

Fact Sheet



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

Permit Number: **R30-10900013-2018**
Application Received: **January 23, 2017**
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**

Revised: NA

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.

Emissions Summary

Plantwide Emissions Summary [Tons per Year]		
Regulated Pollutants	Potential Emissions	2016 Actual Emissions
Carbon Monoxide (CO)	135.73	17.77
Nitrogen Oxides (NO _x)	221.36	61.13
Particulate Matter (PM _{2.5})	58.00	17.82
Particulate Matter (PM ₁₀)	150.31	49.28
Total Particulate Matter (TSP)	480.22	120.00
Sulfur Dioxide (SO ₂)	249.00	37.41
Volatile Organic Compounds (VOC)	149.02	41.10

PM₁₀ is a component of TSP.

Hazardous Air Pollutants	Potential Emissions	2016 Actual Emissions
Hydrochloric Acid	26.28	3.40
Other Miscellaneous HAPs	3.56	0.60

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

Title V Program Applicability Basis

This facility has the potential to emit 136 tons per year of CO, 221 tons per year of NO_x, 150 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.

This facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR5	Operation of Coal Preparation Plants
	45CSR6	Open burning prohibited.
	45CSR10	Control of Sulfur Dioxide Emissions from Indirect Heat Exchangers
	45CSR11	Standby plans for emergency episodes.
	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

	WV Code § 22-5-4 (a) (14)	The Secretary can request any pertinent information such as annual emission inventory reporting.
	45CSR30	Operating permit requirement.
	40 C.F.R. Part 60 Subpart Y	Standards of Performance for Coal Preparation Plants
	40 C.F.R. Part 61	Asbestos inspection and removal
	40 C.F.R. Part 64	Compliance Assurance Monitoring
	40 C.F.R. Part 82, Subpart F	Ozone depleting substances
State Only:	45CSR4	No objectionable odors.

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>
R13-2104G	March 17, 2014	

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 July 24, 2012 and modified on November 19, 2013 and July 22, 2014. Significant changes to the most recent version of the Title V Permit consist of the following:

- 1) **Title V Boilerplate changes**
 - **Conditions 3.5.3., 3.5.5. and 3.5.6.** - These conditions were revised to require electronic submittal of the Title V compliance certifications (annual and semi-annual), self-monitoring reports (MACT, GACT, NSPS, etc.), stack tests and protocols to the WV DAQ.
- 2) **Condition 1.1. - Emission Units Table** – Removed T18 as an emission point from emission unit C-9. According to the flow diagram T18 is associated with conveyor C-21 and stockpile OS5 It is not associated with conveyor C-9.
- 3) **Condition 4.3.8.a.** – This requirement was from 40 CFR §60.255(h)(1) for an initial performance test and is obsolete. Therefore, it has not been included in the renewal permit. A “note” explaining

the exclusion has been added to the requirement. Also, the citation of authority has been revised to remove 40 CFR §60.255(h)(1).

- 4) **Condition 4.5.6.** – This condition was for reporting of the initial performance tests results associated with condition 4.3.8.a. (see above) and is therefore obsolete and not included in the renewal permit.
- 5) **Condition 5.1.2.** – This condition was marked as “Reserved” and therefore has been deleted. The subsequent conditions have been renumbered.
- 6) **Condition 5.3.3.** – The latest test to determine compliance with the particulate matter (PM) emission limit of 0.12 gr/DSCF was performed on June 21, 2017. The results of the test indicated PM emissions of 0.043 gr/DSCF which is less than 50% of the PM limit. The previous test schedule based on 2014 stack test results was established as a “Once/3 years” test cycle. Therefore, since this test result is the first of two successive test results of less than or equal to 50% of the PM limit, according to the schedule set forth in the frequency of testing table of this permit condition, the frequency of testing remains as “Once/3years.” The next PM stack test shall be conducted no later than June 21, 2020.

Non-Applicability Determinations

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

- a. 45CSR19 (Non-attainment NSR) - Not located in a non-attainment area or will not contribute to a violation of section.
- b. 45CSR27 (Toxic air pollutants - BAT) – does not meet definition of chemical processing unit.
- c. 45CSR28 (Emission Trading and Banking) - not involved in this program.
- d. Section 112 (Hazardous Air Pollutants) - no MACT standard has been promulgated for thermal dryers.
- e. Section 129 (Solid waste combustion) - facility does not combust solid waste.
- f. Section 183(f) (Tank vessel standards) - no tanks/vessels utilized at this facility.
- g. Section 183 (e) - facility is not a regulated entity as defined by Section 183 (e)(C).
- h. NAAQS increments or visibility (temp. sources) – facility has no temporary sources.
- i. Federal Implementation Plan (FIP) - none in place
- j. Title IV of the CAA (Acid Rain) - not an EGU.

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: November 15, 2017
Ending Date: December 15, 2017

Point of Contact

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

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West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304
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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)

The Draft/Proposed Permit was issued under permit Number R30-10900013-2017. Since USEPA's proposed comment period ended on January 2, 2018 and the permit was not issued in 2017, the permit number has been changed to coincide with the year of issuance. The final issued permit number is R30-10900013-2018.