WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF AIR QUALITY

601 57th Street SE

Charleston, WV 25304

Phone: (304) 926-0475

www.dep.wv.gov/daq

INITIAL/RENEWAL TITLE V PERMIT APPLICATION - GENERAL FORMS

Section 1: General Information

1. **Name of Applicant (As registered with the WV Secretary of State's Office):** Longview Power, LLC	**2. Facility Name or Location:** Longview Power Plant
3. DAQ Plant ID No.: 03-54-061-00134	**4. Federal Employer ID No. (FEIN):** 04-3561860

5. **Permit Application Type:**

☐ Initial Permit — When did operations commence? 05/06/2011

☒ Permit Renewal — What is the expiration date of the existing permit? 05/14/2018

☐ Update to Initial/Renewal Permit Application

6. Type of Business Entity:

☐ Corporation ☐ Governmental Agency ☒ LLC

☐ Partnership ☐ Limited Partnership

7. Is the Applicant the:

☐ Owner ☐ Operator ☒ Both

If the Applicant is not both the owner and operator, please provide the name and address of the other party.

_____

_____

_____

8. Number of onsite employees:

Approx 100

9. Governmental Code:

☒ Privately owned and operated; 0

☐ Federally owned and operated; 1

☐ State government owned and operated; 2

☐ County government owned and operated; 3

☐ Municipality government owned and operated; 4

☐ District government owned and operated; 5

10. Business Confidentiality Claims

Does this application include confidential information (per 45CSR31)? ☐ Yes ☒ No

If yes, identify each segment of information on each page that is submitted as confidential, and provide justification for each segment claimed confidential, including the criteria under 45CSR§31-4.1, and in accordance with the DAQ's *"PRECAUTIONARY NOTICE-CLAIMS OF CONFIDENTIALITY"* guidance.

11. Mailing Address		
Street or P.O. Box: 1375 Fort Martin Road		
City: Maidsville	**State:** WV	**Zip:** 26541
Telephone Number: (304) 599-0930 x2204	**Fax Number:** (304) 599-3829	

12. Facility Location		
Street: 1375 Fort Martin Road	**City:** Maidsville	**County:** Monongalia
UTM Easting: 589.2 km	**UTM Northing:** 4395.7 km	**Zone:** ☒ 17 or ☐ 18
Directions: From Morgantown, take WV Route 19 West to Route 100 North to Route 53 (Fort Martin Road). Proceed 5.4 miles. Turn left into Gate 2. Proceed to security.		
Portable Source? ☐ Yes ☒ No		
Is facility located within a nonattainment area? ☐ Yes ☒ No		**If yes, for what air pollutants?**
Is facility located within 50 miles of another state? ☒ Yes ☐ No		**If yes, name the affected state(s).** Pennsylvania Maryland
Is facility located within 100 km of a Class I Area[1]? ☒ Yes ☐ No **If no, do emissions impact a Class I Area[1]?** ☐ Yes ☐ No		**If yes, name the area(s).** Dolly Sods Wilderness Area Otter Creek Wilderness Area

[1] *Class I areas include Dolly Sods and Otter Creek Wilderness Areas in West Virginia, and Shenandoah National Park and James River Face Wilderness Area in Virginia.*

13. Contact Information		
Responsible Official: Stephen Nelson		**Title:** Chief Operating Officer
Street or P.O. Box: 1375 Fort Martin Road		
City: Maidsville	**State:** WV	**Zip: 26541**
Telephone Number: (304) 599-0930 x 3054	**Fax Number:** (304) 599-3829	
E-mail address: snelson@longviewpower.net		
Environmental Contact: Joseph R. Douglass		**Title:** Asset & Environmental Director
Street or P.O. Box: 1375 Fort Martin Road		
City: Maidsville	**State:**WV	**Zip:** 26541
Telephone Number: (302) 599-0930 x 2204	**Fax Number:** (304) 599-3829	
E-mail address: jdouglass@longviewpower.net		
Application Preparer: Joseph R. Douglass		**Title:** Asset & Environmental Director
Company: Longview Power, LLC		
Street or P.O. Box: 1375 Fort Martin Road		
City: Maidsville	**State:**WV	**Zip:** 26541
Telephone Number: (302) 599-0930 x 2204	**Fax Number:** (304) 599-3829	
E-mail address: jdouglass@longviewpower.net		

14. Facility Description

List all processes, products, NAICS and SIC codes for normal operation, in order of priority. Also list any process, products, NAICS and SIC codes associated with any alternative operating scenarios if different from those listed for normal operation.

Process	Products	NAICS	SIC
Electric Power Generation	Electricity	221112	49119902

Provide a general description of operations.

The Longview Power Plant is an electric generating unit with a 6,114 MMBtu/hr supercritical pulverized coal-fired steam generator and a natural gas fired auxiliary boiler, with associated equipment including coal, limestone, and ash handling, cooling tower, an emergency generator, and a fire pump.

15. Provide an **Area Map** showing plant location as **ATTACHMENT A**.

16. Provide a **Plot Plan(s)**, e.g. scaled map(s) and/or sketch(es) showing the location of the property on which the stationary source(s) is located as **ATTACHMENT B**. For instructions, refer to "Plot Plan - Guidelines."

17. Provide a detailed **Process Flow Diagram(s)** showing each process or emissions unit as **ATTACHMENT C**. Process Flow Diagrams should show all emission units, control equipment, emission points, and their relationships.

Section 2: Applicable Requirements

18. Applicable Requirements Summary	
Instructions: Mark all applicable requirements.	
☒ SIP	☒ FIP
☒ Minor source NSR (45CSR13)	☒ PSD (45CSR14)
☒ NESHAP (45CSR15)	☐ Nonattainment NSR (45CSR19)
☒ Section 111 NSPS	☒ Section 112(d) MACT standards
☐ Section 112(g) Case-by-case MACT	☐ 112(r) RMP
☐ Section 112(i) Early reduction of HAP	☒ Consumer/commercial prod. reqts., section 183(e)
☐ Section 129 Standards/Reqts.	☒ Stratospheric ozone (Title VI)
☐ Tank vessel reqt., section 183(f)	☒ Emissions cap 45CSR§30-2.6.1
☐ NAAQS, increments or visibility (temp. sources)	☐ 45CSR27 State enforceable only rule
☒ 45CSR4 State enforceable only rule	☒ Acid Rain (Title IV, 45CSR33)
☒ Emissions Trading and Banking (45CSR28)	☒ **C**ompliance **A**ssurance **M**onitoring (40CFR64)
☒ CAIR NO_x Annual Trading Program (45CSR39) **CAIR replaced by CSAPR**	☒ CAIR NO_x Ozone Season Trading Program (45CSR40) **CAIR replaced by CSAPR**
☒ CAIR SO_2 Trading Program (45CSR41) **CAIR replaced by CSAPR**	

19. Non Applicability Determinations
List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies. **Nonattainment NSR (45CSR19)**-Not located in a non-attainment area or will not contribute to a violation of section 107 of the CAA. **Section 112(g) Case-by-Case MACT -** Facility is an area source of HAPs. **Section 112(r) RMP –** Facility does not have any chemicals in quantities subject to RMP requirements. **Section 129** Standards and Requirements – facility does not combust solid waste. **Section 183** (tank vessel requirement) – no affected tanks/vessels utilized at this facility. **Emissions cap 45CSR§30-2.6.l –** Facility is not subject to an emissions cap under this rule. **NAAQS increments or visibility** (temp. sources) – no temporary sources
☒ Permit Shield

19. Non Applicability Determinations *(Continued)* - *Attach additional pages as necessary.*

List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies.

NO_x Budget Trading Program Non-EGU's (45CSR1) – Facility is an EGU

Section 183 (e) – facility is not a regulated entity as defined by Section 183 (e)(C).

Statospheric Ozone (Title VI) – does not emit any of the listed pollutants.

45CSR27 – does not meet definition of chemical processing unit.

☒ Permit Shield

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*).

As provided in permit # R14-0024F:

3.1. Limitations and Standards

3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
[45CSR§6-3.1.]

3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]

3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management, and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40CFR§61.145(b) and 45CSR§34]

3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1] ***[State Enforceable Only]***

3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]

3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11.
[45CSR§11-5.2.]

3.1.7. For the purposes of mitigating acid deposition and visibility impacts into the Dolly Sods Wilderness Area, James River Face Wilderness Area, Otter Creek Wilderness Area, and Shenandoah National Park, (collectively the Class I Areas), the permittee shall obtain and permanently retire sulfur dioxide allowances in accordance with the following.

a. The required number of sulfur dioxide allowances for the respective calendar year shall be determined by the actual sulfur dioxide emission, in tons, emitted from the PC boiler during

each calendar year plus 10% and multiplied by the corresponding offset ratio as defined in paragraph b of this condition.

b. Acceptable sulfur dioxide allowances under this condition shall be from facilities that were allocated sulfur dioxide allowances under 40 CFR 73 and that are located within one of the five quadrants as defined in the following table:

Quadrant	Northeast	Northwest	Southeast	Southwest	Western Area
Offset Ratio	1:4	1:1	1:4	1:1	1:1
	Longitude/ Latitude	Longitude/ Latitude	Longitude/ Latitude	Longitude/ Latitude	Longitude/Latitude
Northeast Corner	-77.528845/ 40.100689	-79.312228/ 40.119496	-77.73267/ 38.570665	-79.338651/ 38.603830	-80.555/39.0836
Northwest Corner	-79.312228/ 40.119496	-80.555022/ 40.151887	-79.338651/ 38.603830	-80.944637/ 38.628678	-82.1306/39.0836
Southeast Corner	-77.73267/ 38.570665	-79.338651/ 38.603830	-77.671583/ 37.077938	-79393612/ 37.088164	-80.555/38.1983
Southwest Corner	-79.338651/ 38.603830	-80.944637/ 38.628678	-79393612/ 37.088164	-80.573361/ 37.123911	-82.1306/38.1983

c. The vintage year of the allowances shall correspond to the calendar year that is being mitigated.

d. The permittee shall transfer these allowances into an account in the Allowance Tracking System administered by with U.S. EPA for the Acid Rain Program, to be identified by the Director. These retired allowances can never be used to meet any compliance requirement under the Clean Air Act or any State Implementation Plan

e. The permittee shall submit a report to the Director no later than 60 days after the end of each calendar year, which shall contain the amount of sulfur dioxide emitted; the amount, facility, location of facility, vintage year of allowances retired, proof that allowances have been transferred into account identified by the Director and any applicable serial or other identification associated with the retired allowances.

At any time, but after at least 30 days notice to the public and the Federal Land Managers the Director may approve an alternative mitigation plan in lieu of this condition. At a minimum, such a plan shall result in actual sulfur dioxide reductions from an existing stationary source(s) within one of the four quadrants as defined in b of this condition of at least 2,142 tons per year multiplied by the corresponding offset ratio. Such reductions must be practically enforceable, permanent, and quantifiable, and must be created after March 2, 2004. The reductions must result in the same or greater reduction in acid deposition and visibility impacts to the Class I Areas as the purchase of allowances as set forth in items a through e of this condition.

3.1.8. Notwithstanding the specific emission limits of Hazardous Air Pollutants (HAPs) in this permit

the facility wide total emissions to the atmosphere of HAPs as defined by Section 112(b) of the 1990 Clean Air Act Amendments shall be less than 10 TPY of any single HAP and less than 25 TPY of combined total of HAPs from the facility.

a. The permittee shall on a monthly basis determine and keep record of the total amount of HAPs emitted from the facility during the past year on a rolling 12-month total basis. Records of this determination shall be on an individual HAP basis and summing the total amount of HAP emitted during the previous 12-months. All records used to determine the amount of HAPs emitted must include but not be limited to sample calculations and collected data (i.e. fuel consumption, hours operated).

3.1.9. Fugitive dust control measures as proposed in Permit Applications R14-0024 shall be installed, maintained, and operated in such a manner as to minimize dust generation and atmospheric entrainment pursuant to Section 5 of 45 CSR 2. Such measures shall include, but not be limited to, the following:

a. Water spray systems for the purpose of fugitive particulate dust control shall be designed, installed, operated, and maintained to minimize the generation of fugitive particulate emissions from the wind erosion of stockpiles.

A properly designed, installed, and maintained winterization system on each of the water spray systems shall be in place to functionally maintain all fugitive particulate dust control during periods when ambient temperature falls to or below 32 degrees Fahrenheit.

b. The permittee shall maintain a fixed water spray system and/or a water truck on site at the facility and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as necessary to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from haul roads and other work areas where mobile equipment is used.

The spray bar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the surface being treated.

The pump delivering the water or solution shall be of sufficient size and capacity to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure.

c. The permittee shall maintain and operate as needed to minimize fugitive particulate matter from haul roads a street sweeper or other mobile equipment designed to remove debris (road dust) from paved plant roads. This activity shall be conducted daily to minimize fugitive particulate matter from paved plant roadways.

d. All belt conveyors shall be at a minimum partially enclosed.

3.1.10. All roadways at the permitted facility shall be paved, and maintained in such a way to minimize fugitive particulate matter emissions.

3.1.11. The permittee shall construct and maintain an industrial fence around this permitted facility as defined in the March 3, 2003 submittal of the Air Quality Modeling Analysis Report. This industrial fence shall be constructed in such a manner to reasonably prevent the public from accessing this permitted facility.

☒ Permit Shield

20. Facility-Wide Applicable Requirements *(Continued)* - *Attach additional pages as necessary.*

For all facility-wide applicable requirements listed above, provide monitoring/testing/recordkeeping/ reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

As provided in permit # R14-0024F:

3.2. Monitoring Requirements

3.2.1 For the purpose of condition is establish a standard method in conducting visible emission checks as required for this permit, these checks shall be conducted in accordance with the following:

The visible emission check shall determine the presence or absence of visible emissions. At a minimum, the observer must be trained and knowledgeable regarding the effects of background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor) on the visibility of emissions. This training may be obtained from written materials found in the References 1 and 2 from 40 CFR Part 60, Appendix A, Method 22, or from the lecture portion of the 40 CFR Part 60, Appendix A, Method 9 certification course.

Visible emission checks shall be conducted at least once per calendar month with a maximum of forty-five (45) days between consecutive readings. These checks shall be performed at each source (stack, transfer point, fugitive emission source, etc.) for a sufficient time interval, but no less than one (1) minute, to determine if any visible emissions are present. Visible emission checks shall be performed during periods of normal facility operations and appropriate weather conditions.

If visible emissions are present at a source(s) for three (3) consecutive monthly checks, the permittee shall conduct an opacity reading at that source(s) using the procedures and requirements of Method 9 and any other applicable –procedure as outlined in Testing Requirements Subsection for that particular emission source in this permit as soon as practicable, but within seventy-two (72) hours of the final emission check. A Method 9 observation at a source(s) restarts the count of the number of consecutive readings with the presence of visible emissions.

3.3. Testing Requirements

3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

a. The Secretary may on a source-specific basis approve or specify additional testing or

alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.

b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.

c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.

d. The permittee shall submit a report of the results of the stack test within sixty (60) days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1.; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the compliance status evaluation. The summary of conditions shall include the following:

1. The permit or rule evaluated, with the citation number and language;
2. The result of the test for each permit or rule condition; and,
3. A statement of compliance or noncompliance with each permit or rule condition.

[WV Code § 22-5-4(a)(14-15) and 45CSR13]

3.4. Recordkeeping Requirements

3.4.1. **Retention of records.** The permittee shall maintain records of all information (including monitoring data, support information, reports, and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

3.4.2. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor

complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.
[45CSR§4. *State Enforceable Only.*]

3.5. Reporting Requirements

3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.

3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:
Director
WVDEP
Division of Air Quality
601 57th Street
Charleston, WV 25304-2345

If to the US EPA:
Associate Director
Office of Air Enforcement and Compliance Assistance
(3AP20)
U.S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

3.5.4. Operating Fee

3.5.4.1. In accordance with 45CSR30 – Operating Permit Program, the permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

3.5.5. **Emission inventory.** At such time(s) as the Secretary may designate, the permittee herein shall prepare and submit an emission inventory for the previous year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Division of Air Quality. After the initial submittal, the Secretary may, based upon the type and quantity of the pollutants emitted, establish a frequency other than on an annual basis.

Are you in compliance with all facility-wide applicable requirements? ☒ Yes ☐ No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

21. Active Permits/Consent Orders		
Permit or Consent Order Number	Date of Issuance MM/DD/YYYY	List any Permit Determinations that Affect the Permit *(if any)*
R14-0024F	07/01/2016	PD14-040, PD14-142
R33-56671-2018-2	12/17/2013	none
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Section 3: Facility-Wide Emissions

23. Facility-Wide Emissions Summary [Tons per Year]	
Criteria Pollutants	Potential Emissions
Carbon Monoxide (CO)	2954
Nitrogen Oxides (NO_X)	1755
Lead (Pb)	0.068
Particulate Matter ($PM_{2.5}$)[1]	207
Particulate Matter (PM_{10})[1]	422
Total Particulate Matter (TSP)	445
Sulfur Dioxide (SO_2)	2418
Volatile Organic Compounds (VOC)	97
Hazardous Air Pollutants[2]	Potential Emissions
PAH HAPS	
Acenapthene	6.52E-04
Acenaphthylene	3.22E-04
Anthracene	2.69E-04
Benz(a)anthracene	1.03E-04
Benzo(a)pyrene	4.90E-05
Benzo(b)fluoroanthene	1.41E-04
Benzo(g,h,i)perylene	3.51E-05
Benzo(k)fluoranthene	7.89E-07
Chrysene	1.29E-04
Dibenzo(a,h)anthracene	6.17E-07
7,12-Demethylbenz(a)anthracene	6.48E-06
Fluoranthene	9.08E-04
Fluorene	1.17E-03
Indeno(1,2,3-cd)pyrene	7.86E-05
2 Methylnaphthalene	9.72E-06
3 Methylchloranthrene	7.29E-07
5-methyl chrysene	2.81E-05

Naphthalene	1.69E-02
Phenanthrene	3.46E-03
Pyrene	4.24E-04
VOC HAPS	
Acetaldehyde	7.27E-01
Acetophenone	1.91E-02
Acrolein	3.70E-01
Benzene	1.66E+00
Benzyl chloride	8.93E-01
Biphenyl	2.17E-03
Bis(2-ethylhexyl)phthalate (DEHP)	9.31E-02
Bromoform	4.97E-02
1,3 Butadiene	4.01E-06
Carbon disulfide	1.66E-01
2-Chloroacetophenone	8.93E-03
Chlorobenzene	2.81E-02
Chloroform	7.52E-02
Cumene	6.76E-03
Dichlorobenzene	4.86E-04
2,4-Dinitroluene	3.57E-04
Dimethyl sulfate	6.12E-02
Ethyl benzene	1.20E-01
Ethyl chloride	5.36E-02
Ethylene dichloride	5.10E-02
Etyhlene dibromide	1.53E-03
Formaldehyde	3.37E-01
Hexane	8.14E-01
Isophorone	7.40E-01
Methyl bromide	2.04E-01
Methyl chloride	6.76E-01

Methyl hydrazine	2.17E-01
Methyl methacrylate	2.55E-02
Methyl tert butyl ether	4.46E-02
Methylene chloride	3.70E-01
Phenol	2.04E-02
Propionaldehyde	4.85E-01
Styrene	3.19E-02
Tetrachloroethylene	5.48E-02
Toluene	3.08E-01
Xylenes	4.73E-02
Vinyl acetate	9.69E-03
Metal HAPS	
Antimony	2.30E-02
Arsenic	6.75E-02
Beryllium	6.75E-03
Cadmium	1.06E-02
Chromium	1.02E-01
Chromium VI	1.01E-01
Cobalt	2.70E-02
Lead	6.77E-02
Manganese	1.69E-01
Mercury	4.39E-02
Nickel	1.36E-01
Selenium	2.02E-01
Acid Gas HAPS	
Hydrofluoric Acid	1.28E+00
Hydrochloric Acid	4.46E+00
Hydrogen Cyanide	5.11E-01
Other HAPS	
Total PCDD and PCDF	2.18E-09

Regulated Pollutants other than Criteria and HAP	Potential Emissions
Sulfuric Acid Mist (H2SO4)	201

[1]$PM_{2.5}$ and PM_{10} are components of TSP.
[2]For HAPs that are also considered PM or VOCs, emissions should be included in both the HAPs section and the Criteria Pollutants section.

Section 4: Insignificant Activities

24. Insignificant Activities (Check all that apply)		
☒	1.	Air compressors and pneumatically operated equipment, including hand tools.
☒	2.	Air contaminant detectors or recorders, combustion controllers or shutoffs.
☒	3.	Any consumer product used in the same manner as in normal consumer use, provided the use results in a duration and frequency of exposure which are not greater than those experienced by consumer, and which may include, but not be limited to, personal use items; janitorial cleaning supplies, office supplies and supplies to maintain copying equipment.
☒	4.	Bathroom/toilet vent emissions.
☒	5.	Batteries and battery charging stations, except at battery manufacturing plants.
☒	6.	Bench-scale laboratory equipment used for physical or chemical analysis, but not lab fume hoods or vents. Many lab fume hoods or vents might qualify for treatment as insignificant (depending on the applicable SIP) or be grouped together for purposes of description.
☐	7.	Blacksmith forges.
☒	8.	Boiler water treatment operations, not including cooling towers.
☒	9.	Brazing, soldering or welding equipment used as an auxiliary to the principal equipment at the source.
☐	10.	CO_2 lasers, used only on metals and other materials which do not emit HAP in the process.
☒	11.	Combustion emissions from propulsion of mobile sources, except for vessel emissions from Outer Continental Shelf sources.
☒	12.	Combustion units designed and used exclusively for comfort heating that use liquid petroleum gas or natural gas as fuel.
☒	13.	Comfort air conditioning or ventilation systems not used to remove air contaminants generated by or released from specific units of equipment.
☒	14.	Demineralized water tanks and demineralizer vents.
☐	15.	Drop hammers or hydraulic presses for forging or metalworking.
☐	16.	Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam.
☐	17.	Emergency (backup) electrical generators at residential locations.
☒	18.	Emergency road flares.

24. Insignificant Activities (Check all that apply)		
☐	19.	Emission units which do not have any applicable requirements and which emit criteria pollutants (CO, NO_x, SO_2, VOC and PM) into the atmosphere at a rate of less than 1 pound per hour and less than 10,000 pounds per year aggregate total for each criteria pollutant from all emission units. Please specify all emission units for which this exemption applies along with the quantity of criteria pollutants emitted on an hourly and annual basis: _____ _____ _____ _____ _____ _____ _____ _____ _____
☐	20.	Emission units which do not have any applicable requirements and which emit hazardous air pollutants into the atmosphere at a rate of less than 0.1 pounds per hour and less than 1,000 pounds per year aggregate total for all HAPs from all emission sources. This limitation cannot be used for any source which emits dioxin/furans nor for toxic air pollutants as per 45CSR27. Please specify all emission units for which this exemption applies along with the quantity of hazardous air pollutants emitted on an hourly and annual basis: _____ _____ _____ _____ _____
☐	21.	Environmental chambers not using hazardous air pollutant (HAP) gases.
☐	22.	Equipment on the premises of industrial and manufacturing operations used solely for the purpose of preparing food for human consumption.
☐	23.	Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.
☒	24.	Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis.
☐	25.	Equipment used for surface coating, painting, dipping or spray operations, except those that will emit VOC or HAP.
☒	26.	Fire suppression systems.
☒	27.	Firefighting equipment and the equipment used to train firefighters.
☐	28.	Flares used solely to indicate danger to the public.
☒	29.	Fugitive emission related to movement of passenger vehicle provided the emissions are not counted for applicability purposes and any required fugitive dust control plan or its equivalent is submitted.
☐	30.	Hand-held applicator equipment for hot melt adhesives with no VOC in the adhesive formulation.
☒	31.	Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning or machining

24. Insignificant Activities (Check all that apply)		
		wood, metal or plastic.
☐	32.	Humidity chambers.
☐	33.	Hydraulic and hydrostatic testing equipment.
☐	34.	Indoor or outdoor kerosene heaters.
☒	35.	Internal combustion engines used for landscaping purposes.
☐	36.	Laser trimmers using dust collection to prevent fugitive emissions.
☐	37.	Laundry activities, except for dry-cleaning and steam boilers.
☐	38.	Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.
☐	39.	Oxygen scavenging (de-aeration) of water.
☐	40.	Ozone generators.
☒	41.	Plant maintenance and upkeep activities (e.g., grounds-keeping, general repairs, cleaning, painting, welding, plumbing, re-tarring roofs, installing insulation, and paving parking lots) provided these activities are not conducted as part of a manufacturing process, are not related to the source's primary business activity, and not otherwise triggering a permit modification. (Cleaning and painting activities qualify if they are not subject to VOC or HAP control requirements. Asphalt batch plant owners/operators must still get a permit if otherwise requested.)
☐	42.	Portable electrical generators that can be moved by hand from one location to another. "Moved by Hand" means that it can be moved without the assistance of any motorized or non-motorized vehicle, conveyance, or device.
☒	43.	Process water filtration systems and demineralizers.
☒	44.	Repair or maintenance shop activities not related to the source's primary business activity, not including emissions from surface coating or de-greasing (solvent metal cleaning) activities, and not otherwise triggering a permit modification.
☒	45.	Repairs or maintenance where no structural repairs are made and where no new air pollutant emitting facilities are installed or modified.
☐	46.	Routing calibration and maintenance of laboratory equipment or other analytical instruments.
☐	47.	Salt baths using nonvolatile salts that do not result in emissions of any regulated air pollutants. Shock chambers.
☐	48.	Shock chambers.
☐	49.	Solar simulators.
☐	50.	Space heaters operating by direct heat transfer.
☐	51.	Steam cleaning operations.
☒	52.	Steam leaks.
☐	53.	Steam sterilizers.
☒	54.	Steam vents and safety relief valves.
☐	55.	Storage tanks, reservoirs, and pumping and handling equipment of any size containing soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized.
☒	56.	Storage tanks, vessels, and containers holding or storing liquid substances that will not emit any VOC or HAP. Exemptions for storage tanks containing petroleum liquids or other volatile organic liquids should be based on size limits such as storage tank capacity and vapor pressure of liquids stored and are not appropriate for this list.
☐	57.	Such other sources or activities as the Director may determine.
☒	58.	Tobacco smoking rooms and areas.

24. Insignificant Activities (Check all that apply)	
☒	59. Vents from continuous emissions monitors and other analyzers.

Section 5: Emission Units, Control Devices, and Emission Points

25. Equipment Table
Fill out the **Title V Equipment Table** and provide it as **ATTACHMENT D**.
26. Emission Units
For each emission unit listed in the **Title V Equipment Table**, fill out and provide an **Emission Unit Form** as **ATTACHMENT E**.
For each emission unit not in compliance with an applicable requirement, fill out a **Schedule of Compliance Form** as **ATTACHMENT F**.
27. Control Devices
For each control device listed in the **Title V Equipment Table**, fill out and provide an **Air Pollution Control Device Form** as **ATTACHMENT G**.
For any control device that is required on an emission unit in order to meet a standard or limitation for which the potential pre-control device emissions of an applicable regulated air pollutant is greater than or equal to the Title V Major Source Threshold Level, refer to the **Compliance Assurance Monitoring (CAM) Form(s)** for CAM applicability. Fill out and provide these forms, if applicable, for each Pollutant Specific Emission Unit (PSEU) as **ATTACHMENT H**.

Section 6: Certification of Information

28. Certification of Truth, Accuracy and Completeness and Certification of Compliance

*Note: This Certification must be signed by a responsible official. The **original**, signed in **blue ink**, must be submitted with the application. Applications without an **original** signed certification will be considered as incomplete.*

a. Certification of Truth, Accuracy and Completeness

I certify that I am a responsible official (as defined at 45CSR§30-2.38) and am accordingly authorized to make this submission on behalf of the owners or operators of the source described in this document and its attachments. I certify under penalty of law that I have personally examined and am familiar with the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine and/or imprisonment.

b. Compliance Certification

Except for requirements identified in the Title V Application for which compliance is not achieved, I, the undersigned hereby certify that, based on information and belief formed after reasonable inquiry, all air contaminant sources identified in this application are in compliance with all applicable requirements.

Responsible official (type or print)

Name: Stephen Nelson	Title: Chief Operating Officer

Responsible official's signature:

Signature: _____ Signature Date: June 9, 2017

(Must be signed and dated in blue ink)

Note: Please check all applicable attachments included with this permit application:

☒	ATTACHMENT A: Area Map
☒	ATTACHMENT B: Plot Plan(s)
☒	ATTACHMENT C: Process Flow Diagram(s)
☒	ATTACHMENT D: Equipment Table
☒	ATTACHMENT E: Emission Unit Form(s)
☐	ATTACHMENT F: Schedule of Compliance Form(s)
☒	ATTACHMENT G: Air Pollution Control Device Form(s)
☒	ATTACHMENT H: Compliance Assurance Monitoring (CAM) Form(s)

All of the required forms and additional information can be found and downloaded from, the DEP website at www.dep.wv.gov/daq, requested by phone (304) 926-0475, and/or obtained through the mail.