 C.F.R. Part 64	Compliance Assurance Monitoring
State Only:	45CSR4	No objectionable odors.
	45CSR17	To Prevent and Control Particulate Air Pollution from Materials Handling Preparation, Storage and Other Sources of 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 (if any)
R13-3371A	March 13, 2018	

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 the third Title V permit renewal for this facility. The following changes were made to the existing permit during this renewal.

1.0 Emission Units

- Changed the installation dates for emission units TEG Dehy, COMB-1, BLR02, Tank 6 and Tank7 from 2017 to 2018 since actual installation of the equipment is to occur in 2018 not 2017.
- The emission unit LHTR (1.5 MMBtu/hr unit installed in 2011) was replaced in 2013 with a 2.52 MMBtu/hr unit with the same Emission Unit ID. The new unit is subject to the same requirements as the old one.

- DB Dehy and BLR01 have been decommissioned and are scheduled to be removed. Therefore, the emission units have been removed from the Emission Units Table.
- Emission unit BLR (Heating Boiler 2 with design capacity 2.5 MMBtu/hr) was replaced in 2017 with emission unit BLR (Heating Boiler 2 with design capacity 2.34 MMBtu/hr). The new unit is subject to the same requirements as the old one.
- Added Emission Units CHTR-1, CHTR-2, CHTR-3, CHTR-4, and SHTR-1. These units have no applicable requirements.
- Corrected the design capacity of Tank 4 from 3,000 gallons to 1,500 gallons.

4.0 Source Specific Engine Requirements

- Instead of including the requirements of 40 C.F.R. §§63.6625(e), (h), and (j) in condition 4.2.1 by reference, the full requirements were included as conditions 4.1.5, 4.1.6, and 4.1.7.

5.0 Source Specific Requirements

- Removed the reserved conditions 5.2.2, 5.4.2 and 5.5.2. and renumbered remaining conditions.

Non-Applicability Determinations

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

45CSR21	Regulation to Prevent and Control Air Pollution from the Emission of Volatile Organic Compounds. Logansport #49 station is not located in Cabell, Kanawha, Putnam, Wayne, or Wood counties that are affected by 45CSR21.
45CSR27	To Prevent and Control the Emissions of Toxic Air Pollutants. Natural gas is included as a petroleum product and contains less than 5% benzene by weight. 45CSR§27-2.4 exempts equipment “used in the production and distribution of petroleum products providing that such equipment does not produce or contact materials containing more than 5% benzene by weight.”
40 C.F.R. 60 Subpart Dc	This subpart applies to steam generating units greater than 10 MMBtu/hr and less than 100 MMBtu/hr. Logansport # 49 Station does not have any steam generating units greater than 10 MMBtu/hr.
40 C.F.R. 60 Subpart GG	Standards of Performance for Stationary Gas Turbines. There are no turbines at the Logansport #49 Compressor Station.
40 C.F.R. 60 Subpart K	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978. All tanks are below 40,000 gallons in capacity.
40 C.F.R. 60 Subpart Ka	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984. All tanks are below 40,000 gallons in capacity.
40 C.F.R. 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984. All tanks storing volatile organic liquids are below 75 m ³ in capacity.
40 C.F.R. 60 Subpart KKK	Standards of Performance for Equipment Leaks of VOC From Onshore Natural Gas Processing Plants. Logansport #49 Compressor Station is not engaged in the extraction of natural gas from field gas or in the fractionation of mixed natural gas liquids to natural gas products.

40 C.F.R. 60 Subpart LLL	Standards of Performance for Onshore Natural Gas Processing: SO ₂ Emissions. There are no sweetening units at the Logansport #49 Compressor Station.
40 C.F.R. 60 Subpart IIII	Standards of performance for Stationary Compression Ignition Engines. All engines at Logansport #49 Compressor Station are spark ignition engines.
40 C.F.R. 60 Subpart JJJJ	This subpart applies to stationary spark ignition internal combustion engines that have been constructed, reconstructed, or modified after various dates, the earliest of which is June 12, 2006. All the engines at Logansport #49 Compressor Station were installed before June 12, 2006 and have not been reconstructed or modified.
40 C.F.R. 60 Subpart KKKK	Standards of Performance for Stationary Combustion Turbines. There are no turbines at the Logansport #49 Compressor Station.
40 C.F.R. 60 Subpart OOOO and OOOOa	Standards of Performance for Oil and Natural Gas Production, Transmission, and Distribution, applies to affected facilities that commenced construction, reconstruction, or modification after August 23, 2011 and before September 18, 2015 for OOOO and after September 18, 2015 for OOOOa. Tanks 6 & 7 were constructed after September 18, 2015, but do not meet the 6 tpy threshold. They are therefore not subject to OOOOa.
40 C.F.R. 63 Subpart HH	National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities. The Logansport #49 Compressor Station is not subject to Subpart HH since Logansport #49 Compressor Station is not a natural gas production facility.
40 C.F.R. 63 Subpart HHH	Natural Gas Transmission and Storage Facilities. The Logansport #49 Compressor Station is a transmission facility but it is an area source of HAPs thus is not subject to this rule.
40 C.F.R. 63 Subpart DDDDD	This MACT standard applies to Industrial, Commercial, and Institutional Boilers and Process Heaters at major sources of HAPs. Logansport #49 Compressor Station is not major for HAPs.
40 C.F.R. 63 Subpart JJJJJ	This MACT standard applies to industrial, commercial, and institutional boilers at area sources of HAPs. All boilers at Logansport #49 Compressor Station fire natural gas exclusively. Natural gas boilers are exempt from the rule per 40 C.F.R. §63.11195(e).
40 C.F.R. 64.	Since the R13-3371A permit specifies a “continuous compliance determination method” (e.g. continuously monitoring the flare using a thermocouple to detect the presence of a flame) which was included in the Title V permit, CAM does not apply (exemption per 40 C.F.R. §64.2(b)(1)(vi)).

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: Wednesday, March 28, 2018
 Ending Date: Friday, April 27, 2018

Point of Contact

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

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Division of Air Quality
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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.