

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 January 3, 2018

Permit Number: **R30-10900013-2018**
Application Received: **June 7, 2018**
Plant Identification Number: **03-54-109-00013**
Permittee: **Kepler Processing Company, LLC**
Facility Name: **Pocahontas No. 51 Preparation Plant**
Mailing Address: **P.O. Box 1392, Pineville, WV 24874**

Permit Action Number: *MM01* Revised: *July 29, 2019*

Physical Location: Pineville, Wyoming County, West Virginia
UTM Coordinates: 449.67 km Easting • 4158.67 km Northing • Zone 17
Directions: From Pineville, WV, travel west on WV State Route 97 approximately
three (3) miles. Facility is adjacent to Route 97.

Facility Description

The Pocahontas No. 51 Preparation Plant is a coal preparation plant with thermal dryer. It operates under SIC Code 1221 and has the ability to screen, break/size, wash, thermally dry, store, and load out/in coal. The maximum capacity of the preparation plant is 1,000 tons per hour of raw coal feed.

The proposed Title V Minor Modification (MM01) incorporates changes associated with the Permit R13-2104I to streamline the movement of coal and refuse which includes the addition of coal conveyor belts to directly supply coal from "mouth of mine" to the facility; to increase the capacity of the raw stockpile; to reduce the truck traffic for raw coal delivery; and for the removal of existing equipment.

Emissions Summary

The change in emissions as a result of this modification is as follows:

Plantwide Emissions Summary [Tons per Year]	
Pollutants	Potential Emissions
PM _{2.5}	5.39 Decrease
PM ₁₀	17.18 Decrease
Total PM	55.47 Decrease

Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit 136 tons per year of CO, 221 tons per year of NO_x, 133 tons per year of PM₁₀, 249 tons per year SO₂, 149 tons per year of VOC and 26.28 tons per year of Hydrochloric Acid. 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, Kepler Processing Company, LLC's Pocahontas No. 51 Preparation Plant 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:	45CSR5	Operation of Coal Preparation Plants
	45CSR13	Permits for Construction, Modification, Relocation and Operation of Stationary Sources
	45CSR16	Standards of Performance for New Stationary Sources Pursuant to 40 CFR Part 60
	45CSR30	Operating permit requirement.
	40 C.F.R. Part 60 Subpart Y	Standards of Performance for Coal Preparation Plants

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 (if any)
R13-2104I	April 9, 2019	

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 permit modification incorporates the modified R13-2104I permit to streamline the movement of coal and refuse which includes the addition of coal conveyor belts to directly supply coal from "mouth of mine" to the facility; to increase the capacity of the raw stockpile; to reduce the truck traffic for raw coal delivery; and for the removal of existing equipment.

1) Title V Boilerplate changes

- **Condition 3.5.3.** – Updated address for USEPA.

2) Condition 1.1. - Emission Units Table – Updated the table to add four conveyor belts from the two mines; Increased the capacity of storage pile OS1 and decreased capacity of screen SC2; Updated transfer points; Updated descriptions of various equipment; and Removed various pieces of equipment and stockpiles.

3) Condition 3.1.11. – Updated to R13-2104I language.

4) Section 4.0

- Section description – Revised to include conveyors C-24, C-25, C-26 and C-27 and to remove breaker RB1, refuse stockpile piles OS3 and OS5, lime stockpile OS3, bin B8 and conveyors C-3, C-8, C-19 and C-21.
- Condition 4.1.1. Table – Added conveyor C-24, C-25, C-26 and C-27, removed various equipment, updated various transfer points and updated capacity of screen SC2.
- Conditions 4.1.4., 4.1.5. and 4.4.5. - Added conveyors C-24, C-25, C-26 and C-27.
- Conditions 4.1.3, 4.1.4., 4.1.5., 4.4.5. - Removed conveyors C-3, C-8, C-19, C-21 and bin B8.
- Condition 4.1.6. – Refuse stockpiles OS3 and OS5 have been removed and no longer exist. Therefore, the existing requirements are no longer applicable. The existing requirements have been replaced with the requirements applicable to stockpile OS1 from 40 CFR §60.254(c) for open storage piles constructed or modified after May 27, 2009.
- Conditions 4.1.7. through 4.1.14. – These requirements were applicable to the refuse stockpiles OS3 and OS5 that have been removed and no longer exist. Therefore, these permit conditions have been deleted.
- Condition 4.3.1. - Added 4.1.4. in the first sentence.
- Conditions 4.3.6., 4.3.7., 4.3.8. and 4.3.9. – Revised the citation of authority to match the change in the R13-2104I in which the R13-2104G requirements of 4.3.8. were moved to 4.3.5. As a result, the permit conditions 4.3.5., 4.3.6. and 4.3.7 became 4.3.6., 4.3.7, and 4.3.8 in R13-2104I.
- Condition 4.4.5. - Added "45CSR13 - Permit R13-2104-§4.4.6." in the citation of authority. Although 40 CFR §§60.258(a)(7) - (10) are included in R13-2104I §4.4.6., they have not been added in the Title V permit. These requirements pertain to control equipment not associated with the conveyor belts, screens, bins or storage areas at the facility. The thermal dryer is equipped with control devices, however, it commenced construction in 1968 and is therefore not subject to Subpart Y.

5) Appendices - Updated the forms to match those in R13-2104I

Non-Applicability Determinations

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

40 CFR Part 64 None of the equipment associated with this modification use a control device to achieve compliance with any emission limitation or standard. Furthermore, CAM review is not required for a minor modification. Therefore, CAM is not applicable

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:

Frederick Tipane
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: 304/926-0499 ext. 1215 • Fax: 304/926-0478
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.