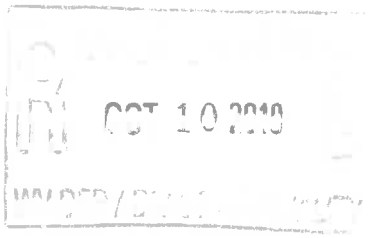
Transportation & Industrial
DuPont Washington Works
8480 DuPont Road, Bldg. 24
P.O. Box 2800
8480 DuPont Rd
Washington, WV 26181-2800

DUPONT



October 9, 2019

CERTIFIED MAIL 7015 3430 0001 1478 1978

Laura M. Crowder, Director
Division of Air Quality
West Virginia Department Environmental Protection
601 57th Street, S.E.
Charleston, WV 25304

RE: Title V Permit 10700001-2015 (Part 6 of 14) Renewal Application – DuPont Washington Works, Engineering Polymers (EPC) – East

Dear Ms. Crowder:

Accompanying this letter is the required Title V Renewal Application for the Engineering Polymers (EPC) – East (Part 6 of 14) for the DuPont Washington Works facility. The renewal application is based on the existing Title V Permit.

The application documents contain the required original signature in blue ink and two electronic copies of the permit application on thumb drive.

Should you have any questions about the documents, please contact the preparer of the package, Robert Keatley, at (304) 863-2803 or at Robert.L.Keatley@DuPont.com.

Very truly yours,

Ryan Birge
EHS Manager
DuPont Washington Works

Enclosure

CC: Carrie McCumbers, DAQ Title V Program Manager (email)

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):** DuPont Specialty Products USA, LLC	**2. Facility Name or Location:** DuPont Washington Works Washington, WV
3. DAQ Plant ID No.: 107 - 00001	**4. Federal Employer ID No. (FEIN):** 81-1224539

5. **Permit Application Type:**

☐ Initial Permit — When did operations commence? MM/DD/1940's
☒ Permit Renewal — What is the expiration date of the existing permit? 04/22/2020
☐ 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:

600

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: PO Box 2800		
City: Washington	**State:** WV	**Zip:** 26181-2800
Telephone Number: (304) 863-4240 (gate)	**Fax Number:** (304) 863-2190	

12. Facility Location		
Street: 8480 DuPont Road	**City:** Washington	**County:** Wood
UTM Easting: 442.368 km	**UTM Northing:** 4,346.679 km	**Zone:** ☒ 17 or ☐ 18
Directions: From I-77 take the Route 50 bypass (west) around Parkersburg towards Ohio. At the last exit prior to the bridge exit from the Route 50 bypass on to DuPont Road. At the light turn left on DuPont road. Approximately ½ mile from the turn you will see the Site on your right and be approaching the exit from the road for the main gate to the facility.		
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).** Ohio
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).**

[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: Gregory A. Westbrook		**Title:** Acting Plant Manager
Street or P.O. Box: PO Box 2800		
City: Washington	**State:** WV	**Zip:** 26181-2800
Telephone Number: (304) 863-2299	**Fax Number:** (304) 863-2190	
E-mail address: Greg.A.Westbrook@DuPont.com		
Environmental Contact: Ryan A. Birge		**Title:** EHS Manager
Street or P.O. Box: PO Box 2800		
City: Washington	**State:** WV	**Zip:** 26181-2800
Telephone Number: (304) 863-2463	**Fax Number:** (304) 863-2190	
E-mail address: Ryan.A.Birge@DuPont.com		
Application Preparer: Robert L. Keatley		**Title:** Senior EHS Consultant
Company: DuPont Specialty Products USA, LLC		
Street or P.O. Box: P.O. Box 2800		
City: Washington	**State:** WV	**Zip:** 26181-2800
Telephone Number: (304) 863-2803	**Fax Number:** (304) 863-2190	
E-mail address: Robert.L.Keatley@DuPont.com		

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
Chemical and Plastics Resins Mfg.	Thermoplastic Resins	325211	2821

Provide a general description of operations.

Polymer resins and ingredients are melt-compounded into a final pelletized product through an extrusion/cutting operation. Raw materials are received in individual packaging or in bulk and are then combined into a final product which can be subsequently shipped in bags, boxes drums or bulk containers.

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 (45CSR34)	☐ 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 NO_x Ozone Season Trading Program (45CSR40)
☐ CAIR SO_2 Trading Program (45CSR41)	

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.

a. 40 C.F.R. 60, Subpart K - "Standards of Performance For Storage Vessels For Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978." There are no storage tanks in the EPC-East facility subject to this requirement.

b. 40 C.F.R. 60, Subpart Ka - "Standards of Performance for Storage Vessels For Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984." There are no storage tanks in the EPC-East facility subject to this requirement.

c. 40 C.F.R. 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." There are no storage tanks in the EPC-East facility subject to this requirement.

d. 40 C.F.R. 60, Subpart VV - "Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry." The EPC-East facility does not produce as intermediates or final products any of the materials listed in 40 C.F.R. §60.489.

e. 40 CFR 60, Subpart VVa – "Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006. The EPC-East facility does not produce as intermediates or final products any of the materials listed in 40 C.F.R. §60.489a.

f. 40 C.F.R. 60, Subpart DDD - "Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry." The EPC-East facility does not manufacture polypropylene, polyethylene, polystyrene, or poly(ethylene terephthalate) for which this rule applies.

g. 40 C.F.R. 60, Subpart RRR - "Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes. The EPC-East facility does not produce any of the chemicals listed in 40 C.F.R. §60.707 as a product, co-product, by-product, or intermediate.

h. 40 C.F.R. 61, Subpart V - "National Emission Standards for Equipment Leaks (Fugitive Emissions Sources)." Applies to sources in VHAP service as defined in 40 C.F.R. §61.241. VHAP service involves chemicals that are not used in a manner that qualifies them under the rule in the EPC-East facility.

i. 40 C.F.R. 63, Subpart H - "National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks." 40 C.F.R. 63 Subparts F, G, and H do not apply to the EPC-East manufacturing process units, as they do not meet the criteria in 40 C.F.R. §§63.100(b)(1), (b)(2), and (b)(3).

j. 40 C.F.R. 63, Subpart JJJ - "National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins. The EPC-East facility does not produce the materials listed in 40 C.F.R. §63.1310.

k. 40 C.F.R. 63, Subpart WWWW "National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Productions." The EPC-East facility does not engage in reinforced plastics composites production as defined in 40 C.F.R. §63.5785 and does not manufacture composite material as defined in 40 C.F.R. §63.5935.

☒ 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.

l. 40 C.F.R. 63, Subpart PPPP – "National Emission Standards for Hazardous Air Pollutants: Surface Coating of Plastic Parts and Products." The EPC-East facility does not produce an intermediate or final product that meets the definition of "surface coating" plastic part.

m. 40 C.F.R. 63, Subpart DDDDD – "National Emission Standards for Hazardous Air Pollutants: Industrial/Commercial/Institutional Boilers and Process Heaters." The EPC-East facility does not own or operate an industrial, commercial, or institutional boiler or process heater as defined in 40 C.F.R. §63.7575.

n. 40 C.F.R. 63, Subpart HHHHH – "National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing." The EPC-East facility does not produce, blend, or manufacture coatings as part of the manufacturing process.

o. 40 C.F.R. 82, Subpart B - "Protection of Stratospheric Ozone." Requires recycling of Chlorofluorocarbons (CFCs) from motor vehicles and that technicians servicing equipment need to be licensed. The EPC-East facility does not conduct motor vehicle maintenance involving CFCs on site.

p. 40 C.F.R. 82, Subpart C – "Protection of Stratospheric Ozone." Bans non-essential products containing Class I substances and bans non-essential products containing or manufactured with Class II substances. The EPC-East facility does not use, manufacture, nor distribute these materials.

q. 45CSR2 – "To Prevent and Control Particulate Air Pollution from Combustion of Fuel in Indirect Heat Exchangers." The EPC-East facility does not contain any fuel burning units.

r. 45CSR10 – "To Prevent and Control Air Pollution from the Emission of Sulfur Oxides." The EPC-East facility does not have emission sources of sulfur oxides subject to this rule.

s. 45CSR16 – "Standards of Performance for New Stationary Sources Pursuant to 40 C.F.R. 60." The EPC-East facility is not subject to any requirements under 40 C.F.R. 60.

t. 45CSR17 – "To Prevent and Control Particulate Matter Air Pollution from Materials Handling, Preparation, Storage and Other Sources of Fugitive Particulate Matter." Per 45CSR§17-6.1, EPC-East is not subject to 45CSR17 because it is subject to the fugitive particulate matter emission requirements of 45CSR7.

u. 45CSR27 – "To Prevent and Control the Emission of Toxic Air Pollutants." EPC-East does not have emission sources of toxic air pollutants as listed in 45CSR27.

v. 45CSR34 – "Emission Standards for Hazardous Air Pollutants for Source Categories Pursuant to 40 C.F.R. 63." The EPC-East facility is not subject to any requirements under 40 C.F.R. 63, except for 40CFR61 Part M "National Emission Standard for Asbestos".

w. 45CSR§21-40 – "Other Facilities that Emit Volatile Organic Compound (VOC)." None of the emission sources in EPC-East have maximum theoretical emissions of 6 pounds per hour or more and are not subject to the requirements of this section.

x. 45CSR§21-37 – "Leaks from Synthetic Organic Chemical, Polymer, and Resin Manufacturing Equipment." EPC-East is not defined as "Process Unit" under this section of Rule 21. Process Unit is defined as "components assembled to produce, as intermediate or final products, one or more of the chemicals listed in 40 CFR 60.489.

☒ 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*).

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 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). A copy of this notice is required to be sent to the USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health. **[40 C.F.R. 61]**

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. **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]**

3.1.6. **Emission inventory.** The permittee is responsible for submitting, on an annual basis, an emission inventory in accordance with the submittal requirements of the Division of Air Quality. **[W.Va. Code § 22-5-4(a)(14)]**

3.1.7. **Ozone-depleting substances.** For those facilities performing maintenance, service, repair or disposal of appliances, the permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 C.F.R. Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the prohibitions and required practices pursuant to 40 C.F.R. §§ 82.154 and 82.156.

b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 C.F.R. § 82.158.

c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 C.F.R. § 82.161.

3.1.8 **Risk Management Plan.** This stationary source, as defined in 40 C.F.R. § 68.3, is subject to Part 68. This stationary source shall submit a risk management plan (RMP) by the date specified in 40 C.F.R. Part 68.10. This stationary source shall certify compliance with the requirements of Part 68 as part of the annual compliance certification as required by 40 C.F.R. Part 70 or 71. **[40 C.F.R. 68]**

3.1.9 **45CSR27.** The permitted sources identified in Appendix B and recognized as being subject to 45CSR27 shall comply with all applicable requirements of 45CSR27 – "To Prevent and Control the Emissions of Toxic Air Pollutants" provided, however, that compliance with any more stringent requirements under the affected 45CSR13 permit identified in Appendix B are also demonstrated. The applicable requirements set forth by 45CSR27 shall include, but not be limited to, the following: **[45CSR13, R13-2617, 4.1.3; 45CSR13, R13-2244, 4.1.9]**

3.1.9.1. The permittee shall employ the best available technology (BAT) for the purpose of reducing toxic air pollutants (TAP) associated with the applicable sources and emission points identified in Appendix B. **[45CSR13, R13-2617, 4.1.3.1; 45CSR§27-3.1 (State-Enforceable only)]**

3.1.9.2. The permittee shall employ BAT for the purpose of preventing and controlling fugitive emissions of TAP to the atmosphere as a result of routing leakage from those sources and their associated equipment identified in Appendix B as operating in TAP service. **[45CSR13, R13-2617, 4.1.3.2; 45CSR§27-4.1 (State-Enforceable only]**

Note: For the Engineering Polymers - East Area, the affected permit is R13-2244 and the Attachment A listing only for those sources in the Engineering Polymers - East Area is provided in Appendix B.

3.1.10. 45CSR27. In the event a source and associated emission point identified in Appendix B is subject to the MACT standards of 40 C.F.R. 63, then compliance with the applicable MACT requirements identified in the affected 45CSR13 permit shall demonstrate compliance with the BAT requirements set forth in 3.1.9.

Note: For the Engineering Polymers - East Area, the affected permit is R13-2244 and the Attachment A listing only for those sources in the Engineering Polymers - East Area is provided in Appendix B.

[45CSR13, R13-2617, 4.1.4; 45CSR§27-3.1 (State-Enforceable only)]

☒ Permit Shield

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.)

3.2 Monitoring Requirements

3.2.1. **45CSR27.** The permittee shall implement and maintain a LDAR program for the applicable sources and emission points identified in Appendix B in order to reduce the emissions of TAP in accordance with the requirements of 40 C.F.R. 63, Subpart H – "National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks." Compliance with 40 C.F.R. 63, Subpart H shall be considered demonstration of compliance with the provisions of 45CSR§27-4 – "Fugitive Emissions of Toxic Air Pollutants."

Note: The Attachment A listing only for those sources in the Engineering Polymers - East Area is provided in Appendix B.

[45CSR13, R13-2617, 4.2.2; 45CSR§27-4.1 (State-Enforceable only]

3.2.2 **45CSR27.** In the event a source and associated emission point identified in Appendix B are subject to the MACT standards of 40 C.F.R. 63, then compliance with any applicable LDAR program set forth by the MACT and identified in the affected 45CSR13 permit shall demonstrate compliance with the monitoring requirements set forth in this permit.

Note: For the Engineering Polymers - East Area, the affected permit is R13-2244 and the Attachment A listing only for those sources in the Engineering Polymers - East Area is provided in Appendix B.

[45CSR13, R13-2617, 4.2.3; 45CSR§27-4.1 (State-Enforceable only)]

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, if applicable, 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 will be revised in accordance with 45CSR§30-6.4. or 45CSR§30-6.5 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 will be revised in accordance with 45CSR§30-6.4. or 45CSR§30-6.5 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 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.

3. A statement of compliance or non-compliance with each permit or rule condition.

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

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

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

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

☒ Permit Shield

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.)

3.3.2 45CSR27. In the event a source and associated emission point identified in Appendix B are subject to the MACT standards of 40 C.F.R. 63, then compliance with the applicable LDAR testing requirements set forth by the MACT and identified in the affected 45CSR13 permit shall demonstrate compliance with the LDAR testing requirements set forth in this permit.

Note: For the Engineering Polymers - East Area, the affected permit is R13-2244 and the Attachment A listing only for those sources in the Engineering Polymers - East Area is provided in Appendix B.

[45CSR13, R13-2617, 4.3.2; 45CSR§27-4.1 (State-Enforceable only)]

3.4 Recordkeeping Requirements

3.4.1. **Monitoring information.** The permittee shall keep records of monitoring information that include the following:

a. The date, place as defined in this permit and time of sampling or measurements;

b. The date(s) analyses were performed;

c. The company or entity that performed the analyses;

d. The analytical techniques or methods used;

e. The results of the analyses; and

f. The operating conditions existing at the time of sampling or measurement.

[45CSR§30-5.1.c.2.A.]

3.4.1. **Retention of records.** The permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of monitoring sample, measurement, report, application, or record creation date. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Where appropriate, records may be maintained in computerized form in lieu of the above records.
[45CSR§30-5.1.c.2.B.]

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§30-5.1.c. State-Enforceable only.]

3.4.3. **40 C.F.R. 63, Subpart GGGGG.** The permittee's site remediation activities are not subject to the requirements of 40 C.F.R. 63 Subpart GGGGG, except for the recordkeeping requirements in 3.4.4.b, provided that the permittee meets the requirements specified in paragraphs 3.4.4.a. through 3.4.4.b, and 40 C.F.R. §63.7881(c)(3).

a. The permittee determines that the total quantity of the HAP listed in Table 1 to 40 C.F.R. 63 Subpart GGGGG that is contained in the remediation material excavated, extracted, pumped, or otherwise removed during all of the site remediations conducted at your facility is less than 1 megagram (Mg) annually. This

exemption applies the 1 Mg limit on a facility-wide, annual basis, and there is no restriction to the number of site remediations that can be conducted during this period.

b. The permittee must prepare and maintain at the facility written documentation to support the determination that the total HAP quantity in the remediation materials for the year is less than 1 Mg. The documentation must include a description of the methodology and data used for determining the total HAP content of the remediation material.

[45CSR34; 40 C.F.R. §63.7881(c)]

3.4.4. **45CSR27.** The permittee shall maintain records of the results of all monitoring and inspections, emission control measures applied, and the nature, timing, and results of repair efforts conducted in accordance to 45CSR§27-10 and set forth in the affected 45CSR13 permits as identified in Appendix B.

Note: For the Engineering Polymers - East Area, the affected permit is R13-2244 and the Attachment A listing only for those sources in the Engineering Polymer - East Area is provided in Appendix B.

[45CSR13, R13-2617, 4.4.5]

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.
[45CSR§§30-4.4. *and* 5.1.c.3.D.]

3.5.2. A permittee may request confidential treatment for the submission of reporting required under 45CSR§30-5.1.c.3. pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
[45CSR§30-5.1.c.3.E.]

3.5.3. Except for the electronic submittal of the annual certification to the USEPA as required in 3.5.5 below, 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, mailed first class or by private carrier 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:

DAQ:

Director
WVDEP
Division of Air Quality
601 57th Street SE
Charleston, WV 25304

US EPA:

Section Chief
U. S. Environmental Protection Agency
Region III
Enforcement and Compliance Assurance
Division of Air Section (3ED21)
1650 Arch Street
Philadelphia, PA 19103-2029

DAQ Compliance and Enforcement[1]:
DEPAirQualityReports@wv.gov

[1]For all self-monitoring reports (MACT, GACT, NSPS, etc.), stack tests and protocols, Notice of Compliance Status reports, Initial Notifications, etc.

3.5.4 Certified emissions statement. 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. **[45CSR§30-8.]**

3.5.5 Compliance certification. The permittee shall certify compliance with the conditions of this permit on the forms provided by the DAQ. In addition to the annual compliance certification, the permittee may be required to submit certifications more frequently under an applicable requirement of this permit. The annual certification shall be submitted to the DAQ and USEPA on or before March 15 of each year, and shall certify compliance for the period ending December 31. The annual certification to the USEPA shall be submitted in electronic format only. It shall be submitted by e-mail to the following address: R3_APD_Permits@epa.gov. The permittee shall maintain a copy of the certification on site for five (5) years from submittal of the certification. The annual certification shall be submitted in electronic format by e-mail to the following addresses:

DAQ:
DEPAirQualityReports@wv.gov

US EPA:
R3_APD_Permits@epa.gov

[45CSR§30-5.3.e.]

3.5.6 Semi-annual monitoring reports. The permittee shall submit reports of any required monitoring on or before September 15 for the reporting period January 1 to June 30 and on or before March 15 for the reporting period July 1 to December 31. All instances of deviation from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with 45CSR§30-4.4. The semi-annual monitoring reports shall be submitted in electronic format by e-mail to the following address:

DAQ:
DEPAirQualityReports@wv.gov

[45CSR§30-5.1.c.3.A.]

3.5.7 Emergencies. For reporting emergency situations, refer to Section 2.17 of this permit.

3.5.4. **Deviations.**

a. In addition to monitoring reports required by this permit, the permittee shall promptly submit supplemental reports and notices in accordance with the following:

1. Any deviation resulting from an emergency or upset condition, as defined in 45CSR§30-5.7., shall be reported by telephone or telefax within one (1) working day of the date on which the permittee becomes aware of the deviation, if the permittee desires to assert the affirmative defense in accordance with 45CSR§30-5.7. A written report of such deviation, which shall include the probable cause of such deviations, and any corrective actions or preventative measures taken, shall be submitted and certified by a responsible official within ten (10) days of the deviation.

2. Any deviation that poses an imminent and substantial danger to public health, safety, or the environment shall be reported to the Secretary immediately by telephone or telefax. A written report of such deviation, which shall include the probable cause of such deviation, and any corrective actions or preventative measures taken, shall be submitted by the responsible official within ten (10) days of the deviation.

3. Deviations for which more frequent reporting is required under this permit shall be reported on the more frequent basis.

4. All reports of deviations shall identify the probable cause of the deviation and any corrective actions or preventative measures taken.

[45CSR§30-5.1.c.3.C.]

b. The permittee shall, in the reporting of deviations from permit requirements, including those attributable to upset conditions as defined in this permit, report the probable cause of such deviations and any corrective actions or preventive measures taken in accordance with any rules of the Secretary.

[45CSR§30-5.1.c.3.B.]

3.5.5. **New applicable requirements.** If any applicable requirement is promulgated during the term of this permit, the permittee will meet such requirements on a timely basis, or in accordance with a more detailed schedule if required by the applicable requirement.

[45CSR§30-4.3.h.1.B.]

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)*
R13-2244I	04/27/2010	
	11/26/2013	PD13-090
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	

22. Inactive Permits/Obsolete Permit Conditions		
Permit Number	Date of Issuance	Permit Condition Number
	MM/DD/YYYY	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	
	/ /	

Section 3: Facility-Wide Emissions

23. Facility-Wide Emissions Summary [Tons per Year]	
Criteria Pollutants	Potential Emissions
Carbon Monoxide (CO)	1.34
Nitrogen Oxides (NO_X)	N/A
Lead (Pb)	N/A
Particulate Matter ($PM_{2.5}$)[1]	1.17
Particulate Matter (PM_{10})[1]	19.30
Total Particulate Matter (TSP)	26.46
Sulfur Dioxide (SO_2)	N/A
Volatile Organic Compounds (VOC)	3.36
Hazardous Air Pollutants[2]	Potential Emissions
THAP	0.62
Regulated Pollutants other than Criteria and HAP	Potential Emissions

[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.
☐	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: _____ _____ _____ _____ _____ _____ _____ _____ _____

24. Insignificant Activities (Check all that apply)		
☐	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 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.)

24. Insignificant Activities (Check all that apply)		
☐	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.
☐	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: Gregory A. Westbrook	Title: Acting Plant Manager

Responsible official's signature:

Signature: _____ Signature Date: 10/9/2019

(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.

TABLE OF CONTENTS –
EPC-East Title V Renewal Application

WEST VIRGINIA
STATE TAX DEPARTMENT
BUSINESS REGISTRATION CERTIFICATE

ISSUED TO:
DUPONT SPECIALTY PRODUCTS USA, LLC
974 CENTRE RD
WILMINGTON, DE 19805-1269

BUSINESS REGISTRATION ACCOUNT NUMBER: **2365-2525**

This certificate is issued on: **03/28/2019**

This certificate is issued by
the West Virginia State Tax Commissioner
in accordance with Chapter 11, Article 12, of the West Virginia Code.

The person or organization identified on this certificate is registered to conduct business in the State of West Virginia at the location above.

This certificate is not transferrable and must be displayed at the location for which issued. This certificate shall be permanent until cessation of the business for which the certificate of registration was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new certificate shall be required.

TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them. CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS: Must have a copy of this certificate displayed at every job site within West Virginia.

atL006 v.19
L0810843584

ATTACHMENT A –

Map to Facility

DIRECTIONS:

FROM AIRPORT:

1. Exit Airport Rd to Rte 31 S (right)
2. Rte 31 S to Rte 2 S (right)
3. Rte 2 S to Rte 68 S (Emerson Ave)

A) Washington Works

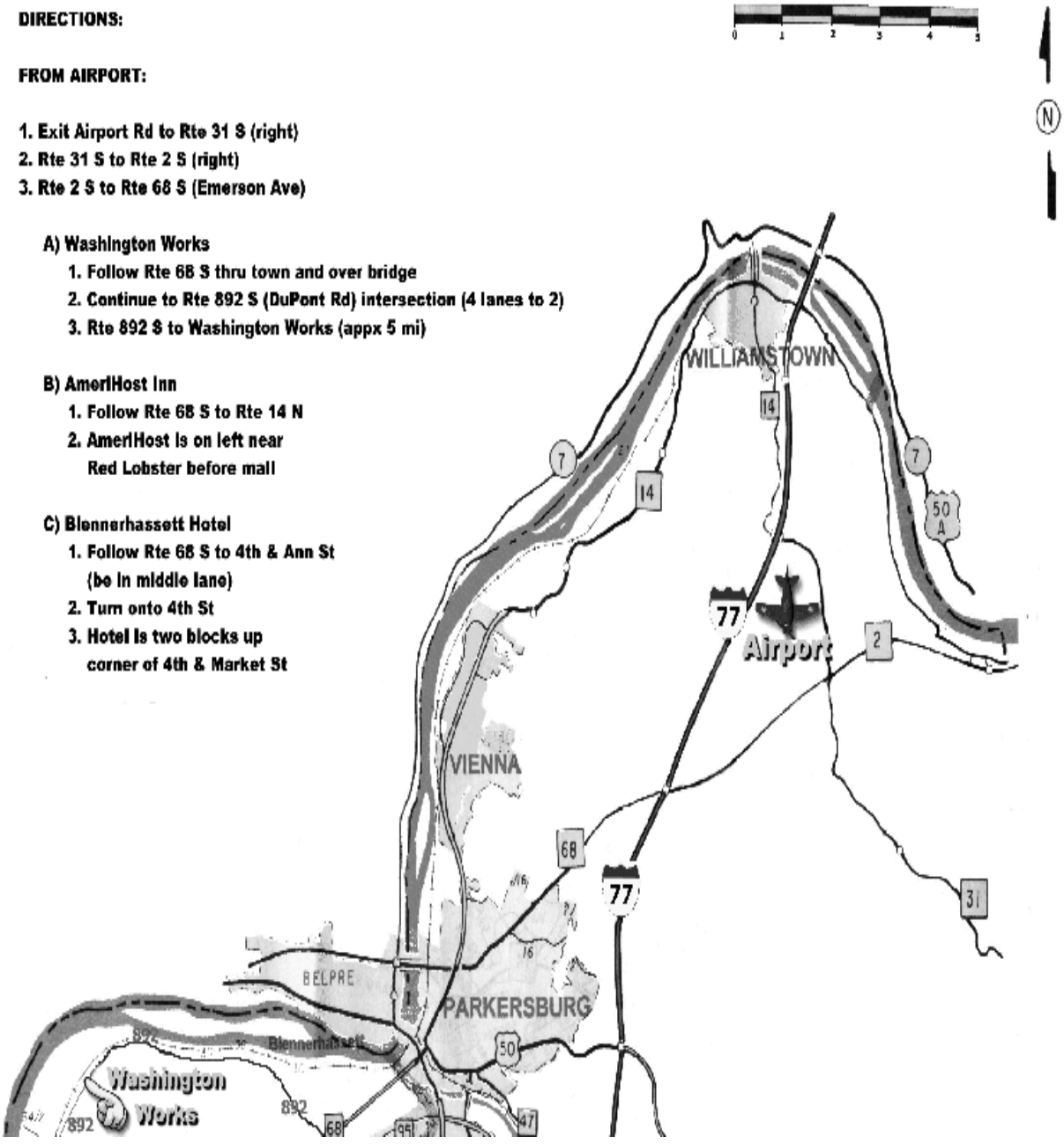
1. Follow Rte 68 S thru town and over bridge
2. Continue to Rte 892 S (DuPont Rd) intersection (4 lanes to 2)
3. Rte 892 S to Washington Works (appx 5 mi)

B) AmeriHost Inn

1. Follow Rte 68 S to Rte 14 N
2. AmeriHost is on left near Red Lobster before mall

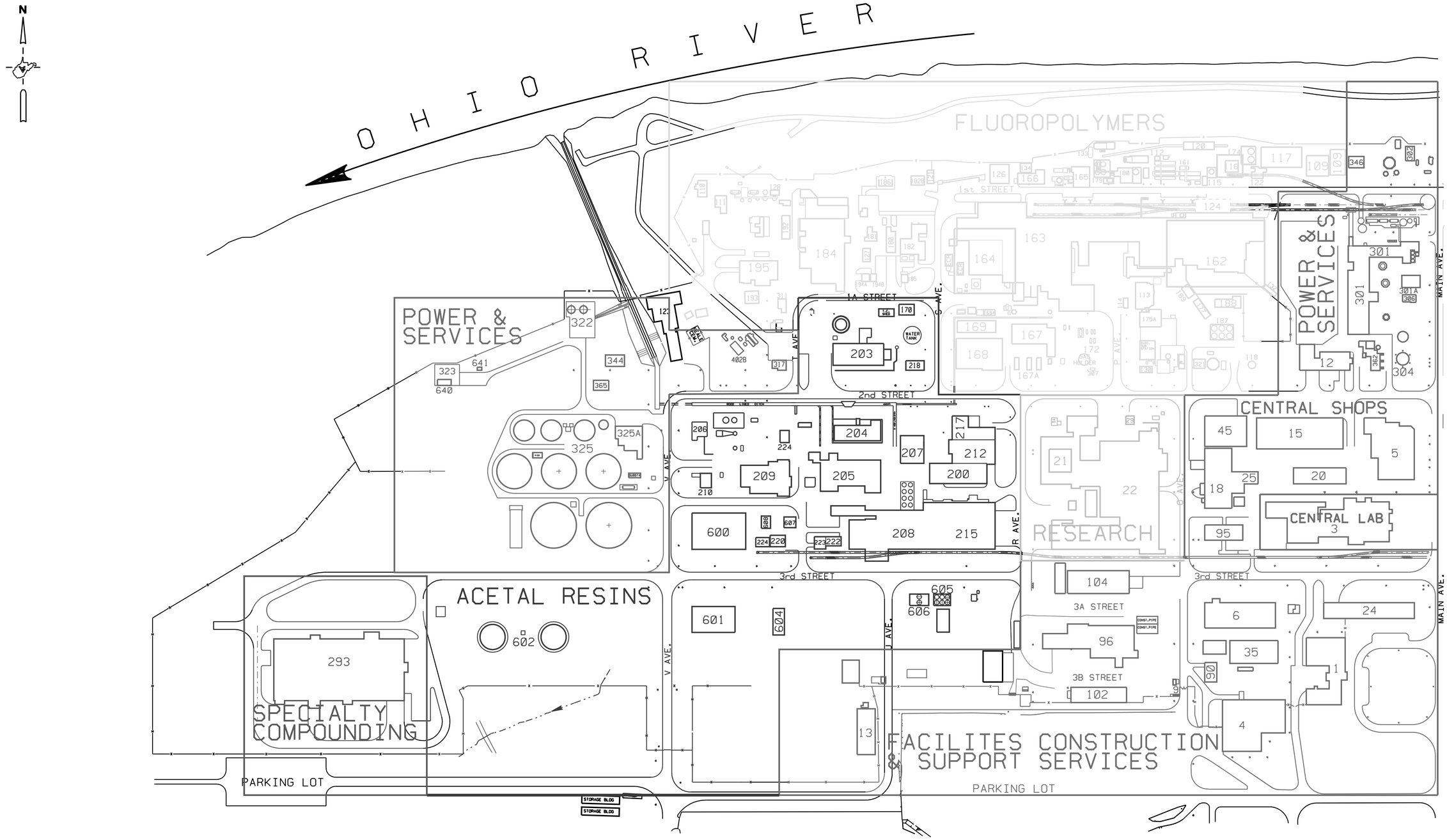
C) Blennerhassett Hotel

1. Follow Rte 68 S to 4th & Ann St (be in middle lane)
2. Turn onto 4th St
3. Hotel is two blocks up corner of 4th & Market St



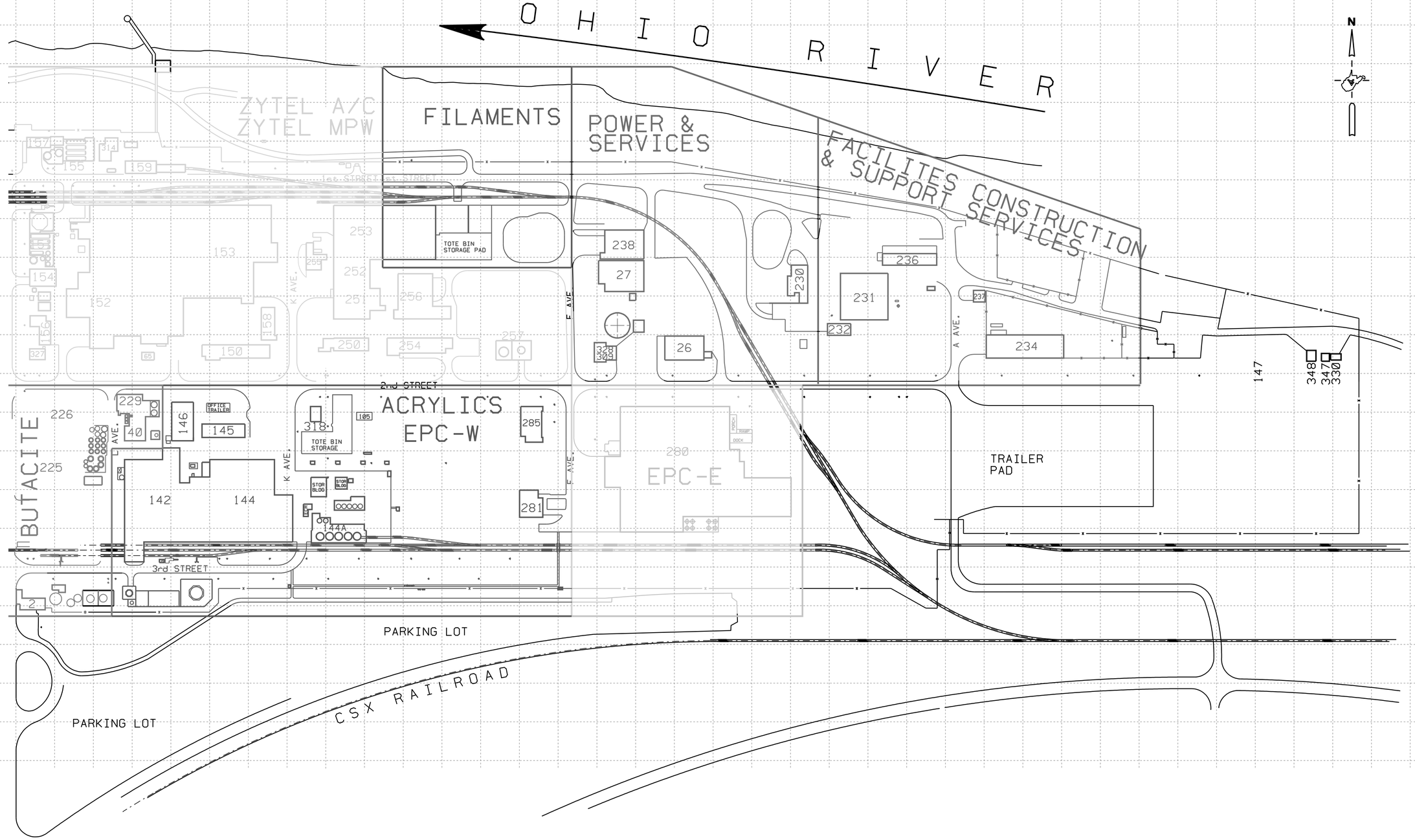
ATTACHMENT B –

Plot Plan of Facility



WASHINGTON WORKS TITLE 5 APPLICATION UPDATE C-1B				THIS DRAWING HAS BEEN FURNISHED BY E.I.DUPONT DE NEMOURS & CO. THE INFORMATION AND KNOW-HOW THEREON MAY NOT BE USED NOR THE DRAWING REPRODUCED WITHOUT THE WRITTEN PERMISSION OF DUPONT. ALL REPRODUCTIONS IN WHOLE OR IN PART, INCLUDING VENDOR'S SHOP DRAWINGS, SHALL BEAR OR REFER TO THIS STAMP. SCALE 1" = 300' DATE DRAWN BY JOE GASTON 11-29-01 UPDATED BY DAVE DRENNEN 12-5-01 CHECKED BY APPROVED BY
ELEC. CODE CLASS	WWJ NO.	FAA NUMBER	PROJ. NO.	WASHINGTON WORKS WW M-809 AR

INTERGRAPH COMPUTER DRAWING



WASHINGTON WORKS TITLE 5 APPLICATION UPDATE C-2B				THIS DRAWING HAS BEEN FURNISHED BY E.I.DUPONT DE NEMOURS & CO. THE INFORMATION AND KNOW-HOW THEREON MAY NOT BE USED NOR THE DRAWING REPRODUCED WITHOUT THE WRITTEN PERMISSION OF DUPONT. ALL REPRODUCTIONS IN WHOLE OR IN PART, INCLUDING VENDOR'S SHOP DRAWINGS, SHALL BEAR OR REFER TO THIS STAMP. SCALE 1" = 300' DATE DRAWN BY JOE GASTON 11-29-01 UPDATED BY DAVE DRENNEN 12-5-01 CHECKED BY APPROVED BY
ELEC. CODE CLASS	WBJ NO.	FAA NUMBER	PROJ. NO.	WASHINGTON WORKS WW M-809 DF AR

INTERGRAPH COMPUTER DRAWING

ATTACHMENT C –

Process Flow Diagram

EPC-East Process Flow Diagram

Process Flow

Emission Stream Flow

Hopper Truck
280-007E
280-194E
280-060E
Manual Feed
Box Feed
Box Feed
Box Feed
Tote Bin
To Extrusion Process
Hopper Truck
280-001E
Silo 1
Silo 2
Silo 3
Silo 4
280-002E
280-027C
280-201E
280-202E
280-186E
Drum Feed
Main Flake Hopper
(6) Vacuum Loaders
Auxiliary Feed Hopper
(6) Feed Hoppers
280-074E
280-E195
280-125AE
280-160E
Extruder CP-6
280-170E
280-197E
280-174E
Compressed Air
Tank
280-175E
280-204E
280-206E
Tote Bins Box
280-175S
Rework Feeder
Main Flake Hopper 280-170S
280-173E
280-172E
280-172C
280-171E
Extruder CP-9
280-062S
Impact Separator
280-176E
Screener Push Air
280-062E
Truck
280-190E
Silo 5
Silo 6
Silo 7
Silo 8
CP-9 Packaging
280-002E
280-027C
280-180E
Compressed Air
Tank
Tote Bin
280-182E
Tank
280-206E
280-206E
280-206E
Tote Bins Box
280-182S
280-072S
Flake Hopper 280-197S
280-150E
280-140E
280-072E
Extruder CP-7
280-072S
Impact Separator
280-109E
Screener Push Air
280-063E
Silo 7A
Silo 7B
280-054E
Silo 5A
Silo 5 B
Silo 6A
Silo 6 B
Dryer
280-203E
Packaging
147-204E
FP6
FP7
In EPC West Area
Screener Push Blower
280-002E
280-027C
280-073
280-181E
Toe Bin
Toe Bin
Compressed Air
Tank
Tank
280-183E
280-205E
Toe Bin
Aux Feed Hopper
Whitlock Hopper
Tote Bins Box
280-206E
280-206E
280-138E
280-183S
280-191S
Flake Hopper 280-198S
280-070E
280-136E
280-131E
280-137E
Extruder CP-8
280-131S
Impact Separator
Screener Push Air
280-133E
Silo 8A
Silo 8B
147-E-002
147-C-002
FP5
FP4
FP3
FP2
FP1
Finished Product Bulk Storage
280-200E
Degreaser
Screw Puller
280-199E
Burnout Oven

ATTACHMENT D - Title V Equipment Table

(includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms)

Emission Point ID[1]	Control Device[1]	Emission Unit ID[1]	Emission Unit Description	Design Capacity	Year Installed/ Modified
147-002E	147-002C	FP1	Finished Product Silo	12000 pph	1980
147-002E	147-002C	FP2	Finished Product Silo	12000 pph	1980
147-002E	147-002C	FP3	Finished Product Silo	12000 pph	1980
147-002E	147-002C	FP4	Finished Product Silo	12000 pph	1980
147-002E	147-002C	FP5	Finished Product Silo	12000 pph	1980
147-001E	147-001C	TFN1	Raw Material Storage Silo	184000 lbs	1980
147-001E	147-001C	TFN2	Raw Material Storage Silo	184000 lbs	1980
147-001E	147-001C	TFN3	Raw Material Storage Silo	184000 lbs	1980
147-001E	147-001C	TFN4	Raw Material Storage Silo	184000 lbs	1980
147-001E	147-001C	TFN5	Raw Material Storage Silo	184000 lbs	1980
143-001E	143-001C	143-001S	Raw Material Storage Silo	48000 lbs	1980
143-001E	143-001C	143-002S	Raw Material Storage Silo	48000 lbs	1980
143-003E	143-003C	143-003S	Raw Material Storage Silo	48000 lbs	1980
143-004E	143-004C	143-004S	Raw Material Storage Silo	48000 lbs	1980
143-005E	143-005C	143-005S	Raw Material Storage Silo	48000 lbs	1980
143-005E	143-005C	143-006S	Raw Material Storage Silo	48000 lbs	1980
143-009E	143-009C	143-007S	Raw Material Storage Silo	48000 lbs	1980
143-007E	143-007C	143-008S	Raw Material Storage Silo	48000 lbs	1980
143-008E	143-008C	143-009S	Raw Material Storage Silo	48000 lbs	1980
143-006E	143-006C	143-010S	Raw Material Storage Silo	48000 lbs	1980
143-005E	143-005C	143-011S	Raw Material Storage Silo	48000 lbs	1980
143-005E	143-005C	143-012S	Raw Material Storage Silo	48000 lbs	1980
147-003E	N/A	147-003S	Blenders #1, 2 Load Vent	40000 lbs	1980
147-005E	N/A	147-005S	Bulk Unloading	20000 lbs	1980
147-204E	147-204C Baghouse	147-204S	FPS 6/Silo Transfer System	50,000 pph	1988
280-001E	280-026C Baghouse	280-001S	Feed Silos 1-4 Bulk Flake Transfer	50,000 pph	1967
280-002E	280-027C Baghouse	280-002S	CP6, CP7, & CP8 Main Flake Hopper	50,000 pph	1967
280-170E	280-170C Baghouse	280-002S	CP9 Main Flake CPS Bin Vent	50,000 pph	1999
280-007E	280-007C Baghouse	280-007S	100 Area Silo 6 Conveying Bin Vent	50,000 pph	1988
280-060E	N/A	280-060S	100 Area Tote Bin Blending Ventilation System	20,000 pph	1988
280-062E	N/A	280-062S	CP9 Cutter	50,000 pph	1999
280-171E	N/A	280-062S	CP9 Cutter	10,000 pph	1999
280-176E	N/A	280-062S	CP9 Cooler/Screener Pull Blower	10,000 pph	1999
280-204E	N/A	280-062S	CP9 Rework Transfer System	10,000 pph	1999
280-063E	N/A	280-072S	CP7 Cutter	7,250 pph	1985
280-072E	N/A	280-072S	CP7 Cutter	50,000 pph	1985
280-109E	N/A	280-072S	CP7 Cooler Screener	7,250 pph	1985
280-206E	280-206C	280-072S	CP7 Cutter	7,250 pph	1985

280-073E	N/A	280-073S	CP8 Whitlock Hopper	7,250 pph	1985
280-206E	280-206C	280-112S	CP7 B1 Hopper	7,2550 pph	1985
280-131E	N/A	280-131S	CP8 Cutter	7,250 pph	1985
280-133E	N/A	280-131S	CP8 Cutter	7250 pph	1985
280-137E	N/A	280-131S	CP8 Cooler Screener	7,250 pph	1985
280-174E	N/A	280-174S	CP9 Additive Feed Station System	10,000 pph	2003
280-175E	280-175C Bag Filter	280-175S	C9 Glass Hopper	10,000 pph	2003
280-180E	N/A	280-180S	CP7 Additive Feed Station System	7,250 pph	1999
280-181E	N/A	280-181S	CP8 Additive Feed Station System	7,250 pph	1985
280-182E	280-182C Baghouse	280-182S	CP7 Glass Hopper	3,700 pph	1985
280-183E	280-183C Baghouse	280-183S	CP8 Glass Hopper	20,000 pph	1987
280-186E	N/A	280-186S	CP6 Additive Drum Station	10,500 pph	1987
280-190E	N/A	280-190S	Silos #5-8 Bulk Conveyor	50,000 pph	1989
280-206E	280-206C	280-191S	CP8 Cutter	20,000 pph	1985
280-194E	N/A	280-194S	Collector 34	50,000 pph	1985
280-206E	280-206C	280-197S	CP7 Main Flake Hopper	7,250 pph	1985
280-206E	280-206C	280-198S	CP8 Main Flake Hopper	7,250 pph	1985
280-201E	280-201C Baghouse	280-201S	CP6 Feed Hoppers	10,500 pph	2003
280-202E	N/A	280-202S	CP6 Vacuum Loaders	30,000 pph	2003
280-205E	N/A	280-205S	CP8 Auxillary Feed Hopper	7,250 pph	1985
280-074E	N/A	280-CP6	CP6 B1 Hopper	10,500 pph	2005
280-125AE	N/A	280-CP6	CP6 Extruder	10,500 pph	2003
280-160E	N/A	280-CP6	CP6 Extruder	10,500 pph	2003
280-195E	N/A	280-CP6	CP6 Extruder	10,500 pph	2005
280-203E	N/A	280-CP6	CP6 Cooler/Screener Pull Blower	10,500 pph	2003
280-140E	280-140C	280-CP7	CP7 Extruder Die Exhaust	7,250 pph	1985
280-150E	N/A	280-CP7	CP7 Vacuum System	7,250 pph	1985
280-070E	N/A	280-CP8	CP8 Extruder	7,250 pph	1985
280-136E	N/A	280-CP8	CP8 Extruder	7,250 pph	1985
280-206E	280-206C	280-CP8	CP8 Extruder	7,250 pph	1985
280-172E	280-172C	280-CP9	CP9 Extruder	10,000 pph	2003
280-173E	N/A	280-CP9	CP9 Extruder	10,000 pph	2003
280-206E	280-206C	280-CP9	CP9 Extruder	10,000 pph	2003
Fugitive	N/A	280-207S	EPC-East Solvent Parts Cleaner	76 gallons	1980s

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
FP1	Finished Product Silos	147-002C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Finished Product Silos (Finished Product Silos) -Vents through 147-002E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

120000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
120000 pph	525600 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)		
Particulate Matter (PM_{10})	0.01	0.02
Total Particulate Matter (TSP)	0.01	0.02
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
FP2	Finished Product Silos	147-002C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Finished Product Silos (Finished Product Silos) -Vents through 147-002E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

120000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
120000 pph	525600 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)		
Particulate Matter (PM_{10})	0.01	0.02
Total Particulate Matter (TSP)	0.01	0.02
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.
<u>See Attached List for all Applicable Requirements.</u>
____ Permit Shield
For all 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 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.)
See WV Rule 13 Permit R13-2244I **Are you in compliance with all applicable requirements for this emission unit?** ☑ **Yes** ☐ **No** If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
FP3	Finished Product Silos	147-002C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Finished Product Silos (Finished Product Silos) -Vents through 147-002E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

120000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
120000 pph	525600 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)		
Particulate Matter (PM_{10})	0.01	0.02
Total Particulate Matter (TSP)	0.01	0.02
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.
<u>See Attached List for all Applicable Requirements.</u>
____ Permit Shield
For all 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 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.)
See WV Rule 13 Permit R13-2244I **Are you in compliance with all applicable requirements for this emission unit?** ☑ **Yes** ☐ **No** If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
FP4	Finished Product Silos	147-002C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Finished Product Silos (Finished Product Silos) -Vents through 147-002E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

120000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
120000 pph	525600 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)		
Particulate Matter (PM_{10})	0.01	0.02
Total Particulate Matter (TSP)	0.01	0.02
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
FP5	Finished Product Silos	147-002C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Finished Product Silos (Finished Product Silos) -Vents through 147-002E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

120000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
120000 pph	525600 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)		
Particulate Matter (PM_{10})	0.01	0.02
Total Particulate Matter (TSP)	0.01	0.02
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
TFN1	Raw Material Storage Silos	147-001C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silos (Raw Material Storage Silos) -Vents through 147-001E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

184000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
184000 pph	805920 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.02
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
TFN2	Raw Material Storage Silos	147-001C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silos (Raw Material Storage Silos) -Vents through 147-001E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

184000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
184000 pph	805920 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.02
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.
<u>See Attached List for all Applicable Requirements.</u>
____ Permit Shield
For all 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 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.)
See WV Rule 13 Permit R13-2244I **Are you in compliance with all applicable requirements for this emission unit?** ☑ **Yes** ☐ **No** If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
TFN3	Raw Material Storage Silos	147-001C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silos (Raw Material Storage Silos) -Vents through 147-001E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

184000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
184000 pph	805920 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.02
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
TFN4	Raw Material Storage Silos	147-001C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silos (Raw Material Storage Silos) -Vents through 147-001E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

184000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
184000 pph	805920 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.02
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.
<u>See Attached List for all Applicable Requirements.</u>
____ Permit Shield
For all 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 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.)
See WV Rule 13 Permit R13-2244I **Are you in compliance with all applicable requirements for this emission unit?** ☑ **Yes** ☐ **No** If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
TFN5	Raw Material Storage Silos	147-001C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silos (Raw Material Storage Silos) -Vents through 147-001E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

184000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
184000 pph	805920 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.02
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
143-001S	Raw Material Storage Silo	143-001C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silo (Raw Material Storage Silo) -Vents through 143-001E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

48000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
96000 pph	420480 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
143-002S	Raw Material Storage Silo	143-001C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silo (Raw Material Storage Silo) -Vents through 143-001E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

48000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
96000 pph	420480 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
143-003S	Raw Material Storage Silo	143-003C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silo (Raw Material Storage Silo) -Vents through 143-003E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

48000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
48000 pph	210240 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
143-004S	Raw Material Storage Silo	143-004C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silo (Raw Material Storage Silo) -Vents through 143-004E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

48000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
48000 pph	210240 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
143-005S	Raw Material Storage Silo	143-005C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silo (Raw Material Storage Silo) -Vents through 143-005E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

48000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
48000 pph	210240 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
143-006S	Raw Material Storage Silo	143-005C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silo (Raw Material Storage Silo) -Vents through 143-005E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

48000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
48000 pph	210240 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
143-007S	Raw Material Storage Silo	143-009C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silo (Raw Material Storage Silo) -Vents through 143-009E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

48000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
48000 pph	210240 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
143-008S	Raw Material Storage Silo	143-007C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silo (Raw Material Storage Silo) -Vents through 143-007E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

48000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
48000 pph	210240 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
143-009S	Raw Material Storage Silo	143-008C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silo (Raw Material Storage Silo) -Vents through 143-008E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

48000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
48000 pph	210240 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
143-010S	Raw Material Storage Silo	143-006C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silo (Raw Material Storage Silo) -Vents through 143-006E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

48000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
48000 pph	210240 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
143-011S	Raw Material Storage Silo	143-005C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silo (Raw Material Storage Silo) -Vents through 143-005E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

48000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
48000 pph	210240 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
143-012S	Raw Material Storage Silo	143-005C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Raw Material Storage Silo (Raw Material Storage Silo) -Vents through 143-005E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

48000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
48000 pph	210240 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
147-003S	Blenders #1,2 Load Vent	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Blenders #1,2 Load Vent (Blenders #1,2 Load Vent) -Vents through 147-003E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

40000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
40000 pph	175200 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
147-005S	Bulk Unloading	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Bulk Unloading (Bulk Unloading) -Vents through 147-005E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1980	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

20000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
20000 pph	87600 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
147-204S	FPS 6/7Silo Transfer System	147-204C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

FPS 6/7Silo Transfer System (FPS 6/7Silo Transfer System) -Vents through 147-204E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1988	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

50000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
50000 pph	109500 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.04	0.09
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-001S	Feed Silos 1-4 Bulk Flake Transfer	280-026C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Bulk Loading System(s) (Bulk Silos 1 - 4) -Vents through 280-001E

Manufacturer:	**Model number:**	**Serial number:**
Several Different Unit	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1967	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

50000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
34500 pph	151110 pph	8760

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.04	0.07
Total Particulate Matter (TSP)	0.14	0.28
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-002S	CP6, CP7, & CP8 Main Flake Hopper	280-027C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP7 Main Flake Hopper (CP7 Main Flake Hopper) -Vents through 280-002E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1967	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

50000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
50000 pph	109500 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.03	0.05
Total Particulate Matter (TSP)	0.10	0.22
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-002S	CP9 Main Flake CPS Bin Vent	280-170C Bag Filter

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Bulk Transfer System (CP9 Main Flake CPS Bin Vent) -Vents through 280-170E

Manufacturer:	**Model number:**	**Serial number:**
75	721	61.23142251

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1999	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

50000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
50000 pph	109500 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-007S	100 Area Silo 6 Conveying Bin Vent	280-007C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

100 Area Transfer System (100 Area Silo 6 Conveying) -Vents through 280-007E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1988	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

50000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.02	0.01
Total Particulate Matter (TSP)	0.20	0.04
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-060S	100 Area tote bin blending ventilation system	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

100 Area tote bin blending ventilation system (Collector 33) -Vents through 280-060E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1988	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

20000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10000 pph	43800 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating: N/A	**Type and Btu/hr rating of burners:** N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-060S	100 Area tote bin blending ventilation system	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

100 Area tote bin blending ventilation system (Collector 33) -Vents through 280-060E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1988	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

20000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10000 pph	43800 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating: N/A	**Type and Btu/hr rating of burners:** N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-062S	CP9 Cutter	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Transfer system for silos 5-8 (CP9 Cutter (2007-0900-8001)) -Vents through 280-062E

Manufacturer:	**Model number:**	**Serial number:**
CONAIR	9024 10-92965	20-240695 GW

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1999	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

50000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10000 pph	9636 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.02
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-062S	CP9 Cutter	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP9 Cutter Conveyor Exhaust (CP9 Cutter (2007-0900-8001)) -Vents through 280-171E

Manufacturer:	**Model number:**	**Serial number:**
CONAIR	9024 10-92965	20-240695 GW

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1999	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

10000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10000 pph	43800 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.02
Total Particulate Matter (TSP)	0.06	0.27
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-062S	CP9 Cooler/Screener Pull Blower	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP9 Cooler/Screener Exhaust (CP9 Cooler/Screener (2007-0900-9005)) -Vents through 280-176E

Manufacturer:	**Model number:**	**Serial number:**
WITTE-CO	448-T-HC	4491

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1999	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

10000

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10000 pph	43800 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.02	0.07
Total Particulate Matter (TSP)	0.03	0.14
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-062S	CP9 Rework Transfer System	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP9 Rework Transfer System (CP9 Rework Transfer System) -Vents through 280-204E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1999	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

10000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10000 pph	43800 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.03	0.06
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-072S	CP7 Cutter	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Conveying system for CP7 finished product silos (CP7 Cutter (2004-0700-07)) -Vents through 280-063E

Manufacturer:	**Model number:**	**Serial number:**
AUTOMATIK	ATG-600	30-328-618

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating: N/A	**Type and Btu/hr rating of burners:** N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-072S	CP7 Cutter	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP7 Cutter Conveyor System (CP7 Cutter (2004-0700-07)) -Vents through 280-072E

Manufacturer:	**Model number:**	**Serial number:**
AUTOMATIK	ATG-600	30-328-618

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

50000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.02	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-072S	CP7 Cooler Screener	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP7 Cooler Screener (CP7 Cooler Screener (2004-0700-09)) -Vents through 280-109E

Manufacturer:	**Model number:**	**Serial number:**
THE WITTE CO	4748-D-HC-3.5	4193-1

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	9/18/1954

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating: N/A	**Type and Btu/hr rating of burners:** N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.03
Total Particulate Matter (TSP)	0.01	0.04
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-072S	CP7 Cutter	280-206C Baghouse

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP7 Rework Transfer System (7/8 General Dust Collector) -Vents through 280-206E

Manufacturer:	**Model number:**	**Serial number:**
AUTOMATIK	ATG-600	30-328-618

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.1	0.06
Particulate Matter (PM_{10})	0.1	0.06
Total Particulate Matter (TSP)	0.1	0.93
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-073S	CP8 Whitlock Hopper	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP8 Whitlock Hopper Vent (CP8 Whitlock Hopper) -Vents through 280-073E

Manufacturer:	**Model number:**	**Serial number:**
Whitlock	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-112S	CP7 B1 Hopper	280-206C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP7 B1 Hopper Dust Ventilation (CP7 B1 Hopper) -Vents through 280-206E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-131S	CP8 Cutter	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP8 Cutter Conveyor System (CP8 Cutter (2005-0800-0007)) -Vents through 280-131E

Manufacturer:	**Model number:**	**Serial number:**
AUTOMATIK	ATG300	30-328-619

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating: N/A	**Type and Btu/hr rating of burners:** N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-131S	CP8 Cutter	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP8 FP Conveying System (CP8 Cutter (2005-0800-0007)) -Vents through 280-133E

Manufacturer:	**Model number:**	**Serial number:**
AUTOMATIK	ATG300	30-328-619

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-131S	CP8 Cooler Screener	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP8 Cooler Screener (CP8 Cooler Screener (2005-0800-09)) -Vents through 280-137E

Manufacturer:	**Model number:**	**Serial number:**
THE WITTE CO	4748-D-HC-3.5	4193-1

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.02
Total Particulate Matter (TSP)	0.01	0.03
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-174S	CP9 Additive Feed Station System	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP9 Additive Feed Station System (CP9 Colortronics) -Vents through 280-174E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	2003	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

10000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10000 pph	43800 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.02	0.05
Total Particulate Matter (TSP)	0.02	0.06
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Total Haps	0.03	0.04
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-175S	CP9 Glass Hopper	280-175C Bag Filter

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP9 Glass Feed System (CP9 Glass Hopper) -Vents through 280-175E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	2003	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

10000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10,000 pph	43800 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.04	0.08
Total Particulate Matter (TSP)	0.04	0.08
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-180S	CP7 Additive Feed Station System	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP7 Additive Feed Station System (CP7 Colortronics) -Vents through 280-180E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1999	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating: N/A	**Type and Btu/hr rating of burners:** N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.02	0.03
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-181S	CP8 Additive Feed Station System	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP8 Additive Feed Station System (CP8 Colortronics) -Vents through 280-181E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.03	0.11
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-182S	CP7 Glass Hopper	280-182C Baghouse

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP7 Glass Feed System (CP7 Glass Hopper) -Vents through 280-182E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

3700 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
20000 pph	28908 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.02
Total Particulate Matter (TSP)	0.04	0.09
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-183S	CP8 Glass Hopper	280-183C Baghouse

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP8 Glass Feed System (CP8 Glass Hopper) -Vents through 280-183E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1987	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

20000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
20000 pph	87600 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.02
Total Particulate Matter (TSP)	0.04	0.09
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-186S	CP6 Additive Drum Station	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP6 Additive Drum Station Exhaust (CP6 Additive Drum Station) -Vents through 280-186E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1987	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

10500 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10500 pph	45990 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.02
Total Particulate Matter (TSP)	0.02	0.06
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-190S	Silos #5-8 Bulk Conveyor	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Silos #5-8 Bulk Conveyor (Silos #5-8 Bulk Conveyor) -Vents through 280-190E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1989	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

50000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
50000 pph	109500 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-191S	CP8 Cutter	280-206C Baghouse

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP8 Rework Transfer System (7/8 General Dust Collector) -Vents through 280-206E

Manufacturer:	**Model number:**	**Serial number:**
AUTOMATIK	ATG300	30-328-619

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

20000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
20000 pph	87600 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating: N/A	**Type and Btu/hr rating of burners:** N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.1	0.01
Particulate Matter (PM_{10})	0.1	0.01
Total Particulate Matter (TSP)	0.1	0.04
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-194S	Collector 34	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

100 Area Box Feed Blending Transfer System (Collector 34) -Vents through 280-194E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

50000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
50000 pph	109500 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-197S	CP7 Main Flake Hopper	280-206C Baghouse

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP7 Main Flake Hopper Ventilation (7/8 General Dust Collector) -Vents through 280-206E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.1	0.01
Particulate Matter (PM_{10})	0.1	0.03
Total Particulate Matter (TSP)	1	0.4
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-198S	CP8 Main Flake Hopper	280-206C Baghouse

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP8 Main Flake Hopper Ventilation (7/8 General Dust Collector) -Vents through 280-206E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.1	0.01
Particulate Matter (PM_{10})	0.1	0.03
Total Particulate Matter (TSP)	1	0.4
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-201S	CP6 Feed Hoppers	280-201C Baghouse

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP6 Feed Hoppers Ventilation (CP6 Feed Hoppers) -Vents through 280-201E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	2003	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

10500 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10500 pph	45990 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.02
Total Particulate Matter (TSP)	0.02	0.06
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-202S	CP6 Vacuum Loaders	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP6 Vacuum Loaders (CP6 Vacuum Loaders) -Vents through 280-202E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	2003	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

30000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10500 pph	45990 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.10
Total Particulate Matter (TSP)	0.04	0.20
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-205S	CP8 Auxillary Feed Hopper	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP8 Auxillary Feed Transfer (CP8 Auxillary Feed Hopper) -Vents through 280-205E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.02
Particulate Matter (PM_{10})	0.08	0.12
Total Particulate Matter (TSP)	0.40	0.58
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-CP6	CP6 B1 Hopper	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Vent for CP6 B1 Hopper (CP6 B1 Hopper) -Vents through 280-074E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	2005	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

10500 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10500 pph	45990 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.
<u>See Attached List for all Applicable Requirements.</u>
____ Permit Shield
For all 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 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.)
See WV Rule 13 Permit R13-2244I **Are you in compliance with all applicable requirements for this emission unit?** ☑ **Yes** ☐ **No** If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-CP6	CP6 Extruder Vacuum	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP6 Vacuum Pot Ventilation (CP6 Extruder (2001-7001-0001)) -Vents through 280-125AE

Manufacturer:	**Model number:**	**Serial number:**
WP	ZSK-83	123696

Construction date:	**Installation date:**	**Modification date(s):**
N/A	2003	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

10500 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10500 pph	45990 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating: N/A	**Type and Btu/hr rating of burners:** N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.05	0.19
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)	0.12	0.51
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Total Haps	0.01	0.01
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).		
Engineering Estimate		

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-CP6	CP6 Extruder Die	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP6 Extruder Die Exhaust (CP6 Extruder (2001-7001-0001)) -Vents through 280-160E

Manufacturer:	**Model number:**	**Serial number:**
WP	ZSK-83	123696

Construction date:	**Installation date:**	**Modification date(s):**
N/A	2003	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

10500 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10500 pph	45990 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.05	0.19
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.03	0.1
Particulate Matter (PM_{10})	1.40	6.12
Total Particulate Matter (TSP)	1.40	6.12
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)	0.12	0.51
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Total Haps	0.01	0.01
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-CP6	CP6 Extruder Side feed	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP6 Area Ventilation (CP6 Extruder (2001-7001-0001)) -Vents through 280-195E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A
Construction date:	**Installation date:**	**Modification date(s):**
N/A	2005	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

10500 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10500 pph	45990 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.1	0.19
Particulate Matter (PM_{10})	0.80	3.5
Total Particulate Matter (TSP)	0.80	3.5
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-CP6	CP6 Cooler/Screener Pull Blower	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP6 Cooler/Screener Exhaust (CP6 Cooler/Screener (2001-6002-5)) -Vents through 280-203E

Manufacturer:	**Model number:**	**Serial number:**
N/A	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	2003	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

10500 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10500 pph	45990 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.02
Particulate Matter (PM_{10})	0.04	0.15
Total Particulate Matter (TSP)	0.17	0.74
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.
<u>See Attached List for all Applicable Requirements.</u>
____ Permit Shield
For all 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 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.)
See WV Rule 13 Permit R13-2244I **Are you in compliance with all applicable requirements for this emission unit?** ☑ **Yes** ☐ **No** If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-CP7	CP7 Extruder Die Exhaust - 280-140E	280-140C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP7 Extruder Die Exhaust (CP7 Extruder (2004-0700-05-1)) -Vents through 280-140E

Manufacturer:	**Model number:**	**Serial number:**
WP	ZSK 120	177-604-024-1-1

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating: N/A	**Type and Btu/hr rating of burners:** N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.03	0.14
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.03
Particulate Matter (PM_{10})	0.08	0.32
Total Particulate Matter (TSP)	0.08	0.32
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)	0.08	0.35
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Total Haps	0.01	0.01
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).		
Engineering Estimate		

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.
<u>See Attached List for all Applicable Requirements.</u>
____ Permit Shield
For all 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 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.)
See WV Rule 13 Permit R13-2244I **Are you in compliance with all applicable requirements for this emission unit?** ☑ **Yes** ☐ **No** If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-CP7	CP7 Vacuum System - 280-150E	280-140C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP7 Vacuum System (CP7 Extruder (2004-0700-05-1)) -Vents through 280-150E

Manufacturer:	**Model number:**	**Serial number:**
WP	ZSK 120	177-604-024-1-1

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating: N/A	**Type and Btu/hr rating of burners:** N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.03	0.14
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.03
Total Particulate Matter (TSP)	0.01	0.03
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)	0.08	0.35
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Total Haps	0.06	0.26
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).		
Engineering Estimate		

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.
<u>See Attached List for all Applicable Requirements.</u>
____ Permit Shield
For all 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 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.)
See WV Rule 13 Permit R13-2244I **Are you in compliance with all applicable requirements for this emission unit?** ☑ **Yes** ☐ **No** If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-CP8	CP8 Extruder	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Vacuum Pot Exhaust for CP8 (CP8 Extruder (2005-0800-05-1)) -Vents through 280-070E

Manufacturer:	**Model number:**	**Serial number:**
WP	ZSK 120	1766130

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.1	0.14
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.1	0.01
Particulate Matter (PM_{10})	0.1	0.01
Total Particulate Matter (TSP)	0.1	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)	0.1	0.35
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Total Haps	0.01	0.01
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).		
Engineering Estimate		

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

<u>See Attached List for all Applicable Requirements.</u>

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-CP8	CP8 Extruder	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Exhaust for CP8 Die (CP8 Extruder (2005-0800-05-1)) -Vents through 280-136E

Manufacturer:	**Model number:**	**Serial number:**
WP	ZSK 120	1766130

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.03	0.14
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.03	0.1
Particulate Matter (PM_{10})	0.97	4.23
Total Particulate Matter (TSP)	0.97	4.23
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)	0.08	0.35
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Total Haps	0.01	0.01
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).		
Engineering Estimate		

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

<u>See Attached List for all Applicable Requirements.</u>

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-CP8	CP8 Extruder	280-206C

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Ventilation for CP8 Feed Hopper (CP8 Extruder (2005-0800-05-1)) -Vents through 280-206E

Manufacturer:	**Model number:**	**Serial number:**
WP	ZSK 120	1766130
Construction date:	**Installation date:**	**Modification date(s):**
N/A	1985	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

7250 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
7250 pph	31755 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.2	0.08
Particulate Matter (PM_{10})	2.2	0.87
Total Particulate Matter (TSP)	2.2	3.95
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

<u>See Attached List for all Applicable Requirements.</u>

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-CP9	CP9 Extruder	280-172C HEAF

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP9 Heaf Die Exhaust (CP9 Extruder (2007-0900-5001)) -Vents through 280-172E

Manufacturer:	**Model number:**	**Serial number:**
Anderson	N/A	N/A

Construction date:	**Installation date:**	**Modification date(s):**
N/A	2003	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

10000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10000 pph	43800 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.05	0.2
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.03	0.10
Particulate Matter (PM_{10})	1.36	2.72
Total Particulate Matter (TSP)	1.36	2.72
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)	0.16	0.69
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Total Haps	0.03	0.13
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).		
Engineering Estimate		

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-CP9	CP9 Extruder	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP9 Vacuum System Exhaust (CP9 Extruder (2007-0900-5001)) -Vents through 280-173E

Manufacturer:	**Model number:**	**Serial number:**
WP	133MM	180832

Construction date:	**Installation date:**	**Modification date(s):**
N/A	2003	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

10000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
pph	tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating: N/A	**Type and Btu/hr rating of burners:** N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.05	0.20
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.05	0.18
Total Particulate Matter (TSP)	0.05	0.18
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)	0.01	0.01
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Total HAPs	0.05	0.18
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).		
Engineering Estimate		

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-CP9	CP9 Extruder	280-206C Baghouse

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

CP9 B-1 Hopper Exhaust (CP9 B-1 Hopper Exhaust) -Vents through 280-206E

Manufacturer:	**Model number:**	**Serial number:**
WP	133MM	180832

Construction date:	**Installation date:**	**Modification date(s):**
N/A	1999	N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

10000 pph

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10000 pph	43800 tn/yr	8760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ☐ Yes ☑ No	**If yes, is it?** ☐ Direct Fired ☐ Indirect Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
N/A	N/A

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.01
Particulate Matter (PM_{10})	0.01	0.02
Total Particulate Matter (TSP)	0.02	0.06
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. 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*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

See Attached List for all Applicable Requirements.

____ Permit Shield

For all 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 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.)

See WV Rule 13 Permit R13-2244I

Are you in compliance with all applicable requirements for this emission unit? ☑ **Yes** ☐ **No**

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description **EPC-East Solvent Parts Cleaner**

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
280-207S	EPC-East Solvent Parts Cleaner	Work Practices

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

A cold solvent parts cleaner currently serviced by Safety Kleen.

Machine Type 81720

Manufacturer:	**Model number:** 81	**Serial number:**
Construction date:	**Installation date:** 1980s	**Modification date(s):**

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 76 gallons (13.36 square feet)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:** 24/7

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes _X__ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

N/A

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A			

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)		
Particulate Matter (PM_{10})		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)	0.01	0.33
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

45 CSR 21 (Rule 21) Section 30 "Solvent Metal Cleaning"

The owner or operator of a cold solvent cleaner facility shall:

1. Provide a permanent, legible, conspicuous label, summarizing the operating requirements;
2. Store waste solvent in covered containers;
3. Close the cover whenever parts are not being handled in the cleaner;
4. Drain the cleaned parts until dripping ceases;
5. If used, supply a solvent spray that is a solid fluid stream (not a fine, atomized, or shower-type spray) at a pressure that does not exceed 10 pounds per square inch gauge (psig); and
6. Degrease only materials that are neither porous nor absorbent **45CSR§§21-30.3.a.4 through 9.**

____ Permit Shield

For all 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 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.)

Each owner or operator of a solvent metal cleaning source subject to this 45CSR§21-30 shall maintain the following records in a readily accessible location for at least 5 years and shall make these records available to the Director upon verbal or written request:

a. A record of central equipment maintenance, such as replacement of the carbon in a carbon adsorption unit.

b. The results of all tests conducted in accordance with the requirements in section 45CSR§21-30.4

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ___No

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

Attachment F
Compliance Plan

Attachment F is not required for the Title V renewal Application for EPC-East (Segment 6 of 14) of the DuPont Washington Works

ATTACHMENT G –

APCD UNIT DATA FORMS

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
143-001C	143-002S, 143-001S Emission Point ID 143-001E	
Manufacturer:	**Model number:**	**Installation date:**
Premier Pneumatics	53409-13	

Type of Air Pollution Control Device:

☐ Baghouse/Fabric Filter	☐ Venturi Scrubber	☐ Multiclone
☐ Carbon Bed Adsorber	☐ Packed Tower Scrubber	☐ Single Cyclone
☐ Carbon Drum(s)	☐ Other Wet Scrubber	☐ Cyclone Bank
☐ Catalytic Incinerator	☐ Condenser	☐ Settling Chamber
☐ Thermal Incinerator	☐ Flare	☐ Other (describe)
☐ Wet Plate Electrostatic Precipitator		☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)		
Particulate Matter (PM2.5)		
Total Particulate Matter (TSP)		

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack upon request. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the visible emissions checks will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
143-003C	143-003S,	
Manufacturer:	**Model number:**	**Installation date:**
Young Industries	HM 48-25	

Type of Air Pollution Control Device:

- ☑ Baghouse/Fabric Filter
- ☐ Carbon Bed Adsorber
- ☐ Carbon Drum(s)
- ☐ Catalytic Incinerator
- ☐ Thermal Incinerator
- ☐ Wet Plate Electrostatic Precipitator
- ☐ Venturi Scrubber
- ☐ Packed Tower Scrubber
- ☐ Other Wet Scrubber
- ☐ Condenser
- ☐ Flare
- ☐ Multiclone
- ☐ Single Cyclone
- ☐ Cyclone Bank
- ☐ Settling Chamber
- ☐ Other (describe)
- ☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)		
Particulate Matter (PM2.5)		
Total Particulate Matter (TSP)		

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack upon request. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the visible emissions checks will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
143-004C	143-004S,	
Manufacturer:	**Model number:**	**Installation date:**
Young Industries	HM 48-25	

Type of Air Pollution Control Device:

- ☑ Baghouse/Fabric Filter
- ☐ Carbon Bed Adsorber
- ☐ Carbon Drum(s)
- ☐ Catalytic Incinerator
- ☐ Thermal Incinerator
- ☐ Wet Plate Electrostatic Precipitator
- ☐ Venturi Scrubber
- ☐ Packed Tower Scrubber
- ☐ Other Wet Scrubber
- ☐ Condenser
- ☐ Flare
- ☐ Multiclone
- ☐ Single Cyclone
- ☐ Cyclone Bank
- ☐ Settling Chamber
- ☐ Other (describe)
- ☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)		
Particulate Matter (PM2.5)		
Total Particulate Matter (TSP)		

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack upon request. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
143-004C	143-004S,	
Manufacturer:	**Model number:**	**Installation date:**
Young Industries	HM 48-25	

Type of Air Pollution Control Device:

- ☑ Baghouse/Fabric Filter
- ☐ Carbon Bed Adsorber
- ☐ Carbon Drum(s)
- ☐ Catalytic Incinerator
- ☐ Thermal Incinerator
- ☐ Wet Plate Electrostatic Precipitator
- ☐ Venturi Scrubber
- ☐ Packed Tower Scrubber
- ☐ Other Wet Scrubber
- ☐ Condenser
- ☐ Flare
- ☐ Multiclone
- ☐ Single Cyclone
- ☐ Cyclone Bank
- ☐ Settling Chamber
- ☐ Other (describe)
- ☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)		
Particulate Matter (PM2.5)		
Total Particulate Matter (TSP)		

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack upon request. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
143-005C	143-012S, 143-011S, 143-006S, 143-005S Emission Point ID 143-005E	
Manufacturer:	**Model number:**	**Installation date:**
Premier Pneumatics	53409-13	

Type of Air Pollution Control Device:

☑ Baghouse/Fabric Filter	☐ Venturi Scrubber	☐ Multiclone
☐ Carbon Bed Adsorber	☐ Packed Tower Scrubber	☐ Single Cyclone
☐ Carbon Drum(s)	☐ Other Wet Scrubber	☐ Cyclone Bank
☐ Catalytic Incinerator	☐ Condenser	☐ Settling Chamber
☐ Thermal Incinerator	☐ Flare	☐ Other (describe)
☐ Wet Plate Electrostatic Precipitator		☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)	99	99
Particulate Matter (PM2.5)		
Total Particulate Matter (TSP)	99	99

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack upon request. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
143-006C	143-010S Emission Point ID 143-006E	
Manufacturer:	**Model number:**	**Installation date:**
Young Industries	HM 48-25	

Type of Air Pollution Control Device:

☑ Baghouse/Fabric Filter	☐ Venturi Scrubber	☐ Multiclone
☐ Carbon Bed Adsorber	☐ Packed Tower Scrubber	☐ Single Cyclone
☐ Carbon Drum(s)	☐ Other Wet Scrubber	☐ Cyclone Bank
☐ Catalytic Incinerator	☐ Condenser	☐ Settling Chamber
☐ Thermal Incinerator	☐ Flare	☐ Other (describe)
☐ Wet Plate Electrostatic Precipitator		☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)		
Particulate Matter (PM2.5)		
Total Particulate Matter (TSP)		

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack upon request. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
143-007C	143-008S Emission Point ID 143-007E	
Manufacturer:	**Model number:**	**Installation date:**
Young Industries	HM 48-25	

Type of Air Pollution Control Device:

- ☑ Baghouse/Fabric Filter
- ☐ Carbon Bed Adsorber
- ☐ Carbon Drum(s)
- ☐ Catalytic Incinerator
- ☐ Thermal Incinerator
- ☐ Wet Plate Electrostatic Precipitator
- ☐ Venturi Scrubber
- ☐ Packed Tower Scrubber
- ☐ Other Wet Scrubber
- ☐ Condenser
- ☐ Flare
- ☐ Multiclone
- ☐ Single Cyclone
- ☐ Cyclone Bank
- ☐ Settling Chamber
- ☐ Other (describe)
- ☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)		
Particulate Matter (PM2.5)		
Total Particulate Matter (TSP)		

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack monthly. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the monthly visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
143-008C	143-009S Emission Point ID 143-008E	
Manufacturer:	**Model number:**	**Installation date:**
Young Industries	HM 48-25	

Type of Air Pollution Control Device:

☑ Baghouse/Fabric Filter	☐ Venturi Scrubber	☐ Multiclone
☐ Carbon Bed Adsorber	☐ Packed Tower Scrubber	☐ Single Cyclone
☐ Carbon Drum(s)	☐ Other Wet Scrubber	☐ Cyclone Bank
☐ Catalytic Incinerator	☐ Condenser	☐ Settling Chamber
☐ Thermal Incinerator	☐ Flare	☐ Other (describe)
☐ Wet Plate Electrostatic Precipitator		☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)		
Particulate Matter (PM2.5)		
Total Particulate Matter (TSP)		

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack upon request. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
143-009C	143-007S Emission Point ID 143-009E	
Manufacturer:	**Model number:**	**Installation date:**
Young Industries	HM 48-25	

Type of Air Pollution Control Device:

☑ Baghouse/Fabric Filter	☐ Venturi Scrubber	☐ Multiclone
☐ Carbon Bed Adsorber	☐ Packed Tower Scrubber	☐ Single Cyclone
☐ Carbon Drum(s)	☐ Other Wet Scrubber	☐ Cyclone Bank
☐ Catalytic Incinerator	☐ Condenser	☐ Settling Chamber
☐ Thermal Incinerator	☐ Flare	☐ Other (describe)
☐ Wet Plate Electrostatic Precipitator		☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)		
Particulate Matter (PM2.5)		
Total Particulate Matter (TSP)		

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack upon request. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the visible emissions checks will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
147-001C	TFN5, TFN4, TFN3, TFN2, TFN1 Emission Point ID 147-001E	
Manufacturer:	**Model number:**	**Installation date:**
Micro Pulsaire		

Type of Air Pollution Control Device:

☑ Baghouse/Fabric Filter	☐ Venturi Scrubber	☐ Multiclone
☐ Carbon Bed Adsorber	☐ Packed Tower Scrubber	☐ Single Cyclone
☐ Carbon Drum(s)	☐ Other Wet Scrubber	☐ Cyclone Bank
☐ Catalytic Incinerator	☐ Condenser	☐ Settling Chamber
☐ Thermal Incinerator	☐ Flare	☐ Other (describe)
☐ Wet Plate Electrostatic Precipitator		☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)	99	99
Particulate Matter (PM2.5)		
Total Particulate Matter (TSP)	99	99

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack upon request. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
147-002C	FP5, FP4, FP3, FP2, FP1 Emission Point ID 147-002E	
Manufacturer:	**Model number:**	**Installation date:**
Premier Pneumatics	P5181117	

Type of Air Pollution Control Device:

- ☑ Baghouse/Fabric Filter
- ☐ Carbon Bed Adsorber
- ☐ Carbon Drum(s)
- ☐ Catalytic Incinerator
- ☐ Thermal Incinerator
- ☐ Wet Plate Electrostatic Precipitator
- ☐ Venturi Scrubber
- ☐ Packed Tower Scrubber
- ☐ Other Wet Scrubber
- ☐ Condenser
- ☐ Flare
- ☐ Multiclone
- ☐ Single Cyclone
- ☐ Cyclone Bank
- ☐ Settling Chamber
- ☐ Other (describe)
- ☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)	99	99
Total Particulate Matter (TSP)	99	99

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack upon request. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
147-204C	147-204S Emission Point ID 147-204E	
Manufacturer:	**Model number:**	**Installation date:**
Flex-Kleen	84CT18III	

Type of Air Pollution Control Device:

☒ Baghouse/Fabric Filter	☐ Venturi Scrubber	☐ Multiclone
☐ Carbon Bed Adsorber	☐ Packed Tower Scrubber	☐ Single Cyclone
☐ Carbon Drum(s)	☐ Other Wet Scrubber	☐ Cyclone Bank
☐ Catalytic Incinerator	☐ Condenser	☐ Settling Chamber
☐ Thermal Incinerator	☐ Flare	☐ Other (describe)
☐ Wet Plate Electrostatic Precipitator		☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)		
Particulate Matter (PM2.5)		
Total Particulate Matter (TSP)		

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Collection Efficiency, Ratio Baghouse # of Compartments, 1 ft/min, 4.9 Configuration, Open Pressure Fabric, PolyesterAir to Cloth

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack monthly. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the monthly visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
280-007C	280-007S Emission Point ID 280-007E	
Manufacturer:	**Model number:**	**Installation date:**
Mikropul	19-8-60TR "B"	1967

Type of Air Pollution Control Device:

☑ Baghouse/Fabric Filter	☐ Venturi Scrubber	☐ Multiclone
☐ Carbon Bed Adsorber	☐ Packed Tower Scrubber	☐ Single Cyclone
☐ Carbon Drum(s)	☐ Other Wet Scrubber	☐ Cyclone Bank
☐ Catalytic Incinerator	☐ Condenser	☐ Settling Chamber
☐ Thermal Incinerator	☐ Flare	☐ Other (describe)
☐ Wet Plate Electrostatic Precipitator		☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)	100	98
Particulate Matter (PM2.5)	100	98
Total Particulate Matter (TSP)	100	98

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Collection Efficiency, 100 Baghouse # of Compartments, 1 Configuration, Open Pressure Fabric, PolyesterAir to Cloth Ratio ft/min,

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack monthly. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the monthly visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
280-026C	280-001S Emission Point ID 280-001E	
Manufacturer:	**Model number:**	**Installation date:**
Flex-Kleen	84CT38III	

Type of Air Pollution Control Device:

☑ Baghouse/Fabric Filter	☐ Venturi Scrubber	☐ Multiclone
☐ Carbon Bed Adsorber	☐ Packed Tower Scrubber	☐ Single Cyclone
☐ Carbon Drum(s)	☐ Other Wet Scrubber	☐ Cyclone Bank
☐ Catalytic Incinerator	☐ Condenser	☐ Settling Chamber
☐ Thermal Incinerator	☐ Flare	☐ Other (describe)
☐ Wet Plate Electrostatic Precipitator		☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)	100	99.6
Particulate Matter (PM2.5)	100	99.6
Total Particulate Matter (TSP)	100	99.6

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Collection Efficiency, 100 Baghouse # of Compartments, 1 Configuration, Open Pressure Fabric, PolyesterAir to Cloth Ratio ft/min,

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack monthly. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the monthly visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
280-027C	280-002S Emission Point ID 280-002E	
Manufacturer:	**Model number:**	**Installation date:**
Flex-Kleen	84CT18III	

Type of Air Pollution Control Device:

☑ Baghouse/Fabric Filter	☐ Venturi Scrubber	☐ Multiclone
☐ Carbon Bed Adsorber	☐ Packed Tower Scrubber	☐ Single Cyclone
☐ Carbon Drum(s)	☐ Other Wet Scrubber	☐ Cyclone Bank
☐ Catalytic Incinerator	☐ Condenser	☐ Settling Chamber
☐ Thermal Incinerator	☐ Flare	☐ Other (describe)
☐ Wet Plate Electrostatic Precipitator		☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)	100	99.6
Particulate Matter (PM2.5)	100	99.6
Total Particulate Matter (TSP)	100	99.6

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Collection Efficiency, 100 Baghouse # of Compartments, 1 Configuration, Open Pressure Fabric, PolyesterAir to Cloth Ratio ft/min, 6

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack monthly. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the monthly visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: 280-140C	**List all emission units associated with this control device.** 280-CP7 (Emission Point 280-140E)	
Manufacturer:	**Model number:**	**Installation date:** 2014

Type of Air Pollution Control Device:

___ Baghouse/Fabric Filter	___ Venturi Scrubber	___ Multiclone
___ Carbon Bed Adsorber	___ Packed Tower Scrubber	___ Single Cyclone
___ Carbon Drum(s)	_X__ Other Wet Scrubber	___ Cyclone Bank
___ Catalytic Incinerator	___ Condenser	___ Settling Chamber
___ Thermal Incinerator	___ Flare	___ Other (describe) _____
___ Wet Plate Electrostatic Precipitator	___ Dry Plate Electrostatic Precipitator	

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	99%	95%
Particulate Matter 10 micron (PM10)	99%	95%

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes _X_ No

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.** Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack monthly. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the monthly visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
280-170C	280-002S Emission Point ID 280-170E	
Manufacturer:	**Model number:**	**Installation date:**
Flex-Kleen	84CT38III	

Type of Air Pollution Control Device:

☑ Baghouse/Fabric Filter	☐ Venturi Scrubber	☐ Multiclone
☐ Carbon Bed Adsorber	☐ Packed Tower Scrubber	☐ Single Cyclone
☐ Carbon Drum(s)	☐ Other Wet Scrubber	☐ Cyclone Bank
☐ Catalytic Incinerator	☐ Condenser	☐ Settling Chamber
☐ Thermal Incinerator	☐ Flare	☐ Other (describe)
☐ Wet Plate Electrostatic Precipitator		☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)	100	99.6
Particulate Matter (PM2.5)	100	99.6
Total Particulate Matter (TSP)	100	99.6

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Collection Efficiency, 100 Baghouse # of Compartments, 1 Configuration, Open Pressure Fabric, PolyesterAir to Cloth Ratio ft/min,

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack monthly. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the monthly visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
280-172C	280-CP9 Emission Point ID 280-172E	
Manufacturer:	**Model number:**	**Installation date:**
Anderson		

Type of Air Pollution Control Device:

☐ Baghouse/Fabric Filter	☐ Venturi Scrubber	☐ Multiclone	**x HEAF Filter**
☐ Carbon Bed Adsorber	☐ Packed Tower Scrubber	☐ Single Cyclone	
☐ Carbon Drum(s)	☐ Other Wet Scrubber	☐ Cyclone Bank	
☐ Catalytic Incinerator	☐ Condenser	☐ Settling Chamber	
☐ Thermal Incinerator	☐ Flare	☐ Other (describe)	
☐ Wet Plate Electrostatic Precipitator		☐ Dry Plate Electrostatic Precipitator	

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Carbon Monoxide (CO)	100	0
Particulate Matter (PM10)	100	97
Particulate Matter (PM2.5)	100	97
Total Haps		
Total Particulate Matter (TSP)	100	97
Volatile Organic Compounds (VOC)	100	0

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Roll Feed on dP

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack monthly. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the monthly visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
280-175C	280-175S Emission Point ID 280-175E	
Manufacturer:	**Model number:**	**Installation date:**
Young-Ind	12251-33	1995

Type of Air Pollution Control Device:

☑ Baghouse/Fabric Filter	☐ Venturi Scrubber	☐ Multiclone
☐ Carbon Bed Adsorber	☐ Packed Tower Scrubber	☐ Single Cyclone
☐ Carbon Drum(s)	☐ Other Wet Scrubber	☐ Cyclone Bank
☐ Catalytic Incinerator	☐ Condenser	☐ Settling Chamber
☐ Thermal Incinerator	☐ Flare	☐ Other (describe)
☐ Wet Plate Electrostatic Precipitator		☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)	100	99.6
Particulate Matter (PM2.5)	100	99.6
Total Particulate Matter (TSP)	100	99.6

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Collection Efficiency, 100 Baghouse # of Compartments, 1 Configuration, Open Pressure Fabric, PolyesterAir to Cloth Ratio ft/min,

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack monthly. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the monthly visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
280-182C	280-182S Emission Point ID 280-182E	
Manufacturer:	**Model number:**	**Installation date:**
Buhler-M	RPPR-10/6	1985

Type of Air Pollution Control Device:

☑ Baghouse/Fabric Filter	☐ Venturi Scrubber	☐ Multiclone
☐ Carbon Bed Adsorber	☐ Packed Tower Scrubber	☐ Single Cyclone
☐ Carbon Drum(s)	☐ Other Wet Scrubber	☐ Cyclone Bank
☐ Catalytic Incinerator	☐ Condenser	☐ Settling Chamber
☐ Thermal Incinerator	☐ Flare	☐ Other (describe)
☐ Wet Plate Electrostatic Precipitator		☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)	100	99.6
Particulate Matter (PM2.5)	100	99.6
Total Particulate Matter (TSP)	100	99.6

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Collection Efficiency, 100 Baghouse # of Compartments, 1 Configuration, Open Pressure Fabric, PolyesterAir to Cloth Ratio ft/min,

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack monthly. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the monthly visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
280-183C	280-183S Emission Point ID 280-183E	
Manufacturer:	**Model number:**	**Installation date:**
Buhler-M	RPPR-10/6	1985

Type of Air Pollution Control Device:

☑ Baghouse/Fabric Filter	☐ Venturi Scrubber	☐ Multiclone
☐ Carbon Bed Adsorber	☐ Packed Tower Scrubber	☐ Single Cyclone
☐ Carbon Drum(s)	☐ Other Wet Scrubber	☐ Cyclone Bank
☐ Catalytic Incinerator	☐ Condenser	☐ Settling Chamber
☐ Thermal Incinerator	☐ Flare	☐ Other (describe)
☐ Wet Plate Electrostatic Precipitator		☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)	100	99.6
Particulate Matter (PM2.5)	100	99.6
Total Particulate Matter (TSP)	100	99.6

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Collection Efficiency, 100 Baghouse # of Compartments, 1 Configuration, Open Pressure Fabric, PolyesterAir to Cloth Ratio ft/min,

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack monthly. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the monthly visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
280-185C	280-185S,	
Manufacturer:	**Model number:**	**Installation date:**
Torit	TD573	

Type of Air Pollution Control Device:

- ☐ Baghouse/Fabric Filter
- ☐ Carbon Bed Adsorber
- ☐ Carbon Drum(s)
- ☐ Catalytic Incinerator
- ☐ Thermal Incinerator
- ☐ Wet Plate Electrostatic Precipitator
- ☐ Venturi Scrubber
- ☐ Packed Tower Scrubber
- ☐ Other Wet Scrubber
- ☐ Condenser
- ☐ Flare
- ☐ Multiclone
- ☐ Single Cyclone
- ☐ Cyclone Bank
- ☐ Settling Chamber
- ☐ Other (describe)
- ☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Collection Efficiency, Ratio Baghouse # of Compartments, 1 Configuration, Closed Suction Fabric, PolyesterAir to Cloth ft/min, 1.8

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack on a monthly basis, not to exceed 45 days. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. N/A Records of maintenance on this piece of equipment will be maintained in the electronic maintenance scheduling modules. Records of the monthly visible emissions check will be maintained. All records will be maintained for a period of five years. N/A

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
280-201C	280-201S Emission Point ID 201E	
Manufacturer:	**Model number:**	**Installation date:**
Torit (DCE)	36PJD8-TRB-10	2003

Type of Air Pollution Control Device:

☑ Baghouse/Fabric Filter	☐ Venturi Scrubber	☐ Multiclone
☐ Carbon Bed Adsorber	☐ Packed Tower Scrubber	☐ Single Cyclone
☐ Carbon Drum(s)	☐ Other Wet Scrubber	☐ Cyclone Bank
☐ Catalytic Incinerator	☐ Condenser	☐ Settling Chamber
☐ Thermal Incinerator	☐ Flare	☐ Other (describe)
☐ Wet Plate Electrostatic Precipitator		☐ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter (PM10)	100	99.6
Particulate Matter (PM2.5)	100	99.6
Total Particulate Matter (TSP)	100	99.6

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Collection Efficiency, Baghouse # of Compartments, 1 Configuration, Open Pressure Fabric, PolyesterAir to Cloth Ratio ft/min,

Is this device subject to the CAM requirements of 40 C.F.R. 64? ☐ **Yes** ☑ **No**

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.**

Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack monthly. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the monthly visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: 280-206C	**List all emission units associated with this control device.** 280-072S, 280-112S, 280-191S, 280-197S, 280-197S, 280-198S, 280-CP8 (Emission Point ID 280-206E), 280-CP9 (Emission Point ID 280-206206E)	
Manufacturer: Tort Donaldson	**Model number:** 162MBT10	**Installation date:** 2014

Type of Air Pollution Control Device:

_X__ Baghouse/Fabric Filter	___ Venturi Scrubber	___ Multiclone
___ Carbon Bed Adsorber	___ Packed Tower Scrubber	___ Single Cyclone
___ Carbon Drum(s)	___ Other Wet Scrubber	___ Cyclone Bank
___ Catalytic Incinerator	___ Condenser	___ Settling Chamber
___ Thermal Incinerator	___ Flare	___ Other (describe) _____
___ Wet Plate Electrostatic Precipitator	___ Dry Plate Electrostatic Precipitator	

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	99%	99%
Particulate Matter 10 micron (PM10)	99%	99%

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes _X_ No

If Yes, **Complete ATTACHMENT H**

If No**, Provide justification.** Emissions are less than levels requiring CAM.

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Monitoring shall be accomplished by performing a Visible Emissions check on the associated stack monthly. Visible emission checks shall be conducted by personnel trained in the practices and limitations of 40 C.F.R. 60, Appendix A, Method 22 during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. Records of the monthly visible emissions check will be maintained. All records will be maintained for a period of five years.

ATTACHMENT H - Compliance Assurance Monitoring (CAM) Plan Form

For definitions and information about the CAM rule, please refer to 40 CFR Part 64. Additional information (including guidance documents) may also be found at http://www.epa.gov/ttn/emc/cam.html

CAM APPLICABILITY DETERMINATION

1) Does the facility have a PSEU (Pollutant-Specific Emissions Unit considered separately with respect to **EACH** regulated air pollutant) that is subject to CAM (40 CFR Part 64), which must be addressed in this CAM plan submittal? To determine applicability, a PSEU must meet **all** of the following criteria (*If No, then the remainder of this form need not be completed*): ☐ YES ☒ NO

a. The PSEU is located at a major source that is required to obtain a Title V permit;

b. The PSEU is subject to an emission limitation or standard for the applicable regulated air pollutant that is NOT exempt;

LIST OF EXEMPT EMISSION LIMITATIONS OR STANDARDS:

- NSPS (40 CFR Part 60) or NESHAP (40 CFR Parts 61 and 63) proposed after 11/15/1990.
- Stratospheric Ozone Protection Requirements.
- Acid Rain Program Requirements.
- Emission Limitations or Standards for which a WVDEP Division of Air Quality Title V permit specifies a continuous compliance determination method, as defined in 40 CFR §64.1.
- An emission cap that meets the requirements specified in 40 CFR §70.4(b)(12).

c. The PSEU uses an add-on control device (as defined in 40 CFR §64.1) to achieve compliance with an emission limitation or standard;

d. The PSEU has potential pre-control device emissions of the applicable regulated air pollutant that are equal to or greater than the Title V Major Source Threshold Levels; AND

e. The PSEU is NOT an exempt backup utility power emissions unit that is municipally-owned.

BASIS OF CAM SUBMITTAL

2) Mark the appropriate box below as to why this CAM plan is being submitted as part of an application for a Title V permit:

☐ RENEWAL APPLICATION. **ALL** PSEUs for which a CAM plan has NOT yet been approved need to be addressed in this CAM plan submittal.

☐ INITIAL APPLICATION (submitted after 4/20/98). **ONLY** large PSEUs (i. e., PSEUs with potential post-control device emissions of an applicable regulated air pollutant that are equal to or greater than Major Source Threshold Levels) need to be addressed in this CAM plan submittal.

☐ SIGNIFICANT MODIFICATION TO LARGE PSEUs. **ONLY** large PSEUs being modified after 4/20/98 need to be addressed in this cam plan submittal. For large PSEUs with an approved CAM plan, Only address the appropriate monitoring requirements affected by the significant modification.

3) [a] BACKGROUND DATA AND INFORMATION					
Complete the following table for **all** PSEUs that need to be addressed in this CAM plan submittal. This section is to be used to provide background data and information for each PSEU In order to supplement the submittal requirements specified in 40 CFR §64.4. If additional space is needed, attach and label accordingly.					
PSEU DESIGNATION	DESCRIPTION	POLLUTANT	CONTROL DEVICE	[b] EMISSION LIMITATION or STANDARD	[c] MONITORING REQUIREMENT
EXAMPLE Boiler No. 1	Wood-Fired Boiler	PM	Multiclone	45CSR§2-4.1.c.; 9.0 lb/hr	Monitor pressure drop across multiclone: Weekly inspection of multiclone

[a] If a control device is common to more than one PSEU, one monitoring plan may be submitted for the control device with the affected PSEUs identified and any conditions that must be maintained or monitored in accordance with 40 CFR §64.3(a). If a single PSEU is controlled by more than one control device similar in design and operation, one monitoring plan for the applicable control devices may be submitted with the applicable control devices identified and any conditions that must be maintained or monitored in accordance with 40 CFR §64.3(a).

[b] Indicate the emission limitation or standard for any applicable requirement that constitutes an emission limitation, emission standard, or standard of performance (as defined in 40 CFR §64.1).

[c] Indicate the monitoring requirements for the PSEU that are required by an applicable regulation or permit condition.

CAM MONITORING APPROACH CRITERIA			
Complete this section for **EACH** PSEU that needs to be addressed in this CAM plan submittal. This section may be copied as needed for each PSEU. This section is to be used to provide monitoring data and information for EACH indicator selected for EACH PSEU in order to meet the monitoring design criteria specified in 40 CFR §64.3 and §64.4. if more than two indicators are being selected for a PSEU or if additional space is needed, attach and label accordingly with the appropriate PSEU designation, pollutant, and indicator numbers.			
4a) PSEU Designation:	**4b) Pollutant:**	**4c) [a] Indicator No. 1:**	**4d) [a] Indicator No. 2:**
5a) GENERAL CRITERIA Describe the MONITORING APPROACH used to measure the indicators:			
[b] Establish the appropriate INDICATOR RANGE or the procedures for establishing the indicator range which provides a reasonable assurance of compliance:			
5b) PERFORMANCE CRITERIA Provide the SPECIFICATIONS FOR OBTAINING REPRESENTATIVE DATA, such as detector location, installation specifications, and minimum acceptable accuracy:			
[c] For new or modified monitoring equipment, provide VERIFICATION PROCEDURES, including manufacturer's recommendations, TO CONFIRM THE OPERATIONAL STATUS of the monitoring:			
Provide QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC) PRACTICES that are adequate to ensure the continuing validity of the data, (i.e., daily calibrations, visual inspections, routine maintenance, RATA, etc.):			
[d] Provide the MONITORING FREQUENCY:			
Provide the DATA COLLECTION PROCEDURES that will be used:			
Provide the DATA AVERAGING PERIOD for the purpose of determining whether an excursion or exceedance has occurred:			

[a] Describe all indicators to be monitored which satisfies 40 CFR §64.3(a). Indicators of emission control performance for the control device and associated capture system may include measured or predicted emissions (including visible emissions or opacity), process and control device operating parameters that affect control device (and capture system) efficiency or emission rates, or recorded findings of inspection and maintenance activities.

[b] Indicator Ranges may be based on a single maximum or minimum value or at multiple levels that are relevant to distinctly different operating conditions, expressed as a function of process variables, expressed as maintaining the applicable indicator in a particular operational status or designated condition, or established as interdependent between more than one indicator. For CEMS, COMS, or PEMS, include the most recent certification test for the monitor.

[c] The verification for operational status should include procedures for installation, calibration, and operation of the monitoring equipment, conducted in accordance with the manufacturer's recommendations, necessary to confirm the monitoring equipment is operational prior to the commencement of the required monitoring.

[d] Emission units with post-control PTE ≥ 100 percent of the amount classifying the source as a major source (i.e., Large PSEU) must collect four or more values per hour to be averaged. A reduced data collection frequency may be approved in limited circumstances. Other emission units must collect data at least once per 24 hour period.

RATIONALE AND JUSTIFICATION

Complete this section for **EACH** PSEU that needs to be addressed in this CAM plan submittal. This section may be copied as needed for each PSEU. This section is to be used to provide rationale and justification for the selection of EACH indicator and monitoring approach and EACH indicator range in order to meet the submittal requirements specified in 40 CFR §64.4.

6a) PSEU Designation:	6b) Regulated Air Pollutant:

7) **INDICATORS AND THE MONITORING APPROACH**: Provide the rationale and justification for the selection of the indicators and the monitoring approach used to measure the indicators. Also provide any data supporting the rationale and justification. Explain the reasons for any differences between the verification of operational status or the quality assurance and control practices proposed, and the manufacturer's recommendations. (If additional space is needed, attach and label accordingly with the appropriate PSEU designation and pollutant):

8) **INDICATOR RANGES**: Provide the rationale and justification for the selection of the indicator ranges. The rationale and justification shall indicate how **EACH** indicator range was selected by either a COMPLIANCE OR PERFORMANCE TEST, a TEST PLAN AND SCHEDULE, or by ENGINEERING ASSESSMENTS. Depending on which method is being used for each indicator range, include the specific information required below for that specific indicator range. (If additional space is needed, attach and label accordingly with the appropriate PSEU designation and pollutant):

- COMPLIANCE OR PERFORMANCE TEST (Indicator ranges determined from control device operating parameter data obtained during a compliance or performance test conducted under regulatory specified conditions or under conditions representative of maximum potential emissions under anticipated operating conditions. Such data may be supplemented by engineering assessments and manufacturer's recommendations). The rationale and justification shall INCLUDE a summary of the compliance or performance test results that were used to determine the indicator range, and documentation indicating that no changes have taken place that could result in a significant change in the control system performance or the selected indicator ranges since the compliance or performance test was conducted.

- TEST PLAN AND SCHEDULE (Indicator ranges will be determined from a proposed implementation plan and schedule for installing, testing, and performing any other appropriate activities prior to use of the monitoring). The rationale and justification shall INCLUDE the proposed implementation plan and schedule that will provide for use of the monitoring as expeditiously as practicable after approval of this CAM plan, except that in no case shall the schedule for completing installation and beginning operation of the monitoring exceed 180 days after approval.

- ENGINEERING ASSESSMENTS (Indicator Ranges or the procedures for establishing indicator ranges are determined from engineering assessments and other data, such as manufacturers' design criteria and historical monitoring data, because factors specific to the type of monitoring, control device, or PSEU make compliance or performance testing unnecessary). The rationale and justification shall INCLUDE documentation demonstrating that compliance testing is not required to establish the indicator range.

RATIONALE AND JUSTIFICATION: