

**Modi, Beena J** <beena.j.modi@wv.gov>

RE: Celanese(6 of 14)

1 message

Keatley, Robert, Celanese <Robert.Keatley@celanese.com>
To: "Modi, Beena J" <beena.j.modi@wv.gov>

Wed, Nov 5, 2025 at 10:25 AM

Beena,

We don't have any comments or issues. Sorry I didn't respond yesterday. I was out of town and out of cell phone coverage. Thanks for all your help.

Rob

Robert Keatley, PE**Principal Engineer, Environmental Compliance****Washington Works**

8480 DuPont Rd. B-24

Washington, WV 26181

Phone: 681.297.0554 Cell: 304.389.3518

Robert.Keatley@Celanese.comwww.celanese.com

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From: Modi, Beena J <beena.j.modi@wv.gov>
Sent: Tuesday, October 28, 2025 2:44 PM
To: Keatley, Robert, Celanese <Robert.Keatley@celanese.com>
Subject: [EXT]Celanese(6 of 14)

CAUTION: This email originated from outside Celanese. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Robert,

I have attached the permit and the factsheet for your review. Please let me know your comments by November 4th.

Thank you,

Beena



Modi, Beena J <beena.j.modi@wv.gov>

RE: R30-10700208-2025 (6 of 14)

1 message

Keatley, Robert, Celanese <Robert.Keatley@celanese.com>

Mon, Oct 27, 2025 at 5:02 PM

To: "Modi, Beena J" <beena.j.modi@wv.gov>

Cc: "Birge, Ryan, Celanese" <Ryan.Birge@celanese.com>

Beena,

We are going to be updating these actual PM actual emissions estimates for our 2025 AEI submittal, and they should come back down. But Dave Porter modified our 2023 AEI PM10 actual emission calcs in Dec of 2024 without letting us know. For the 2024 AEI submittal we really didn't have time to discuss his changes, so we incorporated Dave Porter's updated PM 10 Calcs into our 2024 AEI. I don't think Dave realized we had control devices on some of these sources.

Based on Dave Porter's revised PM10 calcs our actuals we submitted for the 2024 AEI for EPC-East are as follows

Regulated Pollutants		2024 (EPC - East (6 of 14) Actual Emissions
Carbon Monoxide (CO)		0.26
Nitrogen Oxides (NOx)		N/A
Particulate Matter (PM _{2.5})		0.047
Particulate Matter (PM ₁₀)		15.55
Total Particulate Matter (TSP)		15.55
Sulfur Dioxide (SO ₂)		N/A
Volatile Organic Compounds (VOC)		0.97
Total HAPs		0.038

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Thanks

Rob

Robert Keatley

Principal Engineer, Environmental Compliance

Washington Works



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General Business Information

From: Modi, Beena J <beena.j.modi@wv.gov>

Sent: Monday, October 27, 2025 2:57 PM

To: Keatley, Robert, Celanese <Robert.Keatley@celanese.com>

Subject: [EXT]R30-10700208-2025 (6 of 14)

CAUTION: This email originated from outside Celanese. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Robert,

Could you please fill out the missing numbers in the table below, or send me the numbers for facility-wide potential emissions and facility-wide actual emissions?

Thank you for your time,

Beena

Engineering Polymers (EPC) – East (6 of 14) Emissions Summary [Tons per Year]

Regulated Pollutants	Potential Emissions For EPC – East (6 of 14)	2024 (EPC – East (6 of 14)) Actual Emissions
Carbon Monoxide (CO)	1.34	
Nitrogen Oxides (NO _x)	NA	
Particulate Matter (PM _{2.5})	1.19	
Particulate Matter (PM ₁₀)	19.32	
Total Particulate Matter (TSP)	26.48	
Sulfur Dioxide (SO ₂)	NA	
Volatile Organic Compounds (VOC)	3.36	

PM₁₀ is a component of TSP.

Hazardous Air Pollutants	Potential Emissions For EPC – East (6 of 14)	2024 (EPC – East (6 of 14)) Actual Emissions
Total HAPs	0.62	

----- Forwarded message -----

From: "Keatley, Robert, Celanese" <Robert.Keatley@celanese.com>
 To: David J Porter <david.j.porter@wv.gov>
 Cc: "dep.aei@wv.gov" <dep.aei@wv.gov>
 Bcc:
 Date: Mon, 24 Mar 2025 18:18:09 +0000

Subject: AEI 2024 - Celanese

Dave,

During the QA/QC process I noticed DAQ added several comments **“2024-12-19 Dave Porter used PMCalc to estimate PM10-FIL from PM-CON”** and PM10-FIL emissions to the download template. I attached a spreadsheet with the comments sorted and two to emissions stood out to me E25 and E35, which added up to more than 15 tons of PM10-Fil emissions.

How do you want us to handle uploading this new emission classification or will you populate them later? Thanks

Rob

Robert Keatley

Principal Engineer, Environmental Compliance

Washington Works



8480 DuPont Rd. B-24

Washington, WV 26181

Phone: 681.297.0554 Cell: 304.389.3518

Robert.Keatley@Celanese.com

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2 attachments



ProcessEmissions.xlsx
49K



AEI 2024 - Celanese.eml
117K

Archived: Wednesday, November 5, 2025 3:50:44 PM
From: "[Keatley, Robert, Celanese](#)"
Mail received time: Mon, 24 Mar 2025 18:18:09 +0000
Subject: AEI 2024 - Celanese
Attachments:
[ProcessEmissions.xlsx](#) 

Dave,

During the QA/QC process I noticed DAQ added several comments “**2024-12-19 Dave Porter used PMCalc to estimate PM10-FIL from PM-CON**” and PM10-FIL emissions to the download template. I attached a spreadsheet with the comments sorted and two to emissions stood out to me E25 and E35, which added up to more than 15 tons of PM10-Fil emissions.

How do you want us to handle uploading this new emission classification or will you populate them later? Thanks

Rob

Robert Keatley
Principal Engineer, Environmental Compliance
Washington Works



The chemistry inside innovation™

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Washington, WV 26181

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Modi, Beena J <beena.j.modi@wv.gov>

R30-10700208-2025 (6 of 14) Renewal

1 message

Modi, Beena J <beena.j.modi@wv.gov>

Thu, Feb 27, 2025 at 4:00 PM

To: nathan.king@celanese.com, "Keatley, Robert, Celanese" <Robert.Keatley@celanese.com>

Your Title V renewal application for a permit to operate the above referenced facility was received by this Division on February 12, 2025. After review of said application, it has been determined that the application is administratively complete as submitted. Therefore, the above referenced facility qualifies for an Application Shield.

The applicant has the duty to supplement or correct the application. Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information. In addition, an applicant shall provide additional information as necessary to address any requirements that become applicable to the source after the date it filed a complete application but prior to release of a draft permit.

The submittal of a complete application shall not affect the requirement that any source have all **preconstruction permits** required under the rules of the Division.

If during the processing of this application it is determined that additional information is necessary to evaluate or take final action on this application, a request for such information will be made in writing with a reasonable deadline for a response. Until which time as your renewal permit is issued or denied, please continue to operate this facility in accordance with 45CSR30, section 6.3.c. which states: *If the Secretary fails to take final action to deny or approve a timely and complete permit application before the end of the term of the previous permit, the permit shall not expire until the renewal permit has been issued or denied, and any permit shield granted for the permit shall continue in effect during that time.* This protection shall cease to apply if, subsequent to the completeness determination made pursuant to paragraph 6.1.d. of 45CSR30 and as required by paragraph 4.1.b., the applicant fails to submit by the deadline

specified in writing any additional information identified as being needed to process the application.

Please remember, **failure of the applicant to timely submit information required or requested to process the application may cause the Application Shield to be revoked.** Should you have any questions regarding this determination, please call me at (304)926-0499 ext. 41283.

Sincerely,

Beena Modi

Title V Permit Engineer

Beena.j.modi@wv.gov



Reply

Reply all

Forward

Division of Air Quality Permit Application Submittal

Please find attached a permit application for : Celanese Polymer Products, LLC - Washington Works
[Company Name; Facility Location]

- DAQ Facility ID (for existing facilities only): 107-00208
- Current 45CSR13 and 45CSR30 (Title V) permits associated with this process (for existing facilities only): R30-10700208-2020 (6 of14)
- Type of NSR Application (check all that apply):
 - o Construction
 - o Modification
 - o Class I Administrative Update
 - o Class II Administrative Update
 - o Relocation
 - o Temporary
 - o Permit Determination
- Type of 45CSR30 (TITLE V) Application:
 - o Title V Initial
 - o Title V Renewal
 - o Administrative Amendment**
 - o Minor Modification**
 - o Significant Modification**
 - o Off Permit Change

****If the box above is checked, include the Title V revision information as ATTACHMENT S to the combined NSR/Title V application.**
- Payment Type:
 - o Credit Card (Instructions to pay by credit card will be sent in the Application Status email.)
 - o Check (Make checks payable to: WVDEP – Division of Air Quality)
Mail checks to:
WVDEP – DAQ – Permitting
Attn: NSR Permitting Secretary
601 57th Street, SE
Charleston, WV 25304
- If the permit writer has any questions, please contact (all that apply):
 - o Responsible Official/Authorized Representative
 - Name: Nathan King
 - Email: Nathan.King@Celanese.com
 - Phone Number: 681-484-2666
 - o Company Contact
 - Name: Robert Keatley
 - Email: Robert.Keatley@Celanese.com
 - Phone Number: 681-294-0554
 - o Consultant
 - Name:
 - Email:
 - Phone Number:

Please wait until DAQ emails you the Facility ID Number and Permit Application Number. Please add these identifiers to your check or cover letter with your check.

Celanese Washington Works
8480 DuPont Road, Bldg. 24
PO Box 2600
Washington, WV 26181-2600



February 10, 2025

SUBMITTED BY EMAIL

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

**RE: Celanese Polymer Products – Engineering Polymer (EPC) - East Title V “Renewal”
Operating Permit Application R30-10700208-2020 (Part 6 of 14)**

Dear Ms. Crowder:

Celanese respectfully submits a Title V Renewal Permit Application for Celanese -Washington Works' EPC-East Production area R30-10700208-2020 (Part 6 of 14). The renewal application is based on the existing Title V Permit.

Should you have any questions about this permit application, please contact, Robert Keatley, at (681) 297-0554 or at Robert.Keatley@Celanese.com. Thanks

Very truly yours,

A handwritten signature in blue ink, appearing to read 'Ryan Birge', is written over a printed name.

Ryan Birge
EHS Senior Manager
Celanese - Washington Works

Enclosure

CC: Carrie McCumbers, DAQ Title V Permit 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): Celanese Polymer Products, LLC	2. Facility Name or Location: Celanese - Washington Works
3. DAQ Plant ID No.: 107-00208	4. Federal Employer ID No. (FEIN): 87-3594684
5. Permit Application Type: ☐ Initial Permit ☒ Permit Renewal ☐ Update to Initial/Renewal Permit Application When did operations commence? 1940's What is the expiration date of the existing permit? 09/10/2025	
6. Type of Business Entity: ☐ Corporation ☐ Partnership ☐ Governmental Agency ☐ Limited Partnership ☒ LLC	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: 453	
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 2600		
City: Washington	State: WV	Zip: 26181-2600
Telephone Number: (681) 297-0554 Robert Keatley, Principal Engineer Env	Fax Number:	

12. Facility Location (Physical Address)		
Street: 8480 DuPont Rd., Bldg. 24	City:	County:
UTM Easting: km	UTM Northing: km	Zone: ☒ 17 or ☐ 18
Directions: From I-77 take the Route 50 bypass 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: Nathan King		Title: Sr. Director Operations
Street or P.O. Box: 8480 DuPont Rd, Bldg. 24		
City: Washington	State: WV	Zip: 26181
Telephone Number: (681) 484-2666	Cell Number:	
E-mail address: Nathan.King@Celanese.com		
Environmental Contact: Robert Keatley		Title: Principal Engineer - Env.
Street or P.O. Box: 8480 DuPont Rd., Bldg. 24		
City: Washington	State: WV	Zip: 26181
Telephone Number: (681) 297-0554	Cell Number: (304) 389-3518	
E-mail address: Robert.Keatley@Celanese.com		
Application Preparer: Robert Keatley		Title: Principal Engineer - Env.
Company: Celanese Polymer Products, LLC		
Street or P.O. Box: 8480 DuPont Rd., Bldg. 24		
City: Washington	State: WV	Zip: 26181
Telephone Number: (681) 297-0554	Cell Number: (304) 389-3518	
E-mail address: Robert.Keatley@Celanese.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)	☐ Compliance Assurance Monitoring (40CFR64)
☐ Cross-State Air Pollution Rule (45CSR43)	

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 manufacturing area 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 manufacturing area 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 manufacturing area 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 for Which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before 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. §60.489.
☒ 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.

- e. 40 C.F.R. 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 WWW “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.
- 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 and is not a major source of HAPs.
- n. 40 C.F.R. 63, Subpart GGGGG - "National Emission Standards for Hazardous Air Pollutants: Site Remediation." The site is no longer a major source of HAPs and is not subject to the major source MACT requirements in accordance with §63.7881(a)(3).
- o. 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.
- p. 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.

☒ 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.

- q. 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.
- r. 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.
- s. 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.
- t. 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.
- u. 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.
- v. 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.

☒ 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 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 or allow any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible. [45CSR§6-3.2.]

3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them. [40 C.F.R. §61.145(b) and 45CSR34]

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.]

☒ 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** N/A

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. 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 shall be revised in accordance with 45CSR§60-6.4 or 45CSR§30-6.5 as applicable. c. All periodic tests to determine mass emission limits from 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.

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

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)(15)]**

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 SubpartB: 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. **[40 C.F.R. 82, Subpart F]**

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, R13-3574, 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, R13-3574, 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, R13-3574, 4.1.3.2; 45CSR§27-4.1 (State-Enforceable only)]** Note: For the Engineering Polymers (EPC) - East Area, the affected permit is R13-2244 and the Attachment A listing only for those sources in the Engineering Polymers (EPC) - 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 (EPC) - East Area **[45CSR13, R13-3574, 4.1.4; 45CSR§27-3.1 (State-Enforceable only)]**

3.1.11. The permittee shall maintain total Hazardous Air Pollutant (HAP) emissions below 25 tons per year combined or 10 tons per year of any single HAP. **[45CSR13, R13-3574, 4.1.6]**

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 (EPC) - East Area is provided in Appendix B. **[45CSR13, R13-3574, 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 (EPC) - East Area, the affected permit is R13-2244 and the Attachment A listing only for those sources in the Engineering Polymers (EPC) - East Area is provided in Appendix B. **[45CSR13, R13-3574, 4.2.3; 45CSR§27-4.1 (State-Enforceable only)]**

20. Facility-Wide Applicable MRR Requirements - Continued

3.3.1.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)(15-16) and 45CSR13]**

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 (EPC) - East Area, the affected permit is R13-2244 and the Attachment A listing only for those sources in the Engineering Polymers (EPC) - East Area is provided in Appendix B. **[45CSR13, R13-3574, 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.]**

3.4.2. **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.]**

3.4.3. **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.]

3.4.4. **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 (EPC) - East Area, the affected permit is R13-2244 and the Attachment A listing only for those sources in the Engineering Polymer (EPC) - East Area is provided in Appendix B. **[45CSR13, R13-3574, 4.4.5]**

3.4.5 The permittee shall maintain the site-wide Hazardous Air Pollutant (HAP) emissions records in accordance with subsection 3.1.11 on a twelve (12) month rolling total. These records shall be made available for inspection upon request of the Secretary in accordance with Section 2.0 and shall be maintained in accordance with Section 3.0. **[45CSR13, R13-3574, 4.4.6]**

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 compliance and semi-annual monitoring reports to the DAQ and USEPA as required in 3.5.5 and 3.5.6 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), or submitted in electronic format by e-mail as set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

DAQ:

VSEPA:

20. Facility-Wide Applicable MRR Requirements - Continued

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

Section Chief
U. S. Environmental Protection Agency, Region III
Enforcement and Compliance Assurance Division
Air, RCRA, and Toxics Branch (3ED21)
four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2852

DAQ Compliance and Enforcement

DEPAirQualityReports@wv.gov

¹For all self-implementing reports (MACT, GACT, NSPS, etc.). Slack tests and protocols, Notice of Compliance Status reports, Initial Notifications, etc.

3.5.4. Fees. The permittee shall pay fees on an annual basis in accordance with 45CSR§30-8. **[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 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. Reserved

3.5.8. 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. *Reserved*
 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.
- 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.]**

3.5.9. 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.]**

21. Active Permits/Consent Orders

[illegible]

22. Inactive Permits/Obsolete Permit Conditions

[illegible]

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	1.19
Particulate Matter (PM ₁₀) ¹	19.32
Total Particulate Matter (TSP)	26.48
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

¹PM_{2.5} and PM₁₀ are components of TSP.
²For 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.

24. Insignificant Activities (Check all that apply)	
☒	41. Plant maintenance and upkeep activities (e.g., grounds-keeping, general repairs, cleaning, painting, welding, plumbing, re-tarring roofs, installing insulation, and paving parking lots) provided these activities are not conducted as part of a manufacturing process, are not related to the source's primary business activity, and not otherwise triggering a permit modification. (Cleaning and painting activities qualify if they are not subject to VOC or HAP control requirements. Asphalt batch plant owners/operators must still get a permit if otherwise requested.)
☐	42. Portable electrical generators that can be moved by hand from one location to another. "Moved by Hand" means that it can be moved without the assistance of any motorized or non-motorized vehicle, conveyance, or device.
☐	43. Process water filtration systems and demineralizers.
☒	44. Repair or maintenance shop activities not related to the source's primary business activity, not including emissions from surface coating or de-greasing (solvent metal cleaning) activities, and not otherwise triggering a permit modification.
☒	45. Repairs or maintenance where no structural repairs are made and where no new air pollutant emitting facilities are installed or modified.
☐	46. Routing calibration and maintenance of laboratory equipment or other analytical instruments.
☐	47. Salt baths using nonvolatile salts that do not result in emissions of any regulated air pollutants. Shock chambers.
☐	48. Shock chambers.
☐	49. Solar simulators.
☐	50. Space heaters operating by direct heat transfer.
☐	51. Steam cleaning operations.
☐	52. Steam leaks.
☐	53. Steam sterilizers.
☐	54. Steam vents and safety relief valves.
☐	55. Storage tanks, reservoirs, and pumping and handling equipment of any size containing soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized.
☐	56. Storage tanks, vessels, and containers holding or storing liquid substances that will not emit any VOC or HAP. Exemptions for storage tanks containing petroleum liquids or other volatile organic liquids should be based on size limits such as storage tank capacity and vapor pressure of liquids stored and are not appropriate for this list.
☐	57. Such other sources or activities as the Director may determine.
☐	58. Tobacco smoking rooms and areas.
☐	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 as defined in 45CSR§30-2.38.

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:

Nathan King

Title:

Sr. Director of Operations

Responsible official's signature:

Signature:



Signature Date:

2/12/2025

(Must be signed and dated in blue ink or have a valid electronic signature)

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)

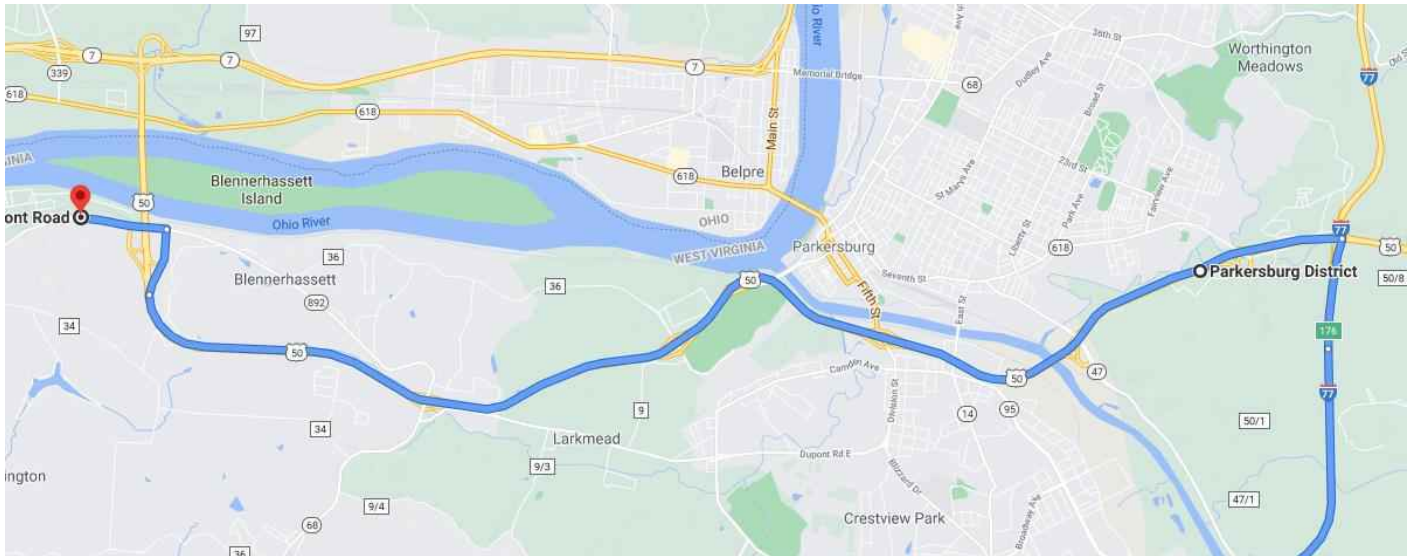
☒ ATTACHMENT G: Air Pollution Control Device Form(s)

☒ 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.vv.gov/daq, requested by phone (304) 926-0475, and/or obtained through the mail.

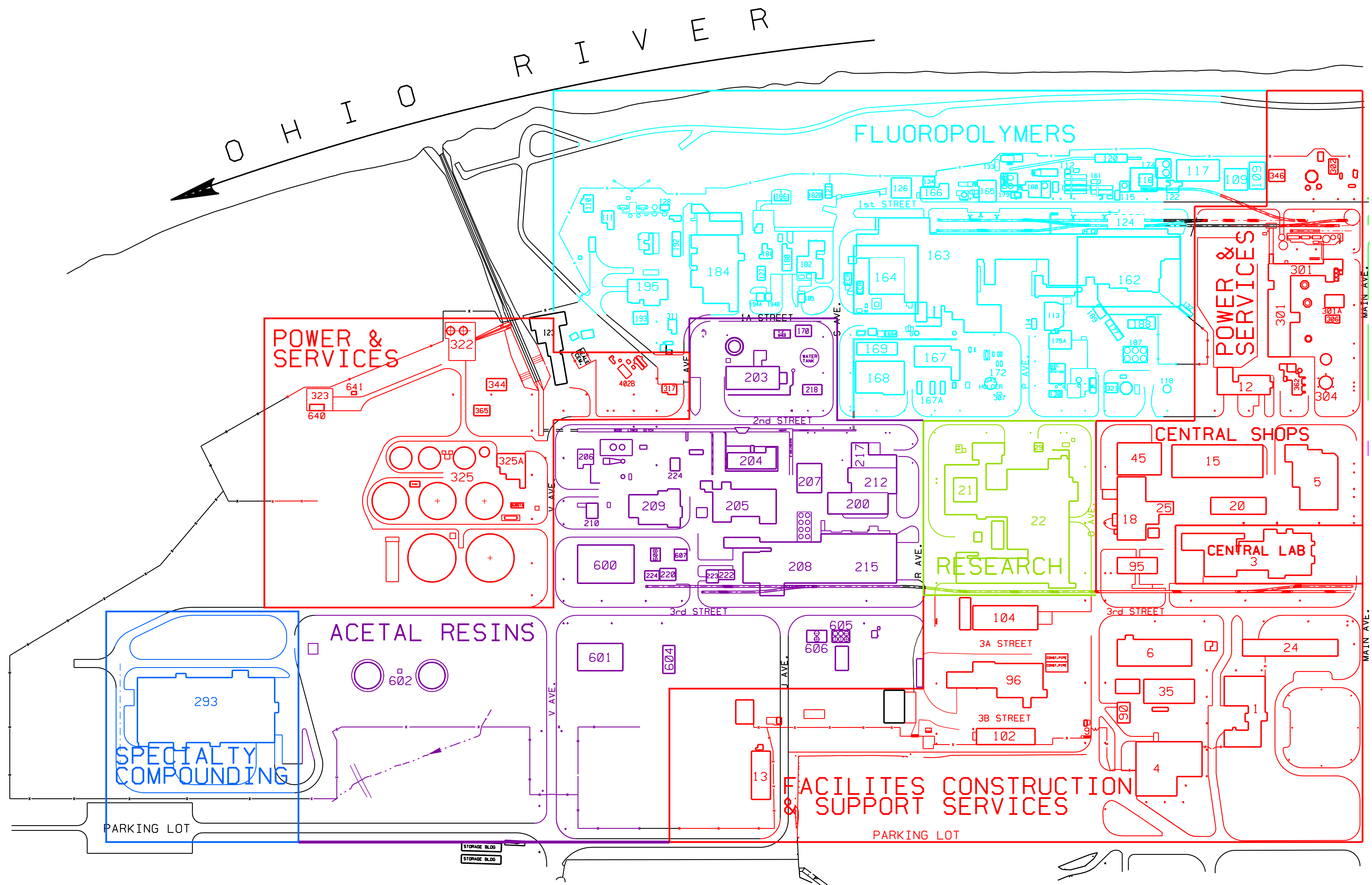
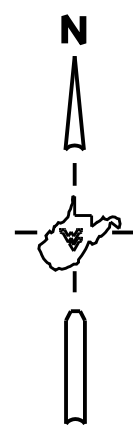
ATTACHMENT A

Area Map

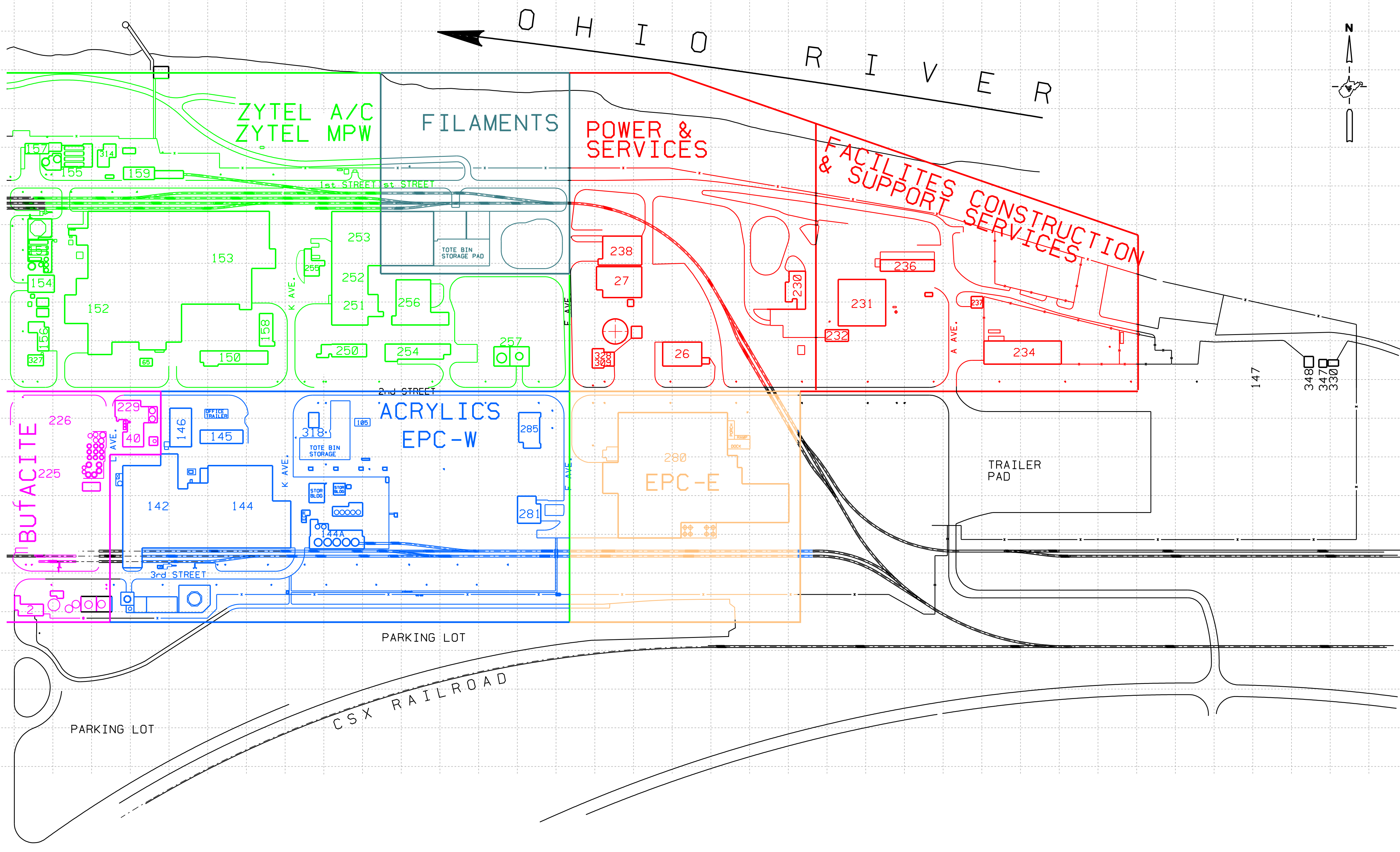


From Interstate 77, take exit 176 to US 50W towards Athens, Ohio.
Proceed west until exit for DuPont Rd (Rt-892). Then,
turn left (south) onto DuPont Rd, Rt-892.
Proceed approx. 1 mile to facility on right.

ATTACHMENT B –
Plot Plan of Facility

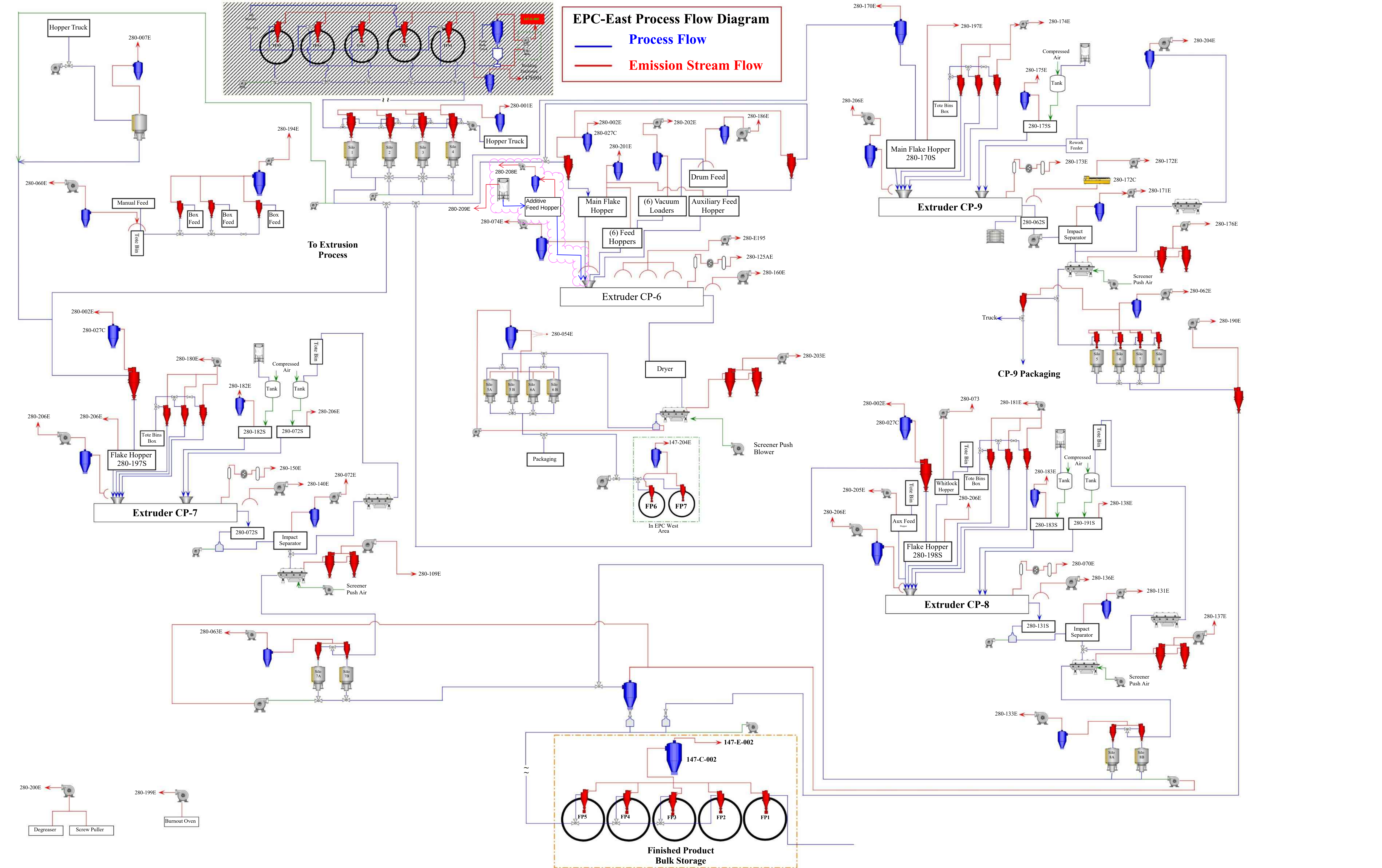


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SCALE - 1" = 300'				DATE			
DRAWN BY - JOE GASTON				11-29-01			
UPDATED BY - DAVE DRENNEN				12-5-01			
CHECKED BY -							
APPROVED BY -							
ELEC. CODE CLASS	WJ. NO.	FAA NUMBER	PROJ. NO.	WASHINGTON WORKS			
				WW M-809			
				AR			



WASHINGTON WORKS TITLE 5 APPLICATION UPDATE C-2B				THIS DRAWING HAS BEEN FURNISHED BY E.I. DUPONT DE NEMOURS & CO. THE INFORMATION AND DATA 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: 11-29-01 DRAWN BY: JOE GASTON 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	

ATTACHMENT C –
Process Flow Diagram



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 ID¹	Control Device¹	Emission Unit ID¹	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/Screeners 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
280-208E	280-208C	280-208S	CP6 Additive Feeder	500 pph	2023
280-209E	280-209C	280-209S	CP6 Additive Station	500 pph	2023

¹For 45CSR13 permitted sources, the numbering system used for the emission points, control devices, and emission units should be consistent with the numbering system used in the 45CSR13 permit. For grandfathered sources, the numbering system should be consistent with registrations or emissions inventory previously submitted to DAQ. For emission points, control devices, and emissions units which have not been previously labeled, use the following 45CSR13 numbering system: 1S, 2S, 3S,... or other appropriate description for emission units; 1C, 2C, 3C,... or other appropriate designation for control devices; 1E, 2E, 3E, ... or other appropriate designation for emission points.

Title V Equipment Table

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ATTACHMENT E –
Equipment Unit Form(s)

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number: 280-CP7	Emission unit name: CP7 Vacuum System - 280-150E	List any control devices associated with this emission unit:	
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: WP	Model number: ZSK 120	Serial number: 177-604-024-1-1	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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 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: 280-CP8	Emission unit name: CP8 Extruder	List any control devices associated with this emission unit:	
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: WP	Model number: ZSK 120	Serial number: 1766130	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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)	0.1	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 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: 280-CP8	Emission unit name: CP8 Extruder	List any control devices associated with this emission unit: 	
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: WP	Model number: ZSK 120	Serial number: 1766130	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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})	0.03	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 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: 280-CP8	Emission unit name: CP8 Extruder	List any control devices associated with this emission unit: 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: WP	Model number: ZSK 120	Serial number: 1766130	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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})	0.2	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 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: 280-CP9	Emission unit name: CP9 Extruder	List any control devices associated with this emission unit: 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: Anderson	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 2003	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10000 pph			
Maximum Hourly Throughput: 10000 pph	Maximum Annual Throughput: 43800 tn/yr	Maximum Operating Schedule: 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	0.2
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: 280-CP9	Emission unit name: CP9 Extruder	List any control devices associated with this emission unit: 	
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: WP	Model number: 133MM	Serial number: 180832	
Construction date: N/A	Installation date: 2003	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10000 pph			
Maximum Hourly Throughput: pph	Maximum Annual Throughput: tn/yr	Maximum Operating Schedule: 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: 280-CP9	Emission unit name: CP9 Extruder	List any control devices associated with this emission unit: 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: WP	Model number: 133MM	Serial number: 180832	
Construction date: N/A	Installation date: 1999	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10000 pph			
Maximum Hourly Throughput: 10000 pph	Maximum Annual Throughput: 43800 tn/yr	Maximum Operating Schedule: 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	0.02
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: FP1	Emission unit name: Finished Product Silos	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 120000 pph			
Maximum Hourly Throughput: 120000 pph	Maximum Annual Throughput: 525600 tn/yr	Maximum Operating Schedule: 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})		
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: FP2	Emission unit name: Finished Product Silos	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 120000 pph			
Maximum Hourly Throughput: 120000 pph	Maximum Annual Throughput: 525600 tn/yr	Maximum Operating Schedule: 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})		
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: FP3	Emission unit name: Finished Product Silos	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 120000 pph			
Maximum Hourly Throughput: 120000 pph	Maximum Annual Throughput: 525600 tn/yr	Maximum Operating Schedule: 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})		
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: FP4	Emission unit name: Finished Product Silos	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 120000 pph			
Maximum Hourly Throughput: 120000 pph	Maximum Annual Throughput: 525600 tn/yr	Maximum Operating Schedule: 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})		
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: FP5	Emission unit name: Finished Product Silos	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 120000 pph			
Maximum Hourly Throughput: 120000 pph	Maximum Annual Throughput: 525600 tn/yr	Maximum Operating Schedule: 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})		
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: TFN1	Emission unit name: Raw Material Storage Silos	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 184000 pph			
Maximum Hourly Throughput: 184000 pph	Maximum Annual Throughput: 805920 tn/yr	Maximum Operating Schedule: 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	0.02
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: TFN2	Emission unit name: Raw Material Storage Silos	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 184000 pph			
Maximum Hourly Throughput: 184000 pph	Maximum Annual Throughput: 805920 tn/yr	Maximum Operating Schedule: 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	0.02
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: TFN3	Emission unit name: Raw Material Storage Silos	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 184000 pph			
Maximum Hourly Throughput: 184000 pph	Maximum Annual Throughput: 805920 tn/yr	Maximum Operating Schedule: 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	0.02
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: TFN4	Emission unit name: Raw Material Storage Silos	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 184000 pph			
Maximum Hourly Throughput: 184000 pph	Maximum Annual Throughput: 805920 tn/yr	Maximum Operating Schedule: 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	0.02
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: TFN5	Emission unit name: Raw Material Storage Silos	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 184000 pph			
Maximum Hourly Throughput: 184000 pph	Maximum Annual Throughput: 805920 tn/yr	Maximum Operating Schedule: 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	0.02
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: 143-001S	Emission unit name: Raw Material Storage Silo	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 48000 pph			
Maximum Hourly Throughput: 96000 pph	Maximum Annual Throughput: 420480 tn/yr	Maximum Operating Schedule: 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: 143-002S	Emission unit name: Raw Material Storage Silo	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 48000 pph			
Maximum Hourly Throughput: 96000 pph	Maximum Annual Throughput: 420480 tn/yr	Maximum Operating Schedule: 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: 143-003S	Emission unit name: Raw Material Storage Silo	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 48000 pph			
Maximum Hourly Throughput: 48000 pph	Maximum Annual Throughput: 210240 tn/yr	Maximum Operating Schedule: 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: 143-004S	Emission unit name: Raw Material Storage Silo	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 48000 pph			
Maximum Hourly Throughput: 48000 pph	Maximum Annual Throughput: 210240 tn/yr	Maximum Operating Schedule: 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: 143-005S	Emission unit name: Raw Material Storage Silo	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 48000 pph			
Maximum Hourly Throughput: 48000 pph	Maximum Annual Throughput: 210240 tn/yr	Maximum Operating Schedule: 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: 143-006S	Emission unit name: Raw Material Storage Silo	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 48000 pph			
Maximum Hourly Throughput: 48000 pph	Maximum Annual Throughput: 210240 tn/yr	Maximum Operating Schedule: 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: 143-007S	Emission unit name: Raw Material Storage Silo	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 48000 pph			
Maximum Hourly Throughput: 48000 pph	Maximum Annual Throughput: 210240 tn/yr	Maximum Operating Schedule: 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: 143-008S	Emission unit name: Raw Material Storage Silo	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 48000 pph			
Maximum Hourly Throughput: 48000 pph	Maximum Annual Throughput: 210240 tn/yr	Maximum Operating Schedule: 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: 143-009S	Emission unit name: Raw Material Storage Silo	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 48000 pph			
Maximum Hourly Throughput: 48000 pph	Maximum Annual Throughput: 210240 tn/yr	Maximum Operating Schedule: 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: 143-010S	Emission unit name: Raw Material Storage Silo	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 48000 pph			
Maximum Hourly Throughput: 48000 pph	Maximum Annual Throughput: 210240 tn/yr	Maximum Operating Schedule: 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: 143-011S	Emission unit name: Raw Material Storage Silo	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 48000 pph			
Maximum Hourly Throughput: 48000 pph	Maximum Annual Throughput: 210240 tn/yr	Maximum Operating Schedule: 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: 143-012S	Emission unit name: Raw Material Storage Silo	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 48000 pph			
Maximum Hourly Throughput: 48000 pph	Maximum Annual Throughput: 210240 tn/yr	Maximum Operating Schedule: 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: 147-003S	Emission unit name: Blenders #1,2 Load Vent	List any control devices associated with this emission unit: 	
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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 40000 pph			
Maximum Hourly Throughput: 40000 pph	Maximum Annual Throughput: 175200 tn/yr	Maximum Operating Schedule: 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: 147-005S	Emission unit name: Bulk Unloading	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Bulk Unloading (Bulk Unloading) -Vents through 147-005E			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1980	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 20000 pph			
Maximum Hourly Throughput: 20000 pph	Maximum Annual Throughput: 87600 tn/yr	Maximum Operating Schedule: 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: 147-204S	Emission unit name: FPS 6/7Silo Transfer System	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1988	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 50000 pph			
Maximum Hourly Throughput: 50000 pph	Maximum Annual Throughput: 109500 tn/yr	Maximum Operating Schedule: 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)	0.04	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: 280-001S	Emission unit name: Feed Silos 1-4 Bulk Flake Transfer	List any control devices associated with this emission unit: 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: Several Different Unit	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1967	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 50000 pph			
Maximum Hourly Throughput: 34500 pph	Maximum Annual Throughput: 151110 pph	Maximum Operating Schedule: 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: 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)	0.04	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: 280-002S	Emission unit name: CP6, CP7, & CP8 Main Flake Hopper	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1967	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 50000 pph			
Maximum Hourly Throughput: 50000 pph	Maximum Annual Throughput: 109500 tn/yr	Maximum Operating Schedule: 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)	0.03	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: 280-002S	Emission unit name: CP9 Main Flake CPS Bin Vent	List any control devices associated with this emission unit: 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: 75	Model number: 721	Serial number: 61.23142251	
Construction date: N/A	Installation date: 1999	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 50000 pph			
Maximum Hourly Throughput: 50000 pph	Maximum Annual Throughput: 109500 tn/yr	Maximum Operating Schedule: 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: 280-007S	Emission unit name: 100 Area Silo 6 Conveying Bin Vent	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1988	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 50000 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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)	0.02	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: 280-060S	Emission unit name: 100 Area tote bin blending ventilation system	List any control devices associated with this emission unit: 	
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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1988	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 20000 pph			
Maximum Hourly Throughput: 10000 pph	Maximum Annual Throughput: 43800 tn/yr	Maximum Operating Schedule: 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: 280-062S	Emission unit name: CP9 Cutter	List any control devices associated with this emission unit: 	
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: CONAIR	Model number: 9024 10-92965	Serial number: 20-240695 GW	
Construction date: N/A	Installation date: 1999	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 50000 pph			
Maximum Hourly Throughput: 10000 pph	Maximum Annual Throughput: 9636 tn/yr	Maximum Operating Schedule: 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	0.02
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: 280-062S	Emission unit name: CP9 Cutter	List any control devices associated with this emission unit: 	
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: CONAIR	Model number: 9024 10-92965	Serial number: 20-240695 GW	
Construction date: N/A	Installation date: 1999	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10000 pph			
Maximum Hourly Throughput: 10000 pph	Maximum Annual Throughput: 43800 tn/yr	Maximum Operating Schedule: 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	0.02
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: 280-062S	Emission unit name: CP9 Cooler/Screeners Pull Blower	List any control devices associated with this emission unit: 	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CP9 Cooler/Screeners Exhaust (CP9 Cooler/Screeners (2007-0900-9005)) - Vents through 280-176E			
Manufacturer: WITTE-CO	Model number: 448-T-HC	Serial number: 4491	
Construction date: N/A	Installation date: 1999	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10000			
Maximum Hourly Throughput: 10000 pph	Maximum Annual Throughput: 43800 tn/yr	Maximum Operating Schedule: 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)	0.02	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: 280-062S	Emission unit name: CP9 Rework Transfer System	List any control devices associated with this emission unit: 	
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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1999	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10000 pph			
Maximum Hourly Throughput: 10000 pph	Maximum Annual Throughput: 43800 tn/yr	Maximum Operating Schedule: 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)	0.03	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: 280-072S	Emission unit name: CP7 Cutter	List any control devices associated with this emission unit: 	
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: AUTOMATIK	Model number: ATG-600	Serial number: 30-328-618	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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: 280-072S	Emission unit name: CP7 Cutter	List any control devices associated with this emission unit: 	
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: AUTOMATIK	Model number: ATG-600	Serial number: 30-328-618	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 50000 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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	0.01
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: 280-072S	Emission unit name: CP7 Cooler Screener	List any control devices associated with this emission unit: 	
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: THE WITTE CO	Model number: 4748-D-HC-3.5	Serial number: 4193-1	
Construction date: N/A	Installation date: 1985	Modification date(s): 9/18/1954	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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: 280-072S	Emission unit name: CP7 Cutter	List any control devices associated with this emission unit: 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: AUTOMATIK	Model number: ATG-600	Serial number: 30-328-618	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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	0.06
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: 280-073S	Emission unit name: CP8 Whitlock Hopper	List any control devices associated with this emission unit: 	
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: Whitlock	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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: 280-112S	Emission unit name: CP7 B1 Hopper	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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: 280-131S	Emission unit name: CP8 Cutter	List any control devices associated with this emission unit:	
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: AUTOMATIK	Model number: ATG300	Serial number: 30-328-619	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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: 280-131S	Emission unit name: CP8 Cutter	List any control devices associated with this emission unit: 	
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: AUTOMATIK	Model number: ATG300	Serial number: 30-328-619	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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: 280-131S	Emission unit name: CP8 Cooler Screener	List any control devices associated with this emission unit: 	
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: THE WITTE CO	Model number: 4748-D-HC-3.5	Serial number: 4193-1	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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	0.02
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: 280-174S	Emission unit name: CP9 Additive Feed Station System	List any control devices associated with this emission unit: 	
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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 2003	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10000 pph			
Maximum Hourly Throughput: 10000 pph	Maximum Annual Throughput: 43800 tn/yr	Maximum Operating Schedule: 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)	0.02	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: 280-175S	Emission unit name: CP9 Glass Hopper	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 2003	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10000 pph			
Maximum Hourly Throughput: 10,000 pph	Maximum Annual Throughput: 43800 tn/yr	Maximum Operating Schedule: 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)	0.04	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: 280-180S	Emission unit name: CP7 Additive Feed Station System	List any control devices associated with this emission unit:	
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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1999	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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: 280-181S	Emission unit name: CP8 Additive Feed Station System	List any control devices associated with this emission unit:	
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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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)	0.03	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: 280-182S	Emission unit name: CP7 Glass Hopper	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 3700 pph			
Maximum Hourly Throughput: 20000 pph	Maximum Annual Throughput: 28908 tn/yr	Maximum Operating Schedule: 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	0.02
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: 280-183S	Emission unit name: CP8 Glass Hopper	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1987	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 20000 pph			
Maximum Hourly Throughput: 20000 pph	Maximum Annual Throughput: 87600 tn/yr	Maximum Operating Schedule: 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	0.02
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: 280-186S	Emission unit name: CP6 Additive Drum Station	List any control devices associated with this emission unit: 	
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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1987	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10500 pph			
Maximum Hourly Throughput: 10500 pph	Maximum Annual Throughput: 45990 tn/yr	Maximum Operating Schedule: 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	0.02
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: 280-190S	Emission unit name: Silos #5-8 Bulk Conveyor	List any control devices associated with this emission unit: 	
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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1989	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 50000 pph			
Maximum Hourly Throughput: 50000 pph	Maximum Annual Throughput: 109500 tn/yr	Maximum Operating Schedule: 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: 280-191S	Emission unit name: CP8 Cutter	List any control devices associated with this emission unit: 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: AUTOMATIK	Model number: ATG300	Serial number: 30-328-619	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 20000 pph			
Maximum Hourly Throughput: 20000 pph	Maximum Annual Throughput: 87600 tn/yr	Maximum Operating Schedule: 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: 280-194S	Emission unit name: Collector 34	List any control devices associated with this emission unit:	
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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 50000 pph			
Maximum Hourly Throughput: 50000 pph	Maximum Annual Throughput: 109500 tn/yr	Maximum Operating Schedule: 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: 280-197S	Emission unit name: CP7 Main Flake Hopper	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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	0.03
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: 280-198S	Emission unit name: CP8 Main Flake Hopper	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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	0.03
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: 280-201S	Emission unit name: CP6 Feed Hoppers	List any control devices associated with this emission unit: 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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 2003	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10500 pph			
Maximum Hourly Throughput: 10500 pph	Maximum Annual Throughput: 45990 tn/yr	Maximum Operating Schedule: 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	0.02
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: 280-202S	Emission unit name: CP6 Vacuum Loaders	List any control devices associated with this emission unit: 	
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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 2003	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 30000 pph			
Maximum Hourly Throughput: 10500 pph	Maximum Annual Throughput: 45990 tn/yr	Maximum Operating Schedule: 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	0.10
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: 280-205S	Emission unit name: CP8 Auxillary Feed Hopper	List any control devices associated with this emission unit: 	
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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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	0.02
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 EPC-East Solvent Parts Cleaner

Emission unit ID number: 280-207S	Emission unit name: EPC-East Solvent Parts Cleaner	List any control devices associated with this emission unit: Work Practices
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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
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? ___ Yes <u> X </u> 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 **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.

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? ☒ 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: 280-208S	Emission unit name: CP6 Additive Feeder	List any control devices associated with this emission unit: 280-208C
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Provide a description of the emission unit (type, method of operation, design parameters, etc.; for engines, please indicate compression or spark ignition, lean or rich, four or two stroke, non-emergency or emergency, certified or not certified, as applicable)

Dry additive feeder pneumatic conveying for CP6 Extruder Line (emission point 280-208E)

Manufacturer: Coperion K-Tron	Model number:	Serial number:
Construction date: MM/DD/YYYY 01/2023	Installation date: MM/DD/YYYY February through July 2023	Modification date(s): MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks – gallons, boilers – MMBtu/hr, engines - hp):
 500 lb/hr

Maximum Hourly Throughput: 500 lb/hr	Maximum Annual Throughput: 2190 tons/year	Maximum Operating Schedule: 8760
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? ☐ Yes ☒ 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)	0.0075	3.285 E-05
Total Particulate Matter (TSP)		
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.).

Emission factor for pneumatic transfer of dry material with fabric filter.

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.

Subject to the particulate matter requirements of Rule 7 (45CSR7) and emission limits established in the Rule 13 permit.



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.)

Method 22 (VEO) monitoring 1/month at emission Point 280-208E. Method 9 (Opacity) if visible emissions are detected during VEO monitoring.

Record monthly Method 22 (VEO) results.

Record Method 9 (Opacity) results, as needed.

No reporting requirements unless specifically requested by the Director.

No testing requirement unless specifically requested by the Director.

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: 280-208S	Emission unit name: CP6 Additive Station	List any control devices associated with this emission unit: 280-209C
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Provide a description of the emission unit (type, method of operation, design parameters, etc.; for engines, please indicate compression or spark ignition, lean or rich, four or two stroke, non-emergency or emergency, certified or not certified, as applicable)

Dry additive station pneumatic conveying for CP6 Extruder Line (emission point 280-209E)

Manufacturer: Coperion K-Tron	Model number:	Serial number:
Construction date: MM/DD/YYYY 01/2023	Installation date: MM/DD/YYYY February through July 2023	Modification date(s): MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks – gallons, boilers – MMBtu/hr, engines - hp):
 500 lb/hr

Maximum Hourly Throughput: 500 lb/hr	Maximum Annual Throughput: 2190 tons/year	Maximum Operating Schedule: 8760
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? ☐ Yes ☒ 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)	0.0075	3.285 E-05
Total Particulate Matter (TSP)		
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.).

Emission factor for pneumatic transfer of dry material with fabric filter.

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.

Subject to the particulate matter requirements of Rule 7 (45CSR7) and emission limits established in the Rule 13 permit.



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.)

Method 22 (VEO) monitoring 1/month at emission Point 280-208E. Method 9 (Opacity) if visible emissions are detected during VEO monitoring.

Record monthly Method 22 (VEO) results.

Record Method 9 (Opacity) results, as needed.

No reporting requirements unless specifically requested by the Director.

No testing requirement unless specifically requested by the Director.

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: 280-CP6	Emission unit name: CP6 B1 Hopper	List any control devices associated with this emission unit:	
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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 2005	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10500 pph			
Maximum Hourly Throughput: 10500 pph	Maximum Annual Throughput: 45990 tn/yr	Maximum Operating Schedule: 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: 280-CP6	Emission unit name: CP6 Extruder Vacuum	List any control devices associated with this emission unit: 	
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: WP	Model number: ZSK-83	Serial number: 123696	
Construction date: N/A	Installation date: 2003	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10500 pph			
Maximum Hourly Throughput: 10500 pph	Maximum Annual Throughput: 45990 tn/yr	Maximum Operating Schedule: 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: 280-CP6	Emission unit name: CP6 Extruder Die	List any control devices associated with this emission unit: 	
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: WP	Model number: ZSK-83	Serial number: 123696	
Construction date: N/A	Installation date: 2003	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10500 pph			
Maximum Hourly Throughput: 10500 pph	Maximum Annual Throughput: 45990 tn/yr	Maximum Operating Schedule: 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})	0.03	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: 280-CP6	Emission unit name: CP6 Extruder Side feed	List any control devices associated with this emission unit: 	
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: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 2005	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10500 pph			
Maximum Hourly Throughput: 10500 pph	Maximum Annual Throughput: 45990 tn/yr	Maximum Operating Schedule: 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	0.19
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: 280-CP6	Emission unit name: CP6 Cooler/Screeners Pull Blower	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CP6 Cooler/Screeners Exhaust (CP6 Cooler/Screeners (2001-6002-5)) -Vents through 280-203E			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: N/A	Installation date: 2003	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10500 pph			
Maximum Hourly Throughput: 10500 pph	Maximum Annual Throughput: 45990 tn/yr	Maximum Operating Schedule: 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	0.02
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 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: 280-CP7	Emission unit name: CP7 Extruder Die Exhaust - 280-140E	List any control devices associated with this emission unit: 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: WP	Model number: ZSK 120	Serial number: 177-604-024-1-1	
Construction date: N/A	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7250 pph			
Maximum Hourly Throughput: 7250 pph	Maximum Annual Throughput: 31755 tn/yr	Maximum Operating Schedule: 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 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 F –

Schedule of Compliance Forms

None Required

ATTACHMENT G –
APCD UNIT DATA FORMS

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: 280-172C	List all emission units associated with this control device. 280-CP9 Emission Point ID 280-172E	
Manufacturer: Anderson	Model number:	Installation date:
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 x HEAF Filter ☐ 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
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: 280-175C	List all emission units associated with this control device. 280-175S Emission Point ID 280-175E	
Manufacturer: Young-Ind	Model number: 12251-33	Installation date: 1995
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)	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 Cloth Ratio ft/min, Baghouse # of Compartments, 1 Configuration, Open Pressure Fabric, PolyesterAir to		
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: 280-182C	List all emission units associated with this control device. 280-182S Emission Point ID 280-182E																																			
Manufacturer: Buhler-M	Model number: RPPR-10/6	Installation date: 1985																																		
Type of Air Pollution Control Device: <table style="width: 100%; border: none;"> <tr> <td>☒ Baghouse/Fabric Filter</td> <td>☐ Venturi Scrubber</td> <td>☐ Multiclone</td> </tr> <tr> <td>☐ Carbon Bed Adsorber</td> <td>☐ Packed Tower Scrubber</td> <td>☐ Single Cyclone</td> </tr> <tr> <td>☐ Carbon Drum(s)</td> <td>☐ Other Wet Scrubber</td> <td>☐ Cyclone Bank</td> </tr> <tr> <td>☐ Catalytic Incinerator</td> <td>☐ Condenser</td> <td>☐ Settling Chamber</td> </tr> <tr> <td>☐ Thermal Incinerator</td> <td>☐ Flare</td> <td>☐ Other (describe)</td> </tr> <tr> <td>☐ Wet Plate Electrostatic Precipitator</td> <td></td> <td>☐ Dry Plate Electrostatic Precipitator</td> </tr> </table>				☒ 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															
☒ 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. <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 33%;">Pollutant</th> <th style="width: 33%;">Capture Efficiency</th> <th style="width: 33%;">Control Efficiency</th> </tr> </thead> <tbody> <tr> <td>Particulate Matter (PM10)</td> <td>100</td> <td>99.6</td> </tr> <tr> <td>Particulate Matter (PM2.5)</td> <td>100</td> <td>99.6</td> </tr> <tr> <td>Total Particulate Matter (TSP)</td> <td>100</td> <td>99.6</td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>				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																					
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 Cloth Ratio ft/min, Baghouse # of Compartments, 1 Configuration, Open Pressure Fabric, PolyesterAir to																																				
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.

Control device ID number: 280-183C		List all emission units associated with this control device. 280-183S Emission Point ID 280-183E	
Manufacturer: Buhler-M		Model number: RPPR-10/6	
		Installation date: 1985	
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)	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: 280-201C	List all emission units associated with this control device. 280-201S Emission Point ID 201E	
Manufacturer: Torit (DCE)	Model number: 36PJD8-TRB-10	Installation date: 2003
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)	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, Ratio ft/min, Baghouse # of Compartments, 1 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: 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)
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Manufacturer: Tort Donaldson	Model number: 162MBT10	Installation date: 2014
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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	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 ☒ 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: 280-208C	List all emission units associated with this control device. 280-208S	
Manufacturer: FILT AIR™	Model number:	Installation date: MM/DD/YYYY 2023
Type of Air Pollution Control Device:		
☒ Baghouse/Fabric Filter ☐ Venturi Scrubber ☐ Multiclone ☐ Carbon Bed Absorber ☐ 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
dry additive	100%	99%
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).		
Reverse air flow continuous baghouse 37 ft² and one compartment		
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.		
Describe the parameters monitored and/or methods used to indicate performance of this control device.		
Monthly visible emission observation at emission point per permit requirements. Method 9 required if visible emissions not correct within 72 hours.		

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: 280-209C	List all emission units associated with this control device. 280-208S	
Manufacturer: FILT AIR™	Model number:	Installation date: MM/DD/YYYY 2023
Type of Air Pollution Control Device:		
☒ Baghouse/Fabric Filter ☐ Venturi Scrubber ☐ Multiclone ☐ Carbon Bed Absorber ☐ 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
dry additive	100%	99%
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).		
Reverse air flow continuous baghouse 37 ft² and one compartment		
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.		
Describe the parameters monitored and/or methods used to indicate performance of this control device.		
Monthly visible emission observation at emission point per permit requirements. Method 9 required if visible emissions not correct within 72 hours.		

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: 143-001C	List all emission units associated with this control device. 143-002S, 143-001S Emission Point ID 143-001E	
Manufacturer: Premier Pneumatics	Model number: 53409-13	Installation date:
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: 143-003C	List all emission units associated with this control device. 143-003S,	
Manufacturer: Young Industries	Model number: HM 48-25	Installation date:
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: 143-004C		List all emission units associated with this control device. 143-004S,	
Manufacturer: Young Industries		Model number: HM 48-25	
		Installation date:	
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	
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: 143-005C	List all emission units associated with this control device. 143-012S, 143-011S, 143-006S, 143-005S Emission Point ID 143-005E	
Manufacturer: Premier Pneumatics	Model number: 53409-13	Installation date:
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
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: 143-006C	List all emission units associated with this control device. 143-010S Emission Point ID 143-006E	
Manufacturer: Young Industries	Model number: HM 48-25	Installation date:
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: 143-007C	List all emission units associated with this control device. 143-008S Emission Point ID 143-007E	
Manufacturer: Young Industries	Model number: HM 48-25	Installation date:
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: 143-008C	List all emission units associated with this control device. 143-009S Emission Point ID 143-008E	
Manufacturer: Young Industries	Model number: HM 48-25	Installation date:
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: 143-009C	List all emission units associated with this control device. 143-007S Emission Point ID 143-009E	
Manufacturer: Young Industries	Model number: HM 48-25	Installation date:
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: 147-001C	List all emission units associated with this control device. TFN5, TFN4, TFN3, TFN2, TFN1 Emission Point ID 147-001E	
Manufacturer: Micro Pulsaire	Model number: 	Installation date:
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
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: 147-002C	List all emission units associated with this control device. FP5, FP4, FP3, FP2, FP1 Emission Point ID 147-002E																																		
Manufacturer: Premier Pneumatics	Model number: P5181117	Installation date:																																	
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. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Pollutant</th> <th style="width: 33%;">Capture Efficiency</th> <th style="width: 33%;">Control Efficiency</th> </tr> </thead> <tbody> <tr> <td>Particulate Matter (PM10)</td> <td>99</td> <td>99</td> </tr> <tr> <td>Total Particulate Matter (TSP)</td> <td>99</td> <td>99</td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>			Pollutant	Capture Efficiency	Control Efficiency	Particulate Matter (PM10)	99	99	Total Particulate Matter (TSP)	99	99																								
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: 147-204C	List all emission units associated with this control device. 147-204S Emission Point ID 147-204E	
Manufacturer: Flex-Kleen	Model number: 84CT18III	Installation date:
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.).		
Collection Efficiency, Ratio Baghouse # of Compartments, 1 Configuration, Open Pressure Fabric, Polyester Air to Cloth ft/min, 4.9		
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: 280-007C	List all emission units associated with this control device. 280-007S Emission Point ID 280-007E	
Manufacturer: Mikropul	Model number: 19-8-60TR "B"	Installation date: 1967
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)	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 Cloth Ratio ft/min, Baghouse # of Compartments, 1 Configuration, Open Pressure Fabric, PolyesterAir to		
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: 280-026C	List all emission units associated with this control device. 280-001S Emission Point ID 280-001E		
Manufacturer: Flex-Kleen	Model number: 84CT38III	Installation date: 	
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)	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, Polyester Cloth Ratio ft/min, Air to			
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: 280-027C	List all emission units associated with this control device. 280-002S Emission Point ID 280-002E		
Manufacturer: Flex-Kleen	Model number: 84CT18III	Installation date: 	
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)	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 Cloth Ratio ft/min, 6 Baghouse # of Compartments, 1 Configuration, Open Pressure Fabric, PolyesterAir to			
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) ☒ 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 ☒ 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: 280-170C	List all emission units associated with this control device. 280-002S Emission Point ID 280-170E	
Manufacturer: Flex-Kleen	Model number: 84CT38III	Installation date:
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)	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 Cloth Ratio ft/min, Baghouse # of Compartments, 1 Configuration, Open Pressure Fabric, PolyesterAir to		
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 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 ☒ **X** 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
<u>EXAMPLE</u> 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

^aIf 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).

^bIndicate 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).

^cIndicate 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 <u>MONITORING APPROACH</u> used to measure the indicators:			
^b Establish the appropriate <u>INDICATOR RANGE</u> or the procedures for establishing the indicator range which provides a reasonable assurance of compliance:			
5b) PERFORMANCE CRITERIA Provide the <u>SPECIFICATIONS FOR OBTAINING REPRESENTATIVE DATA</u> , such as detector location, installation specifications, and minimum acceptable accuracy:			
^c For new or modified monitoring equipment, provide <u>VERIFICATION PROCEDURES</u> , including manufacturer's recommendations, <u>TO CONFIRM THE OPERATIONAL STATUS</u> of the monitoring:			
Provide <u>QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC) PRACTICES</u> that are adequate to ensure the continuing validity of the data, (i.e., daily calibrations, visual inspections, routine maintenance, RATA, etc.):			
^d Provide the <u>MONITORING FREQUENCY</u> :			
Provide the <u>DATA COLLECTION PROCEDURES</u> that will be used:			
Provide the <u>DATA AVERAGING PERIOD</u> 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:

PTE Part 6 of 14 Ton Per Year (TPY)

Emission Point ID ¹	Control Device ¹	Emission Unit ID ¹	Emission Unit Description	TSP	PM10	PM2.5	CO	VOC	THAPs
147-002E	147-002C	FP1	Finished Product Silo	0.02	0.02	0.01			
147-001E	147-001C	TFN1	Raw Material Storage Silo	0.02	0.01	0.01			
143-001E	143-001C	143-001S	Raw Material Storage Silo	0.01	0.01	0.01			
143-003E	143-003C	143-003S	Raw Material Storage Silo	0.01	0.01	0.01			
143-004E	143-004C	143-004S	Raw Material Storage Silo	0.01	0.01	0.01			
143-005E	143-005C	143-005S	Raw Material Storage Silo	0.01	0.01	0.01			
143-009E	143-009C	143-007S	Raw Material Storage Silo	0.01	0.01	0.01			
143-007E	143-007C	143-008S	Raw Material Storage Silo	0.01	0.01	0.01			
143-008E	143-008C	143-009S	Raw Material Storage Silo	0.01	0.01	0.01			
143-006E	143-006C	143-010S	Raw Material Storage Silo	0.01	0.01	0.01			
143-005E	143-005C	143-011S	Raw Material Storage Silo	0.01	0.01	0.01			
147-003E	N/A	147-003S	Blenders #1, 2 Load Vent	0.01	0.01	0.01			
147-005E	N/A	147-005S	Bulk Unloading	0.01	0.01	0.01			
147-204E	147-204C Baghouse	147-204S	FPS 6/Silo Transfer System	0.09	0.01	0.01			
280-001E	280-026C Baghouse	280-001S	Feed Silos 1-4 Bulk Flake Transfer	0.28	0.07	0.01			
280-002E	280-027C Baghouse	280-002S	CP6, CP7, & CP8 Main Flake Hopper	0.22	0.05	0.01			
280-170E	280-170C Baghouse	280-002S	CP9 Main Flake CPS Bin Vent	0.01	0.01	0.01			
280-007E	280-007C Baghouse	280-007S	100 Area Silo 6 Conveying Bin Vent	0.04	0.01	0.01			
280-060E	N/A	280-060S	100 Area Tote Bin Blending Ventilation System	0.01	0.01	0.01			
280-062E	N/A	280-062S	CP9 Cutter	0.02	0.01	0.01			
280-171E	N/A	280-062S	CP9 Cutter	0.27	0.02	0.01			
280-176E	N/A	280-062S	CP9 Cooler/Screeners Pull Blower	0.14	0.07	0.01			
280-204E	N/A	280-062S	CP9 Rework Transfer System	0.06	0.01	0.01			
280-063E	N/A	280-072S	CP7 Cutter	0.01	0.01	0.01			
280-072E	N/A	280-072S	CP7 Cutter	0.01	0.01	0.01			

280-109E	N/A	280-072S	CP7 Cooler Screener	0.04	0.03	0.01			
280-206E	280-206C	280-072S	CP7 Cutter	0.93	0.06	0.01			
280-073E	N/A	280-073S	CP8 Whitlock Hopper	0.01	0.01	0.01			
280-206E	280-206C	280-112S	CP7 B1 Hopper	0.01	0.01	0.01			
280-131E	N/A	280-131S	CP8 Cutter	0.01	0.01	0.01			
280-133E	N/A	280-131S	CP8 Cutter	0.01	0.01	0.01			
280-137E	N/A	280-131S	CP8 Cooler Screener	0.03	0.02	0.01			
280-174E	N/A	280-174S	CP9 Additive Feed Station System	0.06	0.05	0.01			
280-175E	280-175C Bag Filter	280-175S	C9 Glass Hopper	0.08	0.08	0.01			
280-180E	N/A	280-180S	CP7 Additive Feed Station System	0.03	0.01	0.01			
280-181E	N/A	280-181S	CP8 Additive Feed Station System	0.11	0.01	0.01			
280-182E	280-182C Baghouse	280-182S	CP7 Glass Hopper	0.09	0.02	0.01			
280-183E	280-183C Baghouse	280-183S	CP8 Glass Hopper	0.09	0.02	0.01			
280-186E	N/A	280-186S	CP6 Additive Drum Station	0.06	0.02	0.01			
280-190E	N/A	280-190S	Silos #5-8 Bulk Conveyor	0.01	0.01	0.01			
280-206E	280-206C	280-191S	CP8 Cutter	0.04	0.01	0.01			
280-194E	N/A	280-194S	Collector 34	0.01	0.01	0.01			
280-206E	280-206C	280-197S	CP7 Main Flake Hopper	0.40	0.03	0.01			
280-206E	280-206C	280-198S	CP8 Main Flake Hopper	0.40	0.03	0.01			
280-201E	280-201C Baghouse	280-201S	CP6 Feed Hoppers	0.06	0.02	0.01			
280-202E	N/A	280-202S	CP6 Vacuum Loaders	0.20	0.10	0.01			
280-205E	N/A	280-205S	CP8 Auxillary Feed Hopper	0.58	0.12	0.02			
280-074E	N/A	280-CP6	CP6 B1 Hopper	0.01	0.01	0.01			
280-125AE	N/A	280-CP6	CP6 Extruder	0.01	0.01	0.01	0.19	0.51	0.01
280-160E	N/A	280-CP6	CP6 Extruder	6.12	6.12	0.10	0.19	0.51	0.01
280-195E	N/A	280-CP6	CP6 Extruder	3.50	3.50	0.19			
280-203E	N/A	280-CP6	CP6 Cooler/Screener Pull Blower	0.74	0.15	0.02			
280-140E	280-140C	280-CP7	CP7 Extruder Die Exhaust	0.32	0.32	0.03	0.14	0.35	0.01
280-150E	N/A	280-CP7	CP7 Vacuum System	0.03	0.03	0.01	0.14	0.35	0.26
280-070E	N/A	280-CP8	CP8 Extruder	0.01	0.01	0.01	0.14	0.35	0.01
280-136E	N/A	280-CP8	CP8 Extruder	4.23	4.23	0.10	0.14	0.35	0.01

280-206E	280-206C	280-CP8	CP8 Extruder	3.95	0.87	0.08			
280-172E	280-172C	280-CP9	CP9 Extruder	2.72	2.72	0.10	0.2	0.69	0.13
280-173E	N/A	280-CP9	CP9 Extruder	0.18	0.18	0.01	0.2	0.01	0.18
280-206E	280-206C	280-CP9	CP9 Extruder	0.06	0.02	0.01			
Fugitive	N/A	280-207S	EPC-East Solvent Parts Cleaner					0.24	
280-208E	280-208C	280-208S	CP6 Additive Feeder	0.01	0.01	0.01			
280-209E	280-209C	280-280S	CP6 Additive Station	0.01	0.01	0.01			
			Tons Per Year Total	26.48	19.32	1.19	1.34	3.36	0.62

West Virginia Department of Environmental Protection
Division of Air Quality

Harold Ward
Cabinet Secretary

Permit to Operate



Pursuant to
Title V
of the Clean Air Act

Issued to:
Celanese Polymer Products, LLC
Washington Works
Engineering Polymers (EPC) - East (Part 6 of 14)
R30-10700208-2020

Laura M. Crowder
Director, Division of Air Quality

Issued: September 10, 2020 • Effective: September 24, 2020
Expiration: September 10, 2025 • Renewal Application Due: March 10, 2025

Permit Number: **R30-10700208-2020 (6 of 14)**
Permittee: **Celanese Polymer Products, LLC**
Facility Name: **Washington Works**
Business Unit: **Engineering Polymers (EPC) – East**
Permittee Mailing Address: **P.O. Box 2600, Washington, WV 26181-2600**

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45CSR30 C Requirements for Operating Permits. The permittee identified at the above-referenced facility is authorized to operate the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Facility Location:	Washington, Wood County, West Virginia
Facility Mailing Address:	P. O. Box 2600, Washington, WV 26181-2600
Telephone Number:	(304) 863-4240
Type of Business Entity:	LLC
Facility Description:	Chemical and Plastic Resins Manufacturing
SIC Codes:	2821
UTM Coordinates:	442.368 Easting \$ 4,346.679 Northing \$ Zone 17

Permit Writer: Mike Egnor

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

Issuance of this Title V Operating Permit does not supersede or invalidate any existing permits under 45CSR13, 14 or 19, although all applicable requirements from such permits governing the facility's operation and compliance have been incorporated into the Title V Operating Permit.

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1.0 Emission Units and Active R13, R14, and R19 Permits

1.1 Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
FP1	147-002E	Finished Product Silos	1980	12000 pph	147-002C
FP2	147-002E	Finished Product Silos	1980	12000 pph	147-002C
FP3	147-002E	Finished Product Silos	1980	12000 pph	147-002C
FP4	147-002E	Finished Product Silos	1980	12000 pph	147-002C
FP5	147-002E	Finished Product Silos	1980	12000 pph	147-002C
TFN1	147-001E	Raw Material Storage Silo	1980	184000 lbs	147-001C
TFN2	147-001E	Raw Material Storage Silo	1980	184000 lbs	147-001C
TFN3	147-001E	Raw Material Storage Silo	1980	184000 lbs	147-001C
TFN4	147-001E	Raw Material Storage Silo	1980	184000 lbs	147-001C
TFN5	147-001E	Raw Material Storage Silo	1980	184000 lbs	147-001C
143-001S	143-001E	Raw Material Storage Silo	1980	48000 lbs	143-001C
143-002S	143-001E	Raw Material Storage Silo	1980	48000 lbs	143-001C
143-003S	143-003E	Raw Material Storage Silo	1980	48000 lbs	143-003C
143-004S	143-004E	Raw Material Storage Silo	1980	48000 lbs	143-004C
143-005S	143-005E	Raw Material Storage Silo	1980	48000 lbs	143-005C
143-006S	143-005E	Raw Material Storage Silo	1980	48000 lbs	143-005C
143-007S	143-009E	Raw Material Storage Silo	1980	48000 lbs	143-009C
143-008S	143-007E	Raw Material Storage Silo	1980	48000 lbs	143-007C
143-009S	143-008E	Raw Material Storage Silo	1980	48000 lbs	143-008C
143-010S	143-006E	Raw Material Storage Silo	1980	48000 lbs	143-006C
143-011S	143-005E	Raw Material Storage Silo	1980	48000 lbs	143-005C
143-012S	143-005E	Raw Material Storage Silo	1980	48000 lbs	143-005C
147-003S	147-003E	Blenders #1, 2 Load Vent	1980	40000 lbs	n/a
147-005S	147-005E	Bulk Unloading	1980	20000 lbs	n/a
147-204S	147-204E	FPS 6/Silo Transfer System	1988	50,000 pph	147-204C Baghouse
280-001S	280-001E	Feed Silos 1-4 Bulk Flake Transfer	1967	50,000 pph	280-026C Baghouse
280-002S	280-002E	CP6, CP7 & CP8 Main Flake Hopper	1967	50,000 pph	280-027C Baghouse
280-002S	280-170E	CP9 Main Flake CPS Bin Vent	1999	50,000 pph	280-170C Bag Filter
280-007S	280-007E	100 Area Silo 6 Conveying Bin Vent	1988	50,000 pph	280-007C Baghouse
280-060S	280-060E	100 Area tote bin blending ventilation system	1988	20,000 pph	None
280-062S	280-062E	CP9 Cutter	1999	50,000 pph	None
280-062S	280-171E	CP9 Cutter	1999	10,000 pph	None
280-062S	280-176E	CP9 Cooler/Screeners Pull Blower	1999	10,000 pph	None
280-062S	280-204E	CP9 Rework Transfer System	1999	10,000 pph	None

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
280-072S	280-063E	CP7 Cutter	1985	7,250 pph	None
280-072S	280-072E	CP7 Cutter	1985	50,000 pph	None
280-072S	280-109E	CP7 Cooler Screener	1985	7,250 pph	None
280-072S	280-206E	CP7 Cutter	1985	7,250 pph	280-206C
280-073S	280-073E	CP8 Whitlock Hopper	1985	7,250 pph	None
280-112S	280-206E	CP7 B1 Hopper	1985	7,250 pph	280-206C
280-131S	280-131E	CP8 Cutter	1985	7,250 pph	None
280-131S	280-133E	CP8 Cutter	1985	7,250 pph	None
280-131S	280-137E	CP8 Cooler Screener	1985	7,250 pph	None
280-174S	280-174E	CP9 Additive Feed Station System	2003	10,000 pph	None
280-175S	280-175E	CP9 Glass Hopper	2003	10,000 pph	280-175C Bag Filter
280-180S	280-180E	CP7 Additive Feed Station System	1999	7,250 pph	None
280-181S	280-181E	CP8 Additive Feed Station System	1985	7,250 pph	None
280-182S	280-182E	CP7 Glass Hopper	1985	3,700 pph	280-182C Baghouse
280-183S	280-183E	CP8 Glass Hopper	1987	20,000 pph	280-183C Baghouse
280-186S	280-186E	CP6 Additive Drum Station	1987	10,000 pph	None
280-208S	280-208E	CP6 Additive Feeder	2022	500 pph	280-208C
280-208S	280-209E	CP6 Additive Station	2022	500 pph	280-209C
280-190S	280-190E	Silos#5-8 Bulk Conveyor	1989	50,000 pph	None
280-191S	280-206E	CP8 Cutter	1985	20,000 pph	280-206C
280-194S	280-194E	Collector 34	1985	50,000 pph	None
280-197S	280-206E	CP7 Main Flake Hopper	1985	7,250 pph	280-206C
280-198S	280-206E	CP8 Main Flake Hopper	1985	7,250 pph	280-206C
280-201S	280-201E	CP6 Feed Hoppers	2003	10,000pph	280-201C Baghouse
280-202S	280-202E	CP6 Vacuum Loaders	2003	30,000 pph	None
280-205S	280-205E	CP8 Auxiliary Feed Hopper	1985	7,250 pph	None
280-CP6	280-074E	CP6 B1 Hopper	2005	10,500 pph	None
280-CP6	280-125AE	CP6 Extruder	2003	10,500 pph	None
280-CP6	280-160E	CP6 Extruder	2003	10,500 pph	None
280-CP6	280-195E	CP6 Extruder	2005	10,500 pph	None

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
280-CP6	280-203E	CP6 Cooler/Screening Pull Blower	2003	10,500 pph	None
280-CP7	280-140E	CP7 Extruder Die Exhaust	1985	7,250 pph	280-140C
280-CP7	280-150E	CP7 Vacuum System	1985	7,250 pph	None
280-CP8	280-070E	CP8 Extruder	1985	7,250 pph	None
280-CP8	280-136E	CP8 Extruder	1985	7,250 pph	None
280-CP8	280-206E	CP8 Extruder	1985	7,250 pph	280-206C
280-CP9	280-172E	CP9 Extruder	2003	10,000 pph	280-172C HEAF
280-CP9	280-173E	CP9 Extruder	2003	10,000 pph	None
280-CP9	280-206E	CP9 Extruder	1999	10,000 pph	280-206C
280-207S	Fugitive	EPC-East Solvent Parts Cleaner	1980's	76 gallon	None

1.2. Active R13, R14, and R19 Permits

The underlying authority for any conditions from R13, R14, and/or R19 permits contained in this operating permit is cited using the original permit number (e.g. R13-1234). The current applicable version of such permit(s) is listed below.

Permit Number	Date of Issuance
R13-2244J	January 25, 2023
R13-3574A	August 14, 2024

2.0 General Conditions

2.1. Definitions

- 2.1.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.
- 2.1.2. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.
- 2.1.3. "Secretary" means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45CSR§30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.
- 2.1.4. Unless otherwise specified in a permit condition or underlying rule or regulation, all references to a "rolling yearly total" shall mean the sum of the monthly data, values or parameters being measured, monitored, or recorded, at any given time for the previous twelve (12) consecutive calendar months.

2.2. Acronyms

CAAA	Clean Air Act Amendments	NSPS	New Source Performance
CBI	Confidential Business Information		Standards
CEM	Continuous Emission Monitor	PM	Particulate Matter
CES	Certified Emission Statement	PM₁₀	Particulate Matter less than 10µm in diameter
C.F.R. or CFR	Code of Federal Regulations		
CO	Carbon Monoxide	pph	Pounds per Hour
C.S.R. or CSR	Codes of State Rules	ppm	Parts per Million
DAQ	Division of Air Quality	PSD	Prevention of Significant Deterioration
DEP	Department of Environmental Protection	psi	Pounds per Square Inch
FOIA	Freedom of Information Act	SIC	Standard Industrial Classification
HAP	Hazardous Air Pollutant		
HON	Hazardous Organic NESHAP	SIP	State Implementation Plan
HP	Horsepower	SO₂	Sulfur Dioxide
lbs/hr or lb/hr	Pounds per Hour	TAP	Toxic Air Pollutant
LDAR	Leak Detection and Repair	TPY	Tons per Year
m	Thousand	TRS	Total Reduced Sulfur
MACT	Maximum Achievable Control Technology	TSP	Total Suspended Particulate
		USEPA	United States Environmental Protection Agency
mm	Million		
mmBtu/hr	Million British Thermal Units per Hour	UTM	Universal Transverse Mercator
mmft³/hr or mmcf/hr	Million Cubic Feet Burned per Hour	VEE	Visual Emissions Evaluation
NA or N/A	Not Applicable		
NAAQS	National Ambient Air Quality Standards	VOC	Volatile Organic Compounds
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		
NO_x	Nitrogen Oxides		

2.3. Permit Expiration and Renewal

- 2.3.1. Permit duration. This permit is issued for a fixed term of five (5) years and shall expire on the date specified on the cover of this permit, except as provided in 45CSR§30-6.3.b. and 45CSR§30-6.3.c.
[45CSR§30-5.1.b.]
- 2.3.2. A permit renewal application is timely if it is submitted at least six (6) months prior to the date of permit expiration.
[45CSR§30-4.1.a.3.]
- 2.3.3. Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with 45CSR§30-6.2. and 45CSR§30-4.1.a.3.
[45CSR§30-6.3.b.]
- 2.3.4. If the Secretary fails to take final action to deny or approve a timely and complete permit application before the end of the term of the previous permit, the permit shall not expire until the renewal permit has been issued or denied, and any permit shield granted for the permit shall continue in effect during that time.
[45CSR§30-6.3.c.]

2.4. Permit Actions

- 2.4.1. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
[45CSR§30-5.1.f.3.]

2.5. Reopening for Cause

- 2.5.1. This permit shall be reopened and revised under any of the following circumstances:
 - a. Additional applicable requirements under the Clean Air Act or the Secretary's legislative rules become applicable to a major source with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 45CSR§§30-6.6.a.1.A. or B.
 - b. Additional requirements (including excess emissions requirements) become applicable to an affected source under Title IV of the Clean Air Act (Acid Deposition Control) or other legislative rules of the Secretary. Upon approval by U.S. EPA, excess emissions offset plans shall be incorporated into the permit.
 - c. The Secretary or U.S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

- d. The Secretary or U.S. EPA determines that the permit must be revised or revoked and reissued to assure compliance with the applicable requirements.

[45CSR§30-6.6.a.]

2.6. Administrative Permit Amendments

- 2.6.1. The permittee may request an administrative permit amendment as defined in and according to the procedures specified in 45CSR§30-6.4.

[45CSR§30-6.4.]

2.7. Minor Permit Modifications

- 2.7.1. The permittee may request a minor permit modification as defined in and according to the procedures specified in 45CSR§30-6.5.a.

[45CSR§30-6.5.a.]

2.8. Significant Permit Modification

- 2.8.1. The permittee may request a significant permit modification, in accordance with 45CSR§30-6.5.b., for permit modifications that do not qualify for minor permit modifications or as administrative amendments.

[45CSR§30-6.5.b.]

2.9. Emissions Trading

- 2.9.1. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit and that are in accordance with all applicable requirements.

[45CSR§30-5.1.h.]

2.10. Off-Permit Changes

- 2.10.1. Except as provided below, a facility may make any change in its operations or emissions that is not addressed nor prohibited in its permit and which is not considered to be construction nor modification under any rule promulgated by the Secretary without obtaining an amendment or modification of its permit. Such changes shall be subject to the following requirements and restrictions:

- a. The change must meet all applicable requirements and may not violate any existing permit term or condition.
- b. The permittee must provide a written notice of the change to the Secretary and to U.S. EPA within two (2) business days following the date of the change. Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.
- c. The change shall not qualify for the permit shield.

- d. The permittee shall keep records describing all changes made at the source that result in emissions of regulated air pollutants, but not otherwise regulated under the permit, and the emissions resulting from those changes.
- e. No permittee may make any change subject to any requirement under Title IV of the Clean Air Act (Acid Deposition Control) pursuant to the provisions of 45CSR§30-5.9.
- f. No permittee may make any changes which would require preconstruction review under any provision of Title I of the Clean Air Act (including 45CSR14 and 45CSR19) pursuant to the provisions of 45CSR§30-5.9.

[45CSR§30-5.9.]

2.11. Operational Flexibility

- 2.11.1. The permittee may make changes within the facility as provided by § 502(b)(10) of the Clean Air Act. Such operational flexibility shall be provided in the permit in conformance with the permit application and applicable requirements. No such changes shall be a modification under any rule or any provision of Title I of the Clean Air Act (including 45CSR14 and 45CSR19) promulgated by the Secretary in accordance with Title I of the Clean Air Act and the change shall not result in a level of emissions exceeding the emissions allowable under the permit.

[45CSR§30-5.8]

- 2.11.2. Before making a change under 45CSR§30-5.8., the permittee shall provide advance written notice to the Secretary and to U.S. EPA, describing the change to be made, the date on which the change will occur, any changes in emissions, and any permit terms and conditions that are affected. The permittee shall thereafter maintain a copy of the notice with the permit, and the Secretary shall place a copy with the permit in the public file. The written notice shall be provided to the Secretary and U.S. EPA at least seven (7) days prior to the date that the change is to be made, except that this period may be shortened or eliminated as necessary for a change that must be implemented more quickly to address unanticipated conditions posing a significant health, safety, or environmental hazard. If less than seven (7) days notice is provided because of a need to respond more quickly to such unanticipated conditions, the permittee shall provide notice to the Secretary and U.S. EPA as soon as possible after learning of the need to make the change.

[45CSR§30-5.8.a.]

- 2.11.3. The permit shield shall not apply to changes made under 45CSR§30-5.8., except those provided for in 45CSR§30-5.8.d. However, the protection of the permit shield will continue to apply to operations and emissions that are not affected by the change, provided that the permittee complies with the terms and conditions of the permit applicable to such operations and emissions. The permit shield may be reinstated for emissions and operations affected by the change:

- a. If subsequent changes cause the facility's operations and emissions to revert to those authorized in the permit and the permittee resumes compliance with the terms and conditions of the permit, or
- b. If the permittee obtains final approval of a significant modification to the permit to incorporate the change in the permit.

[45CSR§30-5.8.c.]

- 2.11.4. "Section 502(b)(10) changes" are changes that contravene an express permit term. Such changes do not include changes that would violate applicable requirements or contravene enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.

[45CSR§30-2.39]

2.12. Reasonably Anticipated Operating Scenarios

- 2.12.1. The following are terms and conditions for reasonably anticipated operating scenarios identified in this permit.
- a. Contemporaneously with making a change from one operating scenario to another, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating and to document the change in reports submitted pursuant to the terms of this permit and 45CSR30.
 - b. The permit shield shall extend to all terms and conditions under each such operating scenario; and
 - c. The terms and conditions of each such alternative scenario shall meet all applicable requirements and the requirements of 45CSR30.

[45CSR§30-5.1.i.]

2.13. Duty to Comply

- 2.13.1. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

[45CSR§30-5.1.f.1.]

2.14. Inspection and Entry

- 2.14.1. The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:
- a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

- d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

[45CSR§30-5.3.b.]

2.15. Schedule of Compliance

- 2.15.1. For sources subject to a compliance schedule, certified progress reports shall be submitted consistent with the applicable schedule of compliance set forth in this permit and 45CSR§30-4.3.h., but at least every six (6) months, and no greater than once a month, and shall include the following:
 - a. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
 - b. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measure adopted.

[45CSR§30-5.3.d.]

2.16. Need to Halt or Reduce Activity not a Defense

- 2.16.1. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.
[45CSR§30-5.1.f.2.]

2.17. Emergency

- 2.17.1. An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.
[45CSR§30-5.7.a.]
- 2.17.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of 45CSR§30-5.7.c. are met.
[45CSR§30-5.7.b.]
- 2.17.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - b. The permitted facility was at the time being properly operated;

- c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- d. Subject to the requirements of 45CSR§30-5.1.c.3.C.1, the permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice, report, and variance request fulfills the requirement of 45CSR§30-5.1.c.3.B. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

[45CSR§30-5.7.c.]

- 2.17.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.

[45CSR§30-5.7.d.]

- 2.17.5. This provision is in addition to any emergency or upset provision contained in any applicable requirement.

[45CSR§30-5.7.e.]

2.18. Federally-Enforceable Requirements

- 2.18.1. All terms and conditions in this permit, including any provisions designed to limit a source's potential to emit and excepting those provisions that are specifically designated in the permit as "State-enforceable only", are enforceable by the Secretary, USEPA, and citizens under the Clean Air Act.

[45CSR§30-5.2.a.]

- 2.18.2. Those provisions specifically designated in the permit as "State-enforceable only" shall become "Federally-enforceable" requirements upon SIP approval by the USEPA.

2.19. Duty to Provide Information

- 2.19.1. The permittee shall furnish to the Secretary within a reasonable time any information the Secretary may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Secretary copies of records required to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.

[45CSR§30-5.1.f.5.]

2.20. Duty to Supplement and Correct Information

- 2.20.1. Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.

[45CSR§30-4.2.]

2.21. Permit Shield

2.21.1. Compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance provided that such applicable requirements are included and are specifically identified in this permit or the Secretary has determined that other requirements specifically identified are not applicable to the source and this permit includes such a determination or a concise summary thereof.
[45CSR§30-5.6.a.]

2.21.2. Nothing in this permit shall alter or affect the following:

- a. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance; or
- b. The applicable requirements of the Code of West Virginia and Title IV of the Clean Air Act (Acid Deposition Control), consistent with § 408 (a) of the Clean Air Act.
- c. The authority of the Administrator of U.S. EPA to require information under § 114 of the Clean Air Act or to issue emergency orders under § 303 of the Clean Air Act.

[45CSR§30-5.6.c.]

2.22. Credible Evidence

2.22.1. Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee including but not limited to any challenge to the credible evidence rule in the context of any future proceeding.
[45CSR§30-5.3.e.3.B. and 45CSR38]

2.23. Severability

2.23.1. The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid by a court of competent jurisdiction, the remaining permit terms and conditions or their application to other circumstances shall remain in full force and effect.
[45CSR§30-5.1.e.]

2.24. Property Rights

2.24.1. This permit does not convey any property rights of any sort or any exclusive privilege.
[45CSR§30-5.1.f.4]

2.25. Acid Deposition Control

2.25.1. Emissions shall not exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act (Acid Deposition Control) or rules of the Secretary promulgated thereunder.

- a. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid deposition control program, provided that such increases do not require a permit revision under any other applicable requirement.

- b. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement.
- c. Any such allowance shall be accounted for according to the procedures established in rules promulgated under Title IV of the Clean Air Act.

[45CSR§30-5.1.d.]

- 2.25.2. Where applicable requirements of the Clean Air Act are more stringent than any applicable requirement of regulations promulgated under Title IV of the Clean Air Act (Acid Deposition Control), both provisions shall be incorporated into the permit and shall be enforceable by the Secretary and U. S. EPA.

[45CSR§30-5.1.a.2.]

3.0 Facility-Wide Requirements

3.1. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person 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 or allow any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible. [45CSR§6-3.2.]
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them. [40 C.F.R. §61.145(b) and 45CSR34]
- 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)(15)]
- 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.

[40 C.F.R. 82, Subpart F]

- 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, R13-3574, 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, R13-3574, 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, R13-3574, 4.1.3.2; 45CSR§27-4.1 (State-Enforceable only)]**

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

[45CSR13, R13-3574, 4.1.4; 45CSR§27-3.1 (State-Enforceable only)]

- 3.1.11. The permittee shall maintain total Hazardous Air Pollutant (HAP) emissions below 25 tons per year combined or 10 tons per year of any single HAP.
[45CSR13, R13-3574, 4.1.6]

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 (EPC) - East Area is provided in Appendix B.

[45CSR13, R13-3574, 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 (EPC) - East Area, the affected permit is R13-2244 and the Attachment A listing only for those sources in the Engineering Polymers (EPC) - East Area is provided in Appendix B.

[45CSR13, R13-3574, 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.
 - 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 shall 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)(15-16) and 45CSR13]

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

[45CSR13, R13-3574, 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.]

- 3.4.2. **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.]

- 3.4.3. **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.]

- 3.4.4. **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 (EPC) - East Area, the affected permit is R13-2244 and the Attachment A listing only for those sources in the Engineering Polymers (EPC)- East Area is provided in Appendix B.

[45CSR13, R13-3574, 4.4.5]

- 3.4.5. The permittee shall maintain the site-wide Hazardous Air Pollutant (HAP) emissions records in accordance with subsection 3.1.11 on a twelve (12) month rolling total. These records shall be made available for inspection upon request of the Secretary in accordance with Section 2.0 and shall be maintained in accordance with Section 3.0.

[45CSR13, R13-3574, 4.4.6]

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 compliance certification and semi-annual monitoring reports to the DAQ and USEPA as required in 3.5.5 and 3.5.6 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, or mailed first class or by private carrier with postage prepaid to the address(es), or submitted in electronic format by e-mail as

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
Air Section (3ED21)
1650 Arch Street
Philadelphia, PA 19103-2029

DAQ Compliance and Enforcement¹:

DEPAirQualityReports@wv.gov

¹For 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 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.

3.5.8. **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.]

3.5.9. **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.]

3.6. Compliance Plan

3.6.1. None.

3.7. Permit Shield

- 3.7.1. The permittee is hereby granted a permit shield in accordance with 45CSR§30-5.6. The permit shield applies provided the permittee operates in accordance with the information contained within this permit.
- 3.7.2. The following requirements specifically identified are not applicable to the source based on the determinations set forth below. The permit shield shall apply to the following requirements provided the conditions of the determinations are met.
- 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 for Which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before 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. §60.489.
 - e. 40 C.F.R. 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.
- 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 and is not a major source of HAPs.
- n. 40 C.F.R. 63, Subpart GGGGG – “National Emission Standards for Hazardous Air Pollutants: Site Remediation.” The site is no longer a major source of HAPs and is not subject to the major source MACT requirements in accordance with §63.7881(a)(3).
- o. 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.
- p. 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.
- q. 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.
- r. 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.
- s. 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.
- t. 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.
- u. 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.
- v. 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.

4.0 Source-Specific Requirements

4.1. Limitations and Standards

- 4.1.1. Emissions to the atmosphere from the EPC-East facility shall not exceed the pounds per hour and tons per year limitations set forth in the following table.

Table 4.1.1.

Emission Point ID No.	Source Description	Control Device Name and ID No.	Pollutant	Emission Limit	
				PPH	TPY
143-001E	Raw Material Storage Silo	143-001C	Total Particulate Matter (TSP)	0.01	0.01
143-001E	Raw Material Storage Silo	143-001C	Particulate Matter (PM ₁₀)	0.01	0.01
143-003E	Raw Material Storage Silo	143-003C	Total Particulate Matter (TSP)	0.01	0.01
143-003E	Raw Material Storage Silo	143-003C	Particulate Matter (PM ₁₀)	0.01	0.01
143-004E	Raw Material Storage Silo	143-004C	Total Particulate Matter (TSP)	0.01	0.01
143-004E	Raw Material Storage Silo	143-004C	Particulate Matter (PM ₁₀)	0.01	0.01
143-005E	Raw Material Storage Silo	143-005C	Total Particulate Matter (TSP)	0.01	0.01
143-005E	Raw Material Storage Silo	143-005C	Particulate Matter (PM ₁₀)	0.01	0.01
143-006E	Raw Material Storage Silo	143-006C	Total Particulate Matter (TSP)	0.01	0.01
143-006E	Raw Material Storage Silo	143-006C	Particulate Matter (PM ₁₀)	0.01	0.01
143-007E	Raw Material Storage Silo	143-007C	Total Particulate Matter (TSP)	0.01	0.01
143-007E	Raw Material Storage Silo	143-007C	Particulate Matter (PM ₁₀)	0.01	0.01
143-008E	Raw Material Storage Silo	143-008C	Total Particulate Matter (TSP)	0.01	0.01
143-008E	Raw Material Storage Silo	143-008C	Particulate Matter (PM ₁₀)	0.01	0.01
143-009E	Raw Material Storage Silo	143-009C	Total Particulate Matter (TSP)	0.01	0.01
143-009E	Raw Material Storage Silo	143-009C	Particulate Matter (PM ₁₀)	0.01	0.01
147-001E	Raw Material Storage Silo	147-001C	Total Particulate Matter (TSP)	0.01	0.02
147-001E	Raw Material Storage Silos	147-001C	Particulate Matter (PM ₁₀)	0.01	0.01
147-002E	Finished Product Silos	147-002C	Total Particulate Matter (TSP)	0.01	0.02
147-002E	Finished Product Silos	147-002C	Particulate Matter (PM ₁₀)	0.01	0.02
147-003E	Blenders #1, 2 Load Vent	n/a	Total Particulate Matter (TSP)	0.01	0.01
147-003E	Blenders #1, 2 Load Vent	n/a	Particulate Matter (PM ₁₀)	0.01	0.01
147-005E	Bulk Unloading	n/a	Total Particulate Matter (TSP)	0.01	0.01
147-005E	Bulk Unloading	n/a	Particulate Matter (PM ₁₀)	0.01	0.01
147-204E	FPS 6/7 Silo Transfer System	147-204C	Particulate Matter (PM ₁₀)	0.01	0.01
147-204E	FPS 6/7 Silo Transfer System	147-204C	Total Particulate Matter (TSP)	0.04	0.09
280-001E	Feed Silos 1-4 Bulk Flake Transfer	280-026C	Particulate Matter (PM ₁₀)	0.04	0.07
280-001E	Feed Silos 1-4 Bulk Flake Transfer	280-026C	Total Particulate Matter (TSP)	0.14	0.28
280-002E	CP6, CP7 & CP8 Main Flake Hopper	280-027C	Particulate Matter (PM ₁₀)	0.03	0.05
280-002E	CP6, CP7, & CP8 Main Flake Hopper	280-027C	Total Particulate Matter (TSP)	0.10	0.22
280-007E	100 Area Silo 6 Conveying Bin Vent	280-007C	Particulate Matter (PM ₁₀)	0.02	0.01
280-007E	100 Area Silo 6 Conveying Bin Vent	280-007C	Total Particulate Matter (TSP)	0.20	0.04
280-060E	100 Area tote bin blending ventilation system	-	Particulate Matter (PM ₁₀)	0.01	0.01
280-060E	100 Area tote bin blending ventilation system	-	Total Particulate Matter (TSP)	0.01	0.01
280-072E	CP7 Cutter	-	Particulate Matter (PM ₁₀)	0.01	0.01
280-072E	CP7 Cutter	-	Total Particulate Matter (TSP)	0.02	0.01
280-206E	CP7 B1 Hopper	-	Particulate Matter (PM ₁₀)	0.01	0.01
280-206E	CP7 B1 Hopper	-	Total Particulate Matter (TSP)	0.01	0.01
280-125AE	CP6 Extruder	-	Carbon Monoxide (CO)	0.05	0.19
280-125AE	CP6 Extruder	-	Particulate Matter (PM ₁₀)	0.01	0.01
280-125AE	CP6 Extruder	-	Total Particulate Matter (TSP)	0.01	0.01
280-125AE	CP6 Extruder	-	Volatile Organic Compounds (VOC)	0.12	0.51
280-125AE	CP6 Extruder	-	Total HAPs ¹	0.01	0.01
280-131E	CP8 Cutter	-	Particulate Matter (PM ₁₀)	0.01	0.01
280-131E	CP8 Cutter	-	Total Particulate Matter (TSP)	0.01	0.01
280-136E	CP8 Extruder	-	Carbon Monoxide (CO)	0.03	0.14

Emission Point ID No.	Source Description	Control Device Name and ID No.	Pollutant	Emission Limit	
				PPH	TPY
280-136E	CP8 Extruder	-	Particulate Matter (PM ₁₀)	0.97	4.23
280-136E	CP8 Extruder	-	Total Particulate Matter (TSP)	0.97	4.23
280-136E	CP8 Extruder	-	Volatile Organic Compounds (VOC)	0.08	0.35
280-136E	CP8 Extruder	-	Total HAPs ¹	0.01	0.01
280-137E	CP8 Cooler Screener	-	Particulate Matter (PM ₁₀)	0.01	0.02
280-137E	CP8 Cooler Screener	-	Total Particulate Matter (TSP)	0.01	0.03
280-206E	CP7 Cutter	-	Particulate Matter (PM ₁₀)	0.13	0.06
280-206E	CP7 Cutter	-	Total Particulate Matter (TSP)	2.09	0.93
280-206E	CP8 Cutter	-	Particulate Matter (PM ₁₀)	--	--
280-206E	CP8 Cutter	-	Total Particulate Matter (TSP)	--	--
280-206E	CP7 Main Flake Hopper	-	Particulate Matter (PM ₁₀)	--	--
280-206E	CP7 Main Flake Hopper	-	Total Particulate Matter (TSP)	--	--
280-206E	CP8 Main Flake Hopper	-	Particulate Matter (PM ₁₀)	--	--
280-206E	CP8 Main Flake Hopper	-	Total Particulate Matter (TSP)	--	--
280-206E	CP8 Extruder	-	Particulate Matter (PM ₁₀)	--	--
280-206E	CP8 Extruder	-	Total Particulate Matter (TSP)	--	--
280-140E	CP7 Extruder Die Exhaust	-	Carbon Monoxide (CO)	0.03	0.14
280-140E	CP7 Extruder Die Exhaust	-	Particulate Matter (PM ₁₀)	0.08	0.32
280-140E	CP7 Extruder Die Exhaust	-	Total Particulate Matter (TSP)	0.08	0.32
280-140E	CP7 Extruder Die Exhaust	-	Volatile Organic Compounds (VOC)	0.08	0.35
280-140E	CP7 Extruder Die Exhaust	-	Total HAPs ¹	0.01	0.01
280-150E	CP7 Vacuum System	-	Carbon Monoxide (CO)	0.03	0.14
280-150E	CP7 Vacuum System	-	Particulate Matter (PM ₁₀)	0.01	0.03
280-150E	CP7 Vacuum System	-	Total Particulate Matter (TSP)	0.01	0.03
280-150E	CP7 Vacuum System	-	Volatile Organic Compounds (VOC)	0.08	0.35
280-150E	CP7 Vacuum System	-	Total HAPs ¹	0.06	0.26
280-160E	CP6 Extruder	-	Carbon Monoxide (CO)	0.05	0.19
280-160E	CP6 Extruder	-	Particulate Matter (PM ₁₀)	1.40	6.12
280-160E	CP6 Extruder	-	Total Particulate Matter (TSP)	1.40	6.12
280-160E	CP6 Extruder	-	Volatile Organic Compounds (VOC)	0.12	0.51
280-160E	CP6 Extruder	-	Total HAPs ¹	0.01	0.01
280-170E	CP9 Main Flake CPS Bin Vent	280-170C	Particulate Matter (PM ₁₀)	0.01	0.01
280-170E	CP9 Main Flake CPS Bin Vent	280-170C	Total Particulate Matter (TSP)	0.01	0.01
280-171E	CP9 Cutter	-	Particulate Matter (PM ₁₀)	0.01	0.02
280-171E	CP9 Cutter	-	Total Particulate Matter (TSP)	0.06	0.27
280-172E	CP9 Extruder	280-172C	Carbon Monoxide (CO)	0.05	0.20
280-172E	CP9 Extruder	280-172C	Particulate Matter (PM ₁₀)	1.36	2.72
280-172E	CP9 Extruder	280-172C	Total Particulate Matter (TSP)	1.36	2.72
280-172E	CP9 Extruder	280-172C	Volatile Organic Compounds (VOC)	0.16	0.69
280-172E	CP9 Extruder	280-172C	Total HAPs ¹	0.03	0.13
280-173E	CP9 Extruder	-	Carbon Monoxide (CO)	0.05	0.20
280-173E	CP9 Extruder	-	Particulate Matter (PM ₁₀)	0.05	0.18
280-173E	CP9 Extruder	-	Total Particulate Matter (TSP)	0.05	0.18
280-173E	CP9 Extruder	-	Volatile Organic Compounds (VOC)	0.01	0.01
280-173E	CP9 Extruder	-	Total HAPs ¹	0.05	0.18
280-175E	CP9 Glass Hopper	280-175C	Particulate Matter (PM ₁₀)	0.04	0.08
280-175E	CP9 Glass Hopper	280-175C	Total Particulate Matter (TSP)	0.04	0.08
280-176E	CP9 Cooler/Screener Pull Blower	-	Particulate Matter (PM ₁₀)	0.02	0.07
280-176E	CP9 Cooler/Screener Pull Blower	-	Total Particulate Matter (TSP)	0.03	0.14
280-180E	CP7 Additive Feed Station System	-	Particulate Matter (PM ₁₀)	0.01	0.01
280-180E	CP7 Additive Feed Station System	-	Total Particulate Matter (TSP)	0.02	0.03
280-182E	CP7 Glass Hopper	280-182C	Particulate Matter (PM ₁₀)	0.01	0.02
280-182E	CP7 Glass Hopper	280-182C	Total Particulate Matter (TSP)	0.04	0.09
280-183E	CP8 Glass Hopper	280-183C	Particulate Matter (PM ₁₀)	0.01	0.02
280-183E	CP8 Glass Hopper	280-183C	Total Particulate Matter (TSP)	0.04	0.09
280-186E	CP6 Additive Drum Station	-	Particulate Matter (PM ₁₀)	0.01	0.02

Emission Point ID No.	Source Description	Control Device Name and ID No.	Pollutant	Emission Limit	
				PPH	TPY
280-186E	CP6 Additive Drum Station	-	Total Particulate Matter (TSP)	0.02	0.06
280-206E	CP9 Extruder	-	Particulate Matter (PM ₁₀)	0.01	0.02
280-206E	CP9 Extruder	-	Total Particulate Matter (TSP)	0.02	0.06
280-195E	CP6 Extruder	-	Particulate Matter (PM ₁₀)	0.80	3.50
280-195E	CP6 Extruder	-	Total Particulate Matter (TSP)	0.80	3.50
280-201E	CP6 Feed Hoppers	280-201C	Particulate Matter (PM ₁₀)	0.01	0.02
280-201E	CP6 Feed Hoppers	280-201C	Total Particulate Matter (TSP)	0.02	0.06
280-203E	CP6 Cooler/Screening Pull Blower	-	Particulate Matter (PM ₁₀)	0.04	0.15
280-203E	CP6 Cooler/Screening Pull Blower	-	Total Particulate Matter (TSP)	0.17	0.74
280-204E	CP9 Rework Transfer System	-	Particulate Matter (PM ₁₀)	0.01	0.01
280-204E	CP9 Rework Transfer System	-	Total Particulate Matter (TSP)	0.03	0.06
280-205E	CP8 Auxiliary Feed Hopper	-	Particulate Matter (PM ₁₀)	0.08	0.12
280-205E	CP8 Auxiliary Feed Hopper	-	Total Particulate Matter (TSP)	0.40	0.58
280-208E	CP6 Additive Feeder	280-208C	Particulate Matter (PM ₁₀)	0.01	0.01
280-208E	CP6 Additive Feeder	280-208C	Total Particulate Matter (TSP)	0.01	0.01
280-209E	CP6 Additive Station	280-209C	Particulate Matter (PM ₁₀)	0.01	0.01
280-209E	CP6 Additive Station	280-209C	Total Particulate Matter (TSP)	0.01	0.01

¹ The emissions of total HAPs identified in Table 4.1.1 of this permit may consist of any one, or a combination of the following pollutants: Acetaldehyde (75-07-0), Aniline (62-53-3), Benzene (71-43-2), Epichlorohydrine (24969-10-6), Ethylbenzene (100-41-4), Formaldehyde (50-00-0), Phenol (108-95-2), and Polycyclic Organic Matter (POM), Toluene (100-88-3), and m+p+o-xylene (108383, 106423, 95-47-6).

Compliance with the hourly particulate matter emission limits for the emission points listed above shall also demonstrate compliance with the less stringent hourly particulate emission limits of 45CSR§7-4.1. [45CSR13, R13-2244, 4.1.1; 45CSR§7-4.1]

4.1.2. The EPC-East facility, including extruders CP6, CP7, CP8 and CP9, shall not exceed the total maximum hourly production rate of 35,000 pounds per hour and the total maximum annual production rate of 153,300 tons per year.

[45CSR13, R13-2244, 4.1.2]

4.1.3. Equipment for the following emission points shall be maintained and operated to minimize emissions.

Table 4.1.3

Emission Point ID	Description
280-062E	CP9 Cutter
280-063E	CP7 Cutter
280-109E	CP7 Cooler Screener
280-073E	CP8 Whitlock Hopper
280-133E	CP8 Cutter
280-174E	CP9 Additive Feed Station System
280-181E	CP8 Additive Feed Station System
280-190E	Silos #5-8 Bulk Conveyor
280-194E	Collector 34
280-202E	CP6 Vacuum Loaders
280-074E	CP6 B1 Hopper
280-070E	CP8 Extruder
280-150E	CP7 Extruder
280-074E	CP6 B1 Hopper
280-109E	CP7 Cooler Screener

[45CSR13, R13-2244, 4.1.3]

- 4.1.4. The permittee shall not cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any process source operation which is greater than twenty (20) percent opacity, except as noted in Section 4.1.5. (280-060E, 280-072E, 280-206E, 280-125AE, 280-131E, 280-136E, 280-137E, 280-140E, 280-160E, 280-171E, 280-172E, 280-173E, 280-176E, 280-180E, 280-186E, 280-195E, 280-201E, 280-203E, 280-204E, 280-205E, 280-208E, 280-209E) **[45CSR13, R13-2244, 4.1.4; 45CSR§7-3.1]**
- 4.1.5. The provisions of Section 4.1.4 shall not apply to smoke and/or particulate matter emitted from any process source operation which is less than forty (40) percent opacity for any period or periods aggregating no more than five (5) minutes in any sixty (60) minute period. (280-060E, 280-072E, 280-206E, 280-125AE, 280-131E, 280-136E, 280-137E, 280-140E, 280-160E, 280-171E, 280-172E, 280-173E, 280-176E, 280-180E, 280-186E, 280-195E, 280-201E, 280-203E, 280-204E, 280-205E, 280-208E, 280-209E) **[45CSR13, R13-2244, 4.1.5; 45CSR§7-3.2]**
- 4.1.6. The permittee shall not cause, suffer, allow or permit visible emissions from any storage structure(s) associated with any manufacturing process(es) that pursuant to Section 4.1.7 is required to have a full enclosure and be equipped with a particulate matter control device. (147-204E, 280-001E, 280-002E, 280-007E, 280-170E, 280-175E, 280-182E, and 280-183E) **[45CSR13, R13-2244, 4.1.6; 45CSR§7-3.7]**
- 4.1.7. The permittee shall not cause, suffer, allow or permit any manufacturing process or storage structure generating fugitive particulate matter to operate that is not equipped with a system which may include, but not be limited to, process equipment design, control equipment design or operation and maintenance procedures, to minimize the emissions of fugitive particulate matter. To minimize means such system shall be installed, maintained and operated to ensure the lowest fugitive particulate matter emissions reasonably achievable. **[45CSR13, R13-2244, 4.1.7; 45CSR§7-5.1]**
- 4.1.8. The permittee shall maintain particulate matter control of the plant premises, and plant owned, leased or controlled access roads, by paving, application of asphalt, chemical dust suppressants, or other suitable dust control measures. Good operating practices shall be implemented and when necessary particulate matter suppressants shall be applied in relation to stockpiling and general material handling to minimize particulate matter generation and atmospheric entrainment. **[45CSR13, R13-2244, 4.1.8; 45CSR§7-5.2]**
- 4.1.9. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary. **[45CSR13, R13-2244, 4.1.11; 45CSR§13-5.11]**
- 4.1.10. Due to unavoidable malfunction of equipment, emissions exceeding those set forth in 45CSR7 may be permitted by the Director for periods not to exceed ten (10) days upon specific application to the Director. Such application shall be made within twenty-four (24) hours of the malfunction. In cases of major equipment failure, additional time periods may be granted by the Director provided a corrective program has been submitted by the owner or operator and approved by the Director.

[45CSR§7-9.1.]

- 4.1.11. Emissions sources and the associated emission points affected by this permit and subject to 45CSR27 shall be subject to the standards and requirements set forth in permit R13-3574, and any amendments thereto.

[45CSR13, 45CSR27, R13-2244, 4.1.9]

- 4.1.12. The owner or operator of a cold cleaning 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. State-Enforceable only (280-207S)]

4.2. Monitoring Requirements

- 4.2.1. For the purpose of determining compliance with the opacity limits set forth in Sections 4.1.4, 4.1.5, and 4.1.6, the permittee shall conduct opacity monitoring of all emission points and equipment subject to an opacity limit under 45CSR7 and for which particulate emission limits have been set in Section 4.1.1 of this permit.

Monitoring shall be conducted at least once per month. These checks shall be performed 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. If visible emissions are identified during the visible emission check, or at any other time regardless of operations, the permittee shall conduct a visual emission evaluation per 45CSR7 within three (3) days of the first identification of visible emissions. A 45CSR7A evaluation shall not be required if the visible emission condition is corrected within seventy-two (72) hours after the visible emission and the sources are operating at normal conditions.

[45CSR13, R13-2244, 4.2.1; 45CSR§30-5.1.c]

- 4.2.2. In addition to maintaining records of control device malfunctions as required by 4.4.3, the permittee shall monitor all emission sources and associated control devices listed in 4.1.1 and 4.1.3 on a monthly basis to ensure that the equipment is operated and maintained in accordance with the manufacturer's recommendations and specifications and in a manner consistent with good operating practices for the purpose of minimizing emissions.

[45CSR§30-5.1.c.]

4.3. Testing Requirements

- 4.3.1. **Stack testing.** At such reasonable times as the Secretary may designate, the permittee may be required to conduct or have conducted stack tests to determine the particulate matter loading in exhaust gases when the Secretary has reason to believe that an emission limitation is being violated. For cause, the Secretary may request the permittee to install such stack gas monitoring devices as the Secretary deems necessary to determine continuing compliance. The data from such devices shall be readily available for review on-site or at such other reasonable location that the Secretary may specify. At the request of the Secretary, such data shall be made available for inspection or copying and the Secretary may require periodic submission of excess

emission reports. Compliance with this streamlined requirement assures compliance with 45CSR§7-8.1 and 45CSR§13-6.1.

[45CSR13, R13-2244, 4.3.1]

- 4.3.2. **Compliance testing.** Any such test to determine compliance with particulate matter limitations set forth in Section 4.1.1 shall be conducted in accordance with Method 5 of 40 C.F.R. 60, Appendix A, Method 201 or 201A of 40 C.F.R. 51, or other such appropriate method approved by the Secretary. All such compliance tests must consist of not less than three (3) test runs; any test run duration shall not be less than sixty (60) minutes and no less than thirty (30) standard cubic feet of exhaust gas must be sampled during each test run. Such tests shall be conducted under such reasonable operating conditions as the Secretary may specify. The Secretary, or a duly authorized representative, may option to witness or conduct such stack tests. Should the Secretary exercise this option to conduct such tests, the registrant shall provide all necessary sampling connections and sampling ports located in a manner as the Secretary may require, power for test equipment and required safety equipment in place such as scaffolding, railings and ladders in order to comply with generally accepted good safety practices.

[45CSR13, R13-2244, 4.3.2; 45CSR§7-8.1]

- 4.3.3. Any stack serving any process source operation or air pollution control device on any process source operation shall contain flow straightening devices or a vertical run of sufficient length to establish flow patterns consistent with acceptable stack sampling procedures.

[45CSR13, R13-2244, 4.3.3; 45CSR§7-4.12]

- 4.3.4. **Opacity testing.** Any test to determine compliance with the visible emission (opacity) limitations set forth in Sections 4.1.4, 4.1.5, and 4.1.6 shall be conducted by personnel appropriately trained for the task. Personnel performing the visual emissions observation shall be trained and familiar with the limitations and restrictions associated with 40 C.F.R. 60, Appendix A – Method 22. Any person performing an opacity observation for compliance assessment in the event of visible emissions must be a certified visible emission observer in accordance with 45CSR7A – “Compliance Test Procedures for 45CSR7 – To Prevent and Control Particulate Air Pollution from Manufacturing Process Operations.” Nothing in this section, however, shall preclude any permittee or Secretary from using opacity data from a properly installed, calibrated, maintained and operated continuous opacity monitor as evidence to demonstrate compliance or a violation of visible emission requirements. If continuous opacity monitoring data results are submitted when determining compliance with visible emission limitations for a period of time during which determining compliance with visible emission limitations for a period of time during which 45CSR7A or Method 22 data indicated noncompliance, the 45CSR7A or Method 22 data shall be used to determine compliance with the visible emission limitations.

[45CSR13, R13-2244, 4.3.4; 45CSR§30-5.1.c]

- 4.3.5. **Notification of compliance testing.** For any compliance test to be conducted by the permittee as set forth in Section 4.3, a test protocol shall be submitted to the Secretary at least thirty (30) calendar days prior to the scheduled date of the test. Such compliance test protocol shall be subject to approval by the Secretary. The permittee shall notify the Secretary at least fifteen (15) days in advance of actual test dates and times during which the test (or tests) will be conducted.

[45CSR13, R13-2244, 4.3.5]

- 4.3.6. **Alternative test methods.** The Secretary may require a different test method or approve an alternative method in light of any technology advancements that may occur and may conduct or require such other tests as may be deemed necessary to evaluate air pollution emissions.

[45CSR13, R13-2244, 4.3.6; 45CSR§7-8.2]

- 4.3.7. Test Method ASTM D323-72 shall be used for measuring the solvent true vapor pressure.
[45CSR§21-30.4.e. State-Enforceable only]

4.4. Recordkeeping Requirements

- 4.4.1. **Record of Monitoring.** 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.

[45CSR13, R13-2244, 4.4.1]

- 4.4.2. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[45CSR13, R13-2244, 4.4.2]

- 4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
- a. The equipment involved.
 - b. Steps taken to minimize emissions during the event.
 - c. The duration of the event.
 - d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.

- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2244, 4.4.3]

- 4.4.4. For the purpose of demonstrating compliance with the maximum production rates set forth in Specific Requirement 4.1.2, the facility shall maintain monthly and annual records of production. These records shall be maintained according to the conditions specified in 40 C.F.R. §63.10(b)(1). Such records shall be certified by a “Responsible Official” and made available to the Director or his duly authorized representative upon request.

[45CSR13, R13-2244, 4.4.4]

- 4.4.5. The permittee shall maintain records of all monitoring data required by Section 4.2.1 of this permit, documenting the date and time of each visible emission check, the emission point or equipment identification number, the name or means of identification of the responsible observer, the results of the check, and, if necessary, all corrective actions taken. Should a visible emission observation be required to be performed per the requirements specified in 45CSR7A, the data records of each observation shall be maintained per the requirements of 45CSR7A. For an emission unit out of service during the normal monthly evaluation, the record of observation may note “out of service” (OOS) or equivalent. These records shall be maintained according to the conditions specified in 40 C.F.R. §63.10(b)(1).

[45CSR13, R13-2244, 4.4.5]

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

Certified copies of these records shall be made available to the Director of the Division of Air Quality or his duly authorized representative upon request. At a time prior to submittal to the Director, all records shall be certified and signed by a “Responsible Official” utilizing the Certification of Data Accuracy statement in Appendix A. If these records are considered to contain confidential business information as identified in the permit application, the records may be submitted according to the procedures set forth in 45CSR31 – “Confidential Information.”

[45CSR13, R13-2244, 4.4.6]

- 4.4.7. Records of the monthly inspections required by 4.2.2 shall be maintained on-site and made available to the Director or his/her duly authorized representative upon request. These records shall consist of a listing of each emission point and its associated control device and shall indicate that the equipment was inspected, what problems were observed, if any repairs or modifications were made, and the name of the inspector.

[45CSR§30-5.1.c.]

- 4.4.8. The permittee shall monitor all fugitive particulate emission sources as required by 4.1.7 to ensure that a system to minimize fugitive emissions has been installed or implemented. Records shall be maintained on

site stating the types of fugitive particulate capture and/or suppression systems used, the times these systems were inoperable, and the corrective actions taken to repair these systems.

[45CSR§30-5.1.c.]

- 4.4.9. The permittee shall maintain records indicating the use of any dust suppressants or any other suitable dust control measures as required by 4.1.8 applied at the facility. These records shall be maintained on site.

[45CSR§30-5.1.c.]

- 4.4.10. 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 (4.3.7).

[45CSR§21-30.5. State-Enforceable only; 45CSR§30-5.1.c.]

4.5. Reporting Requirements

- 4.5.1. None.

4.6. Compliance Plan

- 4.6.1. None.

Appendix A – Attachment A of R13-2244J

CERTIFICATION OF DATA ACCURACY

I, the undersigned, hereby certify that, based on information and belief formed after reasonable inquiry, all information contained in the attached _____, representing the period beginning _____ and ending _____, and any supporting documents appended hereto, is true, accurate, and complete.

Signature¹

(please use blue ink)

Responsible Official or Authorized Representative

Date

Name & Title

(please print or type)

Name

Title

Telephone No. _____

Fax No. _____

¹ This form shall be signed by a "Responsible Official." "Responsible Official" means one of the following:

- a. For a corporation: The president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:
 - (i) the facilities employ more than 250 persons or have a gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), or
 - (ii) the delegation of authority to such representative is approved in advance by the Director;
- b. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;
- c. For a municipality, State, Federal, or other public entity: either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of U.S. EPA); or
- d. The designated representative delegated with such authority and approved in advance by the Director.

Appendix B – Attachment A of R13-3574 for Engineering Polymers (EPC) – East

Emission Point Identification	Source Identification	Source Description	Control Device Identification	Service (VOC/HAP/TAP)	Affected R13 Permit ^{#4}	Included in Original R21 RACM Plan	Currently Subject to:		Potentially Other Applicable Regulations – Citation (MACT/BACT/NSPS/NESHAP etc.)
							R21	R27	
280-070E	280-CP8	CP8 Extruder Vacuum System	None	TAP-F	R13-2244	No	No	Yes	
280-125AE	280-CP6	CP6 Extruder Vacuum System	None	TAP-F	R13-2244	No	No	Yes	
280-206E	280-CP8	CP8 Extruder Die	None	TAP-F	R13-2244	No	No	Yes	
280-136E	280-CP8	CP8 Extruder Die	None	TAP-F	R13-2244	No	No	Yes	
280-140E	280-CP7	CP7 Extruder Die	None	TAP-F	R13-2244	No	No	Yes	
280-150E	280-CP7	CP7 Extruder Vacuum System	None	TAP-F	R13-2244	No	No	Yes	
280-160E	280-CP6	CP6 Extruder Die	None	TAP-F	R13-2244	No	No	Yes	
280-172E	280-CP9	CP9 Extruder Die	280-172C	TAP-F	R13-2244	No	No	Yes	
280-173E	280-CP9	CP9 Extruder Vacuum System	None	TAP-F	R13-2244	No	No	Yes	

Note #1 - Formaldehyde (TAP-F) does not qualify as a MACT Wastewater under any Standard.

Note #2 - MON MACT has a process vent definition cut-off at 50 ppm. Below this there are no controls since it is not considered to be a process vent.

Note #3 - The WWTP located at Washington Works does not receive any Group 1 Streams as defined by the rule. Hence the applicability of 40 CFR §63.135 and 40 CFR §63.145 are very, very limited.

Note #4 - The Affected R13 Permit refers to the most current version of that Permit.