

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 Minor Modification, and shall be considered a supplement to the Fact Sheet corresponding with the Title V operating permit issued on July 24, 2012.

Permit Number: **R30-04100013-2012**
Application Received: **January 15, 2014**
Plant Identification Number: **03-54-04100013**
Permittee: **Dominion Transmission, Inc**
Facility Name: **Lightburn Station**
Mailing Address: **445 West Main Street**
Clarksburg, WV 26301

Permit Action Number: *MM01* Revised: *June 3, 2014*

Physical Location:	Jane Lew, Lewis County, West Virginia
UTM Coordinates:	547.54 km Easting • 4331.11 km Northing • Zone 17
Directions:	From Charleston take I-79N to Jane Lew. Take Exit 105 (Jane Lew Exit) and make a left on County Road 7 (Berkin-Jane Lew Road). Stay on CR-7 until it intersects Route 19 (Main Avenue). Make a right on Route 19 and make the immediate left on Broad Run Road. Stay on Broad Run Road until it intersects County Road 1 (Old Mill Road/Fork River Road/Jacksons Mill Road) and make a right. Stay on CR 1 for about 500 yards and Lightburn Station is on the right.

Facility Description

The Lightburn Station consists of a natural gas extraction plant, Lightburn Extraction Plant (LEP), and a compressor station, Lightburn Compressor Station (LCS). LEP is located adjacent to LCS. The LEP and LCS are located on contiguous property and are under common control. However, the plants do not belong to the same industrial grouping (SIC). The LCS operates under SIC Code 4922 (Pipeline Transmission of Natural Gas), and the LEP operates under SIC Code 1321 (Natural Gas Liquid Extraction).

The emission units at LCS consist of two (2) 2000 HP natural gas fired reciprocating engines (EN01, EN02), three (3) 4000 HP natural gas fired reciprocating engines (EN03, EN04, EN05), two (2) 6060 HP natural gas fired reciprocating engines (EN06 (6), EN07 (7)), (1) 1085 HP auxiliary generator (AUX02 (11)), two (2) dehydration unit stills (DEHY01, DEHY02), two (2) boilers (BLR01, BLR02 (14)), one (1) heater (HTR01), two (2) reboilers (RBR01, RBR02), and two (2) dehydration unit flares (DEHY1, DEHY2).

The emission units at LEP consist of two (2) 3550 HP natural gas fired reciprocating engines (EN08, EN09), two (2) 216 HP fire pump engines (EN10, EN11), four (4) 60,000-gallon aboveground natural gas liquid storage tanks (008-01, 008-02, 008-03, 008-04), two (2) natural gas liquid loading racks (009-01, 009-02), one (1) emergency and maintenance flare (FLARE3), one (1) 500-gallon aboveground methanol storage tank (014-03), two (2) 290-gallon aboveground diesel fuel storage tanks (014-01, 014-02), and one (1) 254 HP emergency generator (012-01). The natural gas capacity of the LEP is 52 MMSCFD, and the plant is estimated to produce 2,244 barrels/day of natural gas liquids. The LEP Plant receives natural gas from the existing Kennedy Compressor Station and Wymer Junction.

This minor modification (MM01) is to correct the engine type and size of the fire pump engines (EN10 and EN11) which are located at the LEP. The original fire pump engines were listed as 259 horsepower (hp) John Deere Co. JU6H-UF84 Fire Pump Engines. The units are now being corrected to 216 hp John Deere Co. JU6H-UF54 Fire Pump Engines. These changes were approved under R13-2823C on March 17, 2014.

Emissions Summary

The changes associated with the proposed modification are as follows:

Pollutants	Change in Potential Emissions, TPY
NO _x	+0.25
CO	+0.06
SO ₂	0
PM ₁₀	-0.02
PM _{2.5}	-0.02
VOC	-0.01
CO ₂ e	-55.45

Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit 1,085.52 tons per year of Carbon Monoxide; 2,496.06 tons per year of Nitrogen Oxides; 567.76 tons per year of Volatile Organic Compounds; 51.05 tons per year of Formaldehyde; and 85.08 tons per year of aggregate Hazardous Air Pollutants. Due to this facility's potential to emit over 100 tons per year of criteria pollutant, over 10 tons per year of a single HAP, and over 25 tons per year of aggregate HAPs, Dominion Transmission's Lightburn Station is required to have an operating permit pursuant to Title V of the Federal Clean Air Act as amended and 45CSR30.

Lightburn Compressor Station and Lightburn Extraction Plant are two separate facilities for determining major source status under NESHAPs because one is transmission/storage and one is production/gathering. Lightburn Compressor Station's potential emissions are such that it is a major source of HAPs, while Lightburn Extraction Plant's potential emissions are an area source of HAPs.

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:	45CSR13	Permits for Construction, Modification, Relocation and Operation of Stationary Sources
	45CSR30	Operating permit requirement.
State Only:	NA	

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>)
R13-2823C	3/17/14	

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

40CFR60 Subpart IIII: The permitted fire pumps are already subject to 40CFR60 Subpart IIII, and this modification does not result in any change to the applicable standards the engines are subject to.

40CFR63Subpart ZZZZ: The fire pumps are considered new engines at an area source since they were constructed after June 12, 2006. Per §63.6590(c), the engines meet the requirements of Subpart ZZZZ by meeting the requirements of 40 CFR Part 60, Subpart IIII.

The minor modification includes the following changes (from R13-2823C) in this permit:

- Section 1.1 and conditions 7.1.3, 7.1.4 and 7.1.5 have been updated to correct the engine type and size of the fire pump engines located at the LEP.

Non-Applicability Determinations

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

None

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: N/A

Ending Date: N/A

Point of Contact

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

Beena Modi
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: 304/926-0499 ext. 1228 • Fax: 304/926-0478
Beena.j.modi@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)

During EPA's proposed review period, Company requested to update Appendix A (40 C.F.R 63 Subpart HHH). 40 C.F.R 63 Subpart HHH has been updated as amended on August 16, 2012.