

Fact Sheet



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

This Fact Sheet serves to address the changes specific to this Significant Modification, and shall be considered a supplement to the Fact Sheet corresponding with the Title V operating permit issued on December 8, 2021.

Permit Number: **R30-09700029-2021(SM01)**
Application Received: **January 24, 2023**
Plant Identification Number: **03-54-097-00029**
Permittee: **Weyerhaeuser Company**
Facility Name: **Buckhannon Facility**
Mailing Address: **41 TJM Drive, Buckhannon, WV 26201**

Permit Action Number: *SM01* Revised: *July 25, 2023*

Physical Location: Buckhannon, Upshur County, West Virginia
UTM Coordinates: 568.00 km Easting • 4316.50 km Northing • Zone 17
Directions: From Charleston, take Interstate 79 North to the Buckhannon Exit (Exit 99), proceed east on State Route 33 towards Buckhannon, for approximately 14 miles. After passing by Route 20 (Phillipi/Buckhannon) Exit, take the 2nd Exit on the left onto Industrial Park Road (Route 15/33). Continue on Industrial Park Road for approximately one (1) mile until coming to Stop sign. The plant is straight ahead.

Facility Description

Weyerhaeuser Company (Weyerhaeuser) is an engineered wood products facility covered by Standard Industrial Classification (SIC) Code 2493 and the North American Industry Classification System (NAICS) Code 321219. The facility has the potential to operate twenty-four (24) hours per day, seven (7) days per week and fifty-two (52) weeks per year. The facility consists of one (1) wood-fired furnace, one (1)

propane furnace, two (2) veneer dryers, three (3) wood presses, six (6) storage tanks of various sizes, six (6) baghouse systems, one (1) ESP, one (1) multiclone, two (2) spray booths, one (1) diesel emergency fire water pump engine, and one (1) diesel storage tank.

This modification is to add an existing 245 hp diesel fire water pump engine (006-01) and the existing 10,000-gallon diesel storage tank (006-02) to the facility's permit. The proposed units were manufactured and installed in 1995. These changes were approved under the NSR permit, R13-1843D.

Emissions Summary

This modification results in the following emission changes:

Pollutant	Change in Potential Emissions (+ or -), TPY
PM	+0.13
PM ₁₀	+0.13
SO ₂	+0.12
NO _x	+1.81
CO	+0.39
VOC	+0.14

Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit 186.06 tpy of CO, 209.86 tpy of NO_x, 234.54 tpy of VOC, 54.62 tpy of Methanol, and 12.2 tpy of MDI. 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, Weyerhaeuser Company 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:	45CSR13	NSR Permits
	45CSR30	Operating permit requirement.
	45CSR34	Emission Standards for Hazardous Air Pollutants
	40 C.F.R. Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
State Only:	None.	

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

The active permits/consent orders affected by this modification are as follows:

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit (<i>if any</i>)
R13-1843D	May 1, 2023	

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 as part of this significant modification.

1.1 Emission Units

- Added the Fire Water Pump Group 006 with the following equipment: diesel emergency fire water pump engine (006-01) and diesel storage tank (006-02).

2.0 General Conditions

- Updated condition 2.1.3 due to changes to 45CSR30 effective on March 31, 2023.
- Updated citation of condition 2.11.4.
- Removed and reserved section 2.17 due to changes to 45CSR30 effective on March 31, 2023.
- Removed citation of 45CSR38 from condition 2.22.1 since 45CSR38 has been repealed.

3.0 Facility-Wide Requirements

- Added R13 conditions to the citations of conditions 3.4.1, 3.4.4., and 3.4.5 to account for conditions that were added to R13-1843D.
- Updated US EPA's address in condition 3.5.3.
- Updated condition 3.5.4. due to changes to 45CSR30 effective on March 31, 2023.
- Removed and reserved condition 3.5.7. due to changes to 45CSR30 effective on March 31, 2023.
- Removed and reserved condition 3.5.8.a.1. due to changes to 45CSR30 effective on March 31, 2023.

4.0 Furnace Group 001

- Removed and reserved conditions 4.1.13 and 4.1.14. These conditions are no longer applicable at the facility. The permittee does not burn washwater waste, waste oils, or adsorbent material saturated with such oils in the furnace and therefore they were removed in R13-1843D.

- Removed and reserved conditions 4.4.7.b and 4.4.7.c since they were monitoring requirements to demonstrate compliance with 4.1.13 and 4.1.14.

8.0 Source Specific Requirements [emission point ID(s): PumpEng1]

- Section 8.0 was added to incorporate the applicable requirements from R13-1843D and 40 C.F.R. 63 Subpart ZZZZ for the diesel emergency fire water pump engine (006-01). The engine is an existing, emergency, compression ignition RICE, less than or equal to 500 horsepower, located at a major source of HAP emissions.

Non-Applicability Determinations

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

- **40 CFR 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.**

Per §60.110b, the affected facility is each storage vessel with a capacity greater than or equal to 75 cubic meters (19,812.9 US liquid gallons) that is used to store volatile organic liquids (VOL) for which construction, reconstruction, or modification commenced after July 23, 1984.

The tank is 10,000 gallons and as such its volume/capacity is too small to be an affected facility.

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 7, 2023
Ending Date: July 7, 2023

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
304/926-0499 ext. 41286
Robert.A.Mullins@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.