

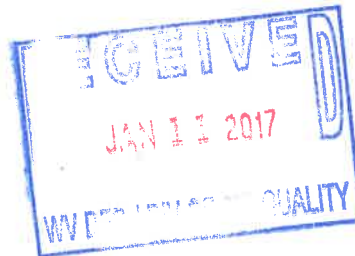


E. I. du Pont de Nemours and Company  
Washington Works  
Mail: P.O. Box 2800  
Washington, WV 26181-2800

**CERTIFIED MAIL - 7007 1490 0001 6676 8354**  
**RETURN RECEIPT REQUESTED**

January 10, 2017

Mr. W. Fred Durham, Director  
Division of Air Quality  
WV Department of Environmental Protection  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304



RE: Renewal Application for the DuPont Washington Works Title V Permit R30-1070001-2011  
Segment 3 of 14 – Acetal Resin Production

Dear Mr. Durham:

Enclosed, please find the renewal application for the Acetal Resin Production area (Part 3 of 14) for the Title V permitting program. We have included a signed paper copy of the application form and two (2) copies of the application including the attachment documents on Compact Disk [CD-ROM] per your current guidance.

In accordance with the Regulation 45CSR31 procedures, certain business confidential production/process information is enclosed in a separate envelope marked "Claimed Confidential" with a required cover document attached. As detailed in the cover document, the confidential information associated with this request needs to be kept separate and maintained as confidential material pursuant to Section 10, Article Five, Chapter Twenty-two of the West Virginia Code, as amended.

If you have any questions or concerns about the renewal application, please contact me at 304-863-2202, or Chris Shoop at 304-863-2133.

Very truly yours,

Charles R. Hill  
SHE Manager  
DuPont Washington Works

Enclosures

CRH:ces/kdf

E. I. du Pont de Nemours and Company  
Shipping: 8480 DuPont Rd – Bldg 24  
Washington, WV 26181



**WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL  
PROTECTION  
DIVISION OF AIR QUALITY**

601 57<sup>th</sup> Street SE  
Charleston, WV 25304  
Phone: (304) 926-0475

[www.dep.wv.gov/daq](http://www.dep.wv.gov/daq)

**INITIAL/RENEWAL TITLE V PERMIT APPLICATION - GENERAL FORMS**

**Section 1: General Information**

<b>1. Name of Applicant (As registered with the WV Secretary of State's Office):</b> E. I. du Pont de Nemours and Company	<b>2. Facility Name or Location:</b> DuPont Washington Works Washington WV
<b>3. DAQ Plant ID No.:</b>  1 0 7 — 0 0 0 0 1	<b>4. Federal Employer ID No. (FEIN):</b>  5 1 0 0 1 4 0 9 0
<b>5. Permit Application Type:</b>  <input type="checkbox"/> Initial Permit <input checked="" type="checkbox"/> Permit Renewal <input type="checkbox"/> Update to Initial/Renewal Permit Application  When did operations commence? What is the expiration date of the existing permit? 07/10/2017	
<b>6. Type of Business Entity:</b>  <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Governmental Agency <input type="checkbox"/> LLC <input type="checkbox"/> Partnership <input type="checkbox"/> Limited Partnership	<b>7. Is the Applicant the:</b>  <input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Both  If the Applicant is not both the owner and operator, please provide the name and address of the other party.
<b>8. Number of onsite employees:</b>  650	
<b>9. Governmental Code:</b>  <input checked="" type="checkbox"/> Privately owned and operated; 0 <input type="checkbox"/> County government owned and operated; 3 <input type="checkbox"/> Federally owned and operated; 1 <input type="checkbox"/> Municipality government owned and operated; 4 <input type="checkbox"/> State government owned and operated; 2 <input type="checkbox"/> District government owned and operated; 5	
<b>10. Business Confidentiality Claims</b>  Does this application include confidential information (per 45CSR31)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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.	

<b>11. Mailing Address</b>		
<b>Street or P.O. Box:</b> P. O. Box 2800		
<b>City:</b> Washington	<b>State:</b> WV	<b>Zip:</b> 26181-2800
<b>Telephone Number:</b> (304) 863-4240 Gatehouse	<b>Fax Number:</b> ( ) -	

<b>12. Facility Location</b>		
<b>Street:</b> 8480 DuPont Road	<b>City:</b> Washington	<b>County:</b> Wood
<b>UTM Easting:</b> 442.368 km	<b>UTM Northing:</b> 4,346.679 km	<b>Zone:</b> <input checked="" type="checkbox"/> 17 or <input type="checkbox"/> 18
<b>Directions:</b> 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.		
<b>Portable Source?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<b>Is facility located within a nonattainment area?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>If yes, for what air pollutants?</b> PM 2.5
<b>Is facility located within 50 miles of another state?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>If yes, name the affected state(s).</b> Ohio
<b>Is facility located within 100 km of a Class I Area<sup>1</sup>?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  <b>If no, do emissions impact a Class I Area<sup>1</sup>?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, name the area(s).</b>
<sup>1</sup> 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.		

<b>13. Contact Information</b>		
<b>Responsible Official:</b> Jay Valvo		<b>Title:</b> Plant Manager
<b>Street or P.O. Box:</b> P. O. Box 2800, Building 24		
<b>City:</b> Washington	<b>State:</b> WV	<b>Zip:</b> 26101-2800
<b>Telephone Number:</b> (304) 863-2236	<b>Fax Number:</b> (304) 863-2290	
<b>E-mail address:</b> Jay.Valvo@dupont.com		
<b>Environmental Contact:</b> Charles R. Hill		<b>Title:</b> SHE Manager
<b>Street or P.O. Box:</b> P. O. Box 2800, Building 24		
<b>City:</b> Washington	<b>State:</b> WV	<b>Zip:</b> 26181-2800
<b>Telephone Number:</b> (304) 863-2202	<b>Fax Number:</b> (304) 863-2290	
<b>E-mail address:</b> Charles-R.F.Hill-1@dupont.com		
<b>Application Preparer:</b> Chris Shoop		<b>Title:</b> Sr. SHE Consultant
<b>Company:</b> DuPont		
<b>Street or P.O. Box:</b> P. O. Box 2800, Building 24		
<b>City:</b> Washington	<b>State:</b> WV	<b>Zip:</b> 26181-2800
<b>Telephone Number:</b> (304) 863-2133	<b>Fax Number:</b> (304) 863-2290	
<b>E-mail address:</b> Chris.E.Shoop@dupont.com		

#### 14. Facility Description

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

Process	Products	NAICS	SIC
Polyacetal Production	Polyacetal		2821

##### Provide a general description of operations.

The Delrin® is divided into three areas which work together to produce a finished acetal product. The first area is the **Formaldehyde Area** which produces the formaldehyde to be fed to the process. The formaldehyde is used in the **Chemical Area** which conditions the formaldehyde and converts it into raw polymer. The raw polymer is then sent to the **Finishing Area** where it extruded with additives into finished pellets which are then sold.

##### Formaldehyde Area

The Delrin® formaldehyde plant is designed to produce a nominal 53.5% by weight formaldehyde in water solution. Heat of reaction is recovered to produce 250 psig steam to the Delrin® Chemical Area.

The plant consists of three reactor loops each containing a reactor, blower, vaporizer, and a Dowtherm®A heat transfer fluid condenser/steam generator. Common equipment to the reactor loops includes two absorbers in series, a catalytic converter, a boiler feed water tank, a caustic tank, and a Dowtherm®A heater and storage tank. Support facilities include a cooling tower, two methanol storage tanks, and four formaldehyde tanks.

Methanol is normally received by barge and infrequently by tank truck. It is stored in two 1.77 MM gallon storage tanks equipped with internal floating roofs.

Formaldehyde is produced by air oxidation of methanol over a fixed bed catalyst packed in tubes in the reactors. The 7 - 9% methanol gas feed stream is converted to a gas stream containing formaldehyde, unreacted methanol, and reaction byproducts. The hot reactor gas passes through the vaporizer to provide heat to vaporize the liquid methanol feed. The gases then flow through the absorbers, where formaldehyde and water vapor are removed from the gas stream by countercurrent scrubbing with a small amount of demineralized water. Absorber pH is controlled by adding a small amount of caustic solution near the top of the second absorber.

The liquid product stream, a 53 - 55% percent by weight aqueous formaldehyde stream is adjusted to specified concentration after leaving the absorbers by mixing with a dilute formaldehyde stream generated from formaldehyde plant startup (usually 0 - 15% concentration). The aqueous formaldehyde product is stored in the formaldehyde tank farm for feed to the Delrin® Chemical Area.

The process gas which exits the absorbers is primarily nitrogen and oxygen, with small amounts of formaldehyde, water, methanol, carbon monoxide, and dimethyl ether. About two-thirds of the exit gas is mixed with air to bring the oxygen level up to 10 - 11% and returned to the reactor via the blower. The amount of recycle gas is controlled by a valve governed by oxygen analyzers to maintain the oxygen in the non-explosive region, less than 13% oxygen.

As the process gas is returned to the reactor, it passes through a vaporizer where fresh methanol is added by spraying into the gas stream. As previously noted, heat is supplied by the hot reactor gases.

Additional heat of reaction is removed from the reactor tubes by boiling Dowtherm®A in the reactor shell. The Dowtherm®A vapor passes to the Dowtherm®A condenser where it is condensed by boiler feed water, generating steam that is mixed with the steam from the catalytic converter(see below) and sent to the Delrin® Chemical Area.

The one-third of the process gas that is not recycled to the reactor loops flows through the catalytic converter system for air emissions control. Also, steam is generated from heat produced by the catalytic oxidation process that converts chemical compounds in the stream to CO<sub>2</sub> and water.

### **Chemical Area**

The polymerization of Acetal resin homopolymer starts with the purification of the formaldehyde monomer stream. The general feedstock for the purification stream equivalent to commercial grade (54% strength) formaldehyde solution with a low methanol content that may be either manufactured on site or trucked into the facility after purchase on the open market. This liquid solution of formaldehyde is then treated in an extraction column where a C8-C11 aliphatic alcohol mixture is used to selectively extract the formaldehyde from the water by forming an alcohol mixture by forming an alcohol hemiformal. This alcohol hemiformal is then dried by distillation in two consecutive columns (DEU and DEP) to remove water and impurities that are found in almost all formaldehyde. After drying the material the purified hemiformal is then thermally decomposed to generate essentially pure formaldehyde vapor through the use of a pyrolyzer and partial condenser system. An independent scrubber system is used to absorb the monomer generated during the start up of the polymerization process, when the polymerization vessel is not ready to receive the monomer or when the monomer has not reached a sufficient purity to be sent forward into the polymerization vessel. The monomer sent to the scrubber during these times is recovered and recycled in the process through a raw material concentration column (DEW).

The formaldehyde vapor exiting the partial condenser is sent to a polymerization vessel that contains a commercial heptane solvent blend as the carrier solvent for the forming homopolymer particles. This commercial solvent blend contains principally heptane and its isomers with small amounts of toluene (2-3%), n-hexane (0.25%) and a small concentration (max 100 ppmv) of benzene as the normal HAP constituents of the blend. This polymerization is cooled using a vacuum system that flashes portions of the solvent to remove the exothermic heat of reaction evolved in the polymerization. The vacuum system contains a series (2) of integral condensers prior to the vacuum producer (a two stage jet with an inter-stage and after condenser) to maximize solvent recovery and to prevent the overwhelming of the vacuum producer with solvent vapor. The polymerization vessel operates continuously with both formaldehyde and solvent feeds occurring continuously. A solvent and polymer slurry is constantly withdrawn from the polymerization vessel and sent to isolation to separate the polymer. The recovered solvent is recycled for further use in the process. Periodically the polymerization vessel must be shutdown to clear the vessel of polymer build up that occurs in the walls and head of the vessel during the polymerization. This clean out is performed through a condenser based emission control system with a different emission point since the off gas handling system usually used during production is a fuel rich system and will not tolerate air.

The homopolymer and solvent slurry mixture produced in the polymerizer during normal operation is fed to a separation device that isolates the solids and drops them into a conveyor/dryer system. The solids have most of the residual solvent removed in this system and they are then placed into a set of intermediate storage bins. These bins feed an air conveying system that transports the intermediate polymer (raw fluff) to a reactor processing vessel that "caps" the homopolymer chains with a terminating agent to improve the stability of the polymer chains. In this capping operation a small, but significant portion of the raw homopolymer (raw fluff) will depolymerize to generate formaldehyde. The capping is done in a vapor phase reaction with excess of the required formaldehyde. The capping is done in a vapor phase reaction with excess of the required amount of capping agent present. The off gas stream from the capping reactor is sent through a series of condensers to recover the capping reagent and evolved formaldehyde for further purification and reuse. The formaldehyde recovered is sent to other parts of the process for concentration and recycled back to the feed tank of the initial extraction process.

The capped polymer exits from the capping reactor and is sparged with inert gas to reduce the residual reactants present on the polymer. Upon exiting the sparger the finished product is ready for either conversion to another form or the direct sale or transfer to other processors. This is also the point of definition for the final product for the current Acetal MACT (40 CFR 63 Subpart YY).

### **Finishing Area**

The capped fluff is loaded out into boxes for temporary storage or shipment; or into rail cars for temporary storage or shipment. It may also be loaded into sea-land boxes for shipment overseas, or fed to a set of conversion lines in which other materials and modifiers are added to the fluff to produce modified polymers in pellet form.

In the finishing area the pelletized polymer is produced by five extrusion lines that are used to alter the form of the product produced in the plant through the use of additives, heat, and pressure. These modified products exhibit improved characteristics that improve their market value. Raw materials for the extrusion system are received in boxes, bags, leverpaks, and by pneumatic transport from other portions of the facility. The materials are fed

directly to extruders through metering devices, or used to make blends for a similar incorporation into a final product.

Raw materials for the extrusion lines include modifiers, colors, and base plastic materials. Some finished material from the polymerization unit is packed out directly for shipment to other processors or for interim storage.

The extrusion feed material is fed to the extruders where the materials are thoroughly mixed and converted to another product form by extrusion. The product, usually in the form of pellets, is dried, screened, conveyed, and packaged into either shipping or storage containers. The material is then shipped to other users or to customers.

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.	
<input checked="" type="checkbox"/> SIP	<input type="checkbox"/> FIP
<input checked="" type="checkbox"/> Minor source NSR (45CSR13)	<input type="checkbox"/> PSD (45CSR14)
<input type="checkbox"/> NESHAP (45CSR34)	<input type="checkbox"/> Nonattainment NSR (45CSR19)
<input checked="" type="checkbox"/> Section 111 NSPS	<input checked="" type="checkbox"/> Section 112(d) MACT standards
<input type="checkbox"/> Section 112(g) Case-by-case MACT	<input checked="" type="checkbox"/> 112(r) RMP
<input type="checkbox"/> Section 112(i) Early reduction of HAP	<input type="checkbox"/> Consumer/commercial prod. reqts., section 183(e)
<input type="checkbox"/> Section 129 Standards/Reqts.	<input checked="" type="checkbox"/> Stratospheric ozone (Title VI)
<input type="checkbox"/> Tank vessel reqt., section 183(f)	<input type="checkbox"/> Emissions cap 45CSR§30-2.6.1
<input type="checkbox"/> NAAQS, increments or visibility (temp. sources)	<input checked="" type="checkbox"/> 45CSR27 State enforceable only rule
<input checked="" type="checkbox"/> 45CSR4 State enforceable only rule	<input type="checkbox"/> Acid Rain (Title IV, 45CSR33)
<input type="checkbox"/> Emissions Trading and Banking (45CSR28)	<input type="checkbox"/> Compliance Assurance Monitoring (40CFR64)
<input type="checkbox"/> CAIR NO <sub>x</sub> Annual Trading Program (45CSR39)	<input type="checkbox"/> CAIR NO <sub>x</sub> Ozone Season Trading Program (45CSR40)
<input type="checkbox"/> CAIR SO <sub>2</sub> Trading Program (45CSR41)	

19. Non Applicability Determinations
<p><b>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.</b></p> <p>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 petroleum liquid storage tanks in the Acetal Resin Production Area.</p> <p>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 petroleum liquid storage tanks in the Acetal Resin Production Area.</p> <p>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.” Storage tanks DON, DOP, and DMH are subject to the requirements of 40 C.F.R. 60, Subpart Kb and 40 C.F.R. 63, Subpart YY, but in accordance with 40 C.F.R. §63.1100(g)(1)(ii), these tanks are now only required to comply with the provisions of 40 C.F.R. 60, Subpart YY.</p> <p>d. 40 C.F.R. 60, Subpart VV - “Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry.” Sources in the Acetal Resin Production Area are subject to the provisions of 40 C.F.R. 60, Subpart VV but, in accordance with 40 C.F.R. §§63.160(c)(1) and 63.1100(g)(4),</p>



are now only required to comply with the provisions of 40 C.F.R. 63, Subpart H and 40 C.F.R. 63, Subpart YY.

- e. 40 C.F.R. 60, Subpart DDD - “Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry.” The Acetal Resin Production Area does not manufacture polypropylene, polyethylene, polystyrene, or poly(ethylene terephthalate) for which this rule applies.
- f. 40 C.F.R. 60, Subpart III – “Standards of Performance for Volatile Organic Compound (VOC) Emissions From the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes.” In accordance with 40 C.F.R. §63.110(d)(1), Group 1 process vents subject to the provisions of both 40 C.F.R. 63, Subpart G and 40 C.F.R. 60, Subpart III are only required to comply with the provisions of 40 C.F.R. 63, Subpart G.
- g. 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 Acetal Resin Production Area.
- h. 40 C.F.R. 63, Subpart DD – “National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations.” The Acetal Resin Production Area does not receive off-site materials as specified in paragraph 40 C.F.R. §63.680(b) and the operations are not one of the waste management operations or recovery operations as specified in 40 C.F.R. §§63.680(a)(2)(i) through (a)(2)(vi).
- i. 40 C.F.R. 63, Subpart EEE – “National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.” DOM is not subject to the provisions of this subpart because, in accordance with 40 C.F.R. §63.1200(b)(3), it does not combust a hazardous waste as defined by 40 C.F.R. §§266.100(c) and 261.4(a)(16).
- j. 40 C.F.R. 63, Subpart JJJ - “National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins.” The Acetal Resin Production Area does not produce the materials listed in 40 C.F.R. §63.1310.
- k. 40 C.F.R. 63, Subpart PPPP – “National Emission Standards for Hazardous Air Pollutants: Surface Coating of Plastic Parts and Products.” The Acetal Resin Production Area does not produce an intermediate or final product that meets the definition of a “surface coated” plastic part.
- l. 40 C.F.R. 63, Subpart WWWW - “National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production.” The Acetal Resin Production Area 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.
- m. 40 C.F.R. 63, Subpart ZZZZ – “National Emission Standards for Hazardous Air Pollutants: Reciprocating Internal Combustion Engines.” The Acetal Resin Production Area does not have a stationary Reciprocating Internal Combustion Engine (RICE) as defined by 40 C.F.R. §63.6675.
- n. 40 C.F.R. 63, Subpart DDDDD – “National Emission Standards for Hazardous Air Pollutants: Industrial/Commercial/Institutional Boilers and Process Heaters.” The Acetal Resin Production Area does not own or operate an industrial, commercial, or institutional boiler or process heater as defined in 40 C.F.R. §63.7575.
- o. 40 C.F.R. 63, Subpart GGGGG – “National Emission Standards for Hazardous Air Pollutants: Site Remediation.” The Acetal Resin Production Area does not conduct site remediation as defined by 40 C.F.R. §63.7957 that meets all three of the conditions specified in 40 C.F.R. §§63.7881(a)(1) through (a)(3).

- p. 40 C.F.R. 63, Subpart HHHHH – “National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing.” The Acetal Resin Production Area does not produce, blend, or manufacture coatings as part of the manufacturing process.
- q. 40 C.F.R. 63, Subpart NNNNN – “National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production.” The Acetal Resin Production Area is not an HCl production facility as defined by 40 C.F.R. §63.9075.
- r. 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 Acetal Resin Production Area does not conduct motor vehicle maintenance involving CFCs on site.
- s. 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 Acetal Resin Production Area does not use, manufacture, nor distribute these materials.
- t. 45CSR15 – “Emission Standards for Hazardous Air Pollutants Pursuant to 40 C.F.R. 61.” The Acetal Resin Production Area is not subject to any requirements under 40 C.F.R. 61.
- 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, the Acetal Resin Production Area is not subject to 45CSR17 because it is subject to the fugitive particulate matter emission requirements of 45CSR7.
- v. 40 C.F.R. 63, Subpart EEEE – “National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline).” Storage tanks DIN, DIR, and DIS are existing tanks with a design capacity greater than or equal to 18.9 cubic meters (5,000 gallons) and less than 189.3 cubic meters (50,000 gallons) storing an organic liquid with an annual average true vapor pressure of the total Table 1 organic HAP in the stored organic liquid less than 27.6 kilopascals (4.0 psia). Since the annual average true vapor pressure of the total Table 1 organic HAP is less than 4.0 psia, these tanks are not required to be controlled under 40 C.F.R. 63, Subpart EEEE and are only subject to the notification, recordkeeping, and reporting requirements of 40 C.F.R. §§63.2343(b)(1) through (3). The unloading systems for these tanks, DJZ, DJY, and DJX are used for unloading the storage tanks when maintenance or inspection is required and are not an affected source under 40 C.F.R. 63, Subpart EEEE as specified in 40 C.F.R. §63.2338(c)(3). Since the tanks do not require control and the unloading systems are not affected sources, 40 C.F.R. §63.2350(c) does not require DuPont to develop a written startup, shutdown, and malfunction (SSM) plan for the tanks or unloading systems. Also, since the equipment leak detection requirements of 40 C.F.R. §63.2346(c) only apply if the affected source has at least one storage tank or transfer rack that meets the applicability criteria for control in Table 2 of 40 C.F.R. 63, Subpart EEEE, and none of the tanks or transfer racks are required to be controlled, DuPont is not subject to the leak detection and repair requirements of 40 C.F.R. 63, Subpart EEEE.

☒ 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. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.  
[45CSR§6-3.1.]
- 3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.  
[45CSR§6-3.2.]
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.  
[40 C.F.R. §61.145(b) and 45CSR15]
- 3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.  
[45CSR§4-3.1 State-Enforceable only.]
- 3.1.5. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11.  
[45CSR§11-5.2]
- 3.1.6. **Emission inventory.** The permittee is responsible for submitting, on an annual basis, an emission inventory in accordance with the submittal requirements of the Division of Air Quality.  
[W.Va. Code § 22-5-4(a)(14)]
- 3.1.7. **Ozone-depleting substances.** For those facilities performing maintenance, service, repair or disposal of appliances, the permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 C.F.R. Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the prohibitions and required practices pursuant to 40 C.F.R. §§ 82.154 and 82.156.
  - b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 C.F.R. § 82.158.

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

**[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. The permittee shall comply with all hourly and annual emission limits set forth by the affected 45CSR13 permits, for each of the sources and associated emission points identified in Attachment A of R13-2617.

Note: For the Acetal Resin Production Area, the affected permits are R13-1596, R13-1849, and R13-2381, the Attachment A listing only for those sources in the Acetal Resin Production Area is provided in APPENDIX A.1, and the hourly and annual emission limits for the affected sources are provided in 4.1.6 and APPENDIX B.1; 5.1.1 and 5.1.2; and 6.1.3, 6.1.4, 6.1.5, and APPENDIX D.2.

**[45CSR13, R13-2617, 4.1.1]**

- 3.1.10. The permitted sources identified in Attachment A of R13-2617 and recognized as being subject to 45CSR21 shall comply with all applicable requirements of 45CSR21 – “Regulation to Prevent and Control Air Pollution from the Emission of Volatile Organic Compounds” provided, however, that compliance with any more stringent requirements under the affected 45CSR13 permit identified in Attachment A of R13-2617, are also demonstrated. The applicable requirements set forth by 45CSR21 shall include, but not be limited to, the following:

**[45CSR13, R13-2617, 4.1.2]**

- 3.1.10.1. The permittee shall maintain the aggregated hourly and annual VOC control efficiency of 90% or greater, on a site-wide basis, for all existing sources listed or required to be listed as part of the original facility-wide Reasonably Available Control Measures (RACM) plan, as identified in Attachment A of R13-2617. **[45CSR13, R13-2617, 4.1.2.1; 45CSR§21-40.3.a.1 (State-Enforceable only)]**

- 3.1.10.2. On or after May 1, 1996, construction or modification of any emission source resulting in a maximum theoretical emissions (MTE) of VOCs equaling or exceeding six (6) pounds per hour and not listed or required to be listed in the facility-wide RACM plan shall require the prior approval by the Director of an emission control plan that meets the definition of reasonable available control technology (RACT) on a case-by-case basis for both fugitive and non-fugitive VOC emissions from such source. All sources constructed or modified on or after May 1, 1996 shall be subject to the following: **[45CSR13, R13-2617, 4.1.2.2; 45CSR§21-40.3.c (State-Enforceable only)]**

- a. The RACT control plan(s) shall be embodied in a permit in accordance to 45CSR13. **[45CSR13, R13-2617, 4.1.2.2.a; 45CSR§21-40.4.e (State-Enforceable only)]**

- b. The MTE and associated emission reductions of the constructed or modified

source will not be calculated into the site-wide aggregate hourly and annual emissions reduction requirements set forth in Section 3.1.10.1. **[45CSR13, R13-2617, 4.1.2.2.b]**

3.1.10.3.If a modification to an existing source with current MTE below the threshold of six (6) pounds per hour of VOCs causes an increase in the MTE that results in the source exceeding the six (6) pounds per hour threshold for the first time, the source shall be subject to RACT in accordance to Section 3.1.10.2. **[45CSR13, R13-2617, 4.1.2.3; 45CSR§21-40.3.c (State-Enforceable only)]**

3.1.10.4.Physical changes to or changes in the method of operation of an existing emission source listed or required to be listed as part of the facility-wide RACM plan, that results in an increase in VOC emissions of any amount, shall require the prior approval by the Director of an emission control plan that meets the definition of RACT on a case-by-case basis for both fugitive and non-fugitive VOC emissions from the source. All sources modified on or after May 1, 1996 shall be subject to the following; **[45CSR13, R13-2617, 4.1.2.4; 45CSR§21-40.3.c (State-Enforceable only)]**

- a. The RACT control plan (s) shall be embodied in a permit in accordance to 45CSR13. **[45CSR13, R13-2617, 4.1.2.4.a; 45CSR§21-40.4.e (State-Enforceable only)]**
- b. The facility-wide RACM plan shall be modified to include the RACT analysis conducted on the modified source(s). **[45CSR13, R13-2617, 4.1.2.4.b]**
- c. The MTE and associated emission reductions of the modified source shall be recalculated as part of the site-wide aggregate hourly and annual emissions reduction requirements to demonstrate compliance with the minimum 90% reduction rate as set forth in 3.1.10.1 of this permit. **[45CSR13, R13-2617, 4.1.2.4.c]**

3.1.10.5.In the event the facility-wide RACM plan is modified to delete an existing emission source, and any associated pollution control equipment, due to the source being permanently removed from service or reassigned to service not subject to the requirements of 45CSR§21-40, the MTE shall be recalculated to demonstrate that the 90% facility-wide VOC reduction requirement set forth in Section 3.1.10.1 is still being met. In the event such a modification results in the site-wide aggregate hourly and annual emissions reduction being recalculated to a rate less than 90%, the RACM plan shall be revised to include all new and/or modified sources and their associated control technologies constructed on or after May 1, 1996, in order to meet the requirements set forth in 3.1.10.1. **[45CSR13, R13-2617, 4.1.2.5]**

3.1.10.6.In the event a source and associated emission point identified in Attachment A of R13-2617 is subject to the New Source Performance Standards (NSPS) of 40 C.F.R. 60, the National Emission Standards for Hazardous Air Pollutants (NESHAP) of 40 C.F.R. 61, or the Maximum Achievable Control Technology (MACT) standards of 40 C.F.R. 63, then compliance with such requirements as defined in the affected 45CSR13 permit shall demonstrate compliance with the RACT requirements set forth in R13-2617. **[45CSR13, R13-2617, 4.1.2.6]**

Note: For the Acetal Resin Production Area, the affected permits are R13-1596, R13-1849, and R13-2381, and the Attachment A only for those sources in the Acetal Resin Production Area is provided in APPENDIX A.1.

3.1.11. The permitted sources identified in Attachment A of R13-2617 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 Attachment A of R13-2617 are also demonstrated. The applicable requirements set forth by 45CSR27 shall include, but not be limited to, the following: **[45CSR13, R13-2617, 4.1.3]**

3.1.11.1. 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 Attachment A of R13-2617. **[45CSR13, R13-2617, 4.1.3.1; 45CSR§27-3.1 (State-Enforceable only)]**

3.1.11.2. 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 Attachment A of R13-2617 as operating in TAP service. **[45CSR13, R13-2617, 4.1.3.2; 45CSR§27-4.1 (State-Enforceable only)]**

Note: For the Acetal Resin Production Area, the affected permits are R13-1596, R13-1849, and R13-2381, and the Attachment A listing only for those sources in the Acetal Resin Production Area is provided in APPENDIX A.1.

3.1.12. In the event a source and associated emission point identified in Attachment A of R13-2617 are 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 3.1.11.

Note: For the Acetal Resin Production Area, the affected permits are R13-1596, R13-1849, and R13-2381, and the Attachment A listing only for those sources in the Acetal Resin Production Area is provided in APPENDIX A.1.

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

3.1.13. 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 operations and maintenance procedures, to minimize the emission of fugitive particulate matter. To minimize means such system shall be installed, maintained and operated to ensure the lowest fugitive particulate emissions reasonably achievable. **[45CSR§7-5.1; 45CSR13, R13-1596, 4.1.7; 45CSR13, R13-1849, 4.1.3.4]**

3.1.14. The owner or operator of a plant 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. **[45CSR§7-5.2; 45CSR13, R13-1849, 4.1.3.5]**

3.1.15. **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 Appendix A.1 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, R13-2617, 4.1.5]

### **3.2. Monitoring Requirements**

- 3.2.1. The permittee shall implement and maintain leak detection and repair (LDAR) programs for the reduction of fugitive VOC emissions in all manufacturing process units subject to 45CSR§21-40 producing a product or products intermediate or final, in excess of 1,000 megagrams (1,100 tons) per year in accordance with the applicable methods and criteria of 45CSR§21-37 or alternate procedures approved by the Director. Procedures approved by the Director, 40 C.F.R. 60, Subpart VV, 40 C.F.R. 61, Subpart V, 40 C.F.R. 63, Subpart H, 40 C.F.R. 63, Subpart TT, 40 C.F.R. 63, Subpart UU, 40 C.F.R. 65, Subpart F, and 40 C.F.R. 265, Subpart CC. This requirement shall apply to all units identified in Attachment A of R13-2617 irrespective of whether or not such units produce as intermediates or final products, substances on the lists contained with 40 C.F.R. 60, 40 C.F.R. 61, or 40 C.F.R. 63.

Note: The Attachment A listing only for those sources in the Acetal Resin Production Area is provided in APPENDIX A.1.

[45CSR13, R13-2617, 4.2.1; 45CSR§21-40.3.a.2 (State-Enforceable only)]

- 3.2.2. The permittee shall implement and maintain a LDAR program for the applicable sources and emission points identified in Attachment A of R13-2617 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 Acetal Resin Production Area is provided in APPENDIX A.1.

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

- 3.2.3. In the event a source and associated emission point identified in Attachment A of R13-2617 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 Acetal Resin Production Area, the affected permits are R13-1596, R13-1849, and R13-2381, and the Attachment A listing only for those sources in the Acetal Resin Production Area is provided in APPENDIX A.1.

[45CSR13, R13-2617, 4.2.3; 45CSR§21-37.1.c (State-Enforceable only); 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.
- 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.

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

- 3.3.2. Manufacturing process units may be exempted upon written request of the permittee to the Director. Exempted units are exempted from the frequency of testing as described in 45CSR§21-37, however, LDAR testing of this unit or certification of emission using approved fugitive emission factors will be required every three years, or upon request by the Director or his duly authorized representative. Waiver or scheduling of LDAR testing every three years may be granted by the Director if written request and justification are submitted by the permittee. Units exempted from testing are not exempted from testing which may be required under any other applicable State or Federal regulations, orders, or permits. The Director may periodically require verifications by the permittee that maintenance and repair procedures associated with approved exemptions are continued and practiced. **[45CSR13, R13-2617, 4.3.1; 45CSR§21-40.3.a.2 (State-Enforceable only)]**

- 3.3.2. In the event a source and associated emission point identified in Attachment A of R13-2617 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 Acetal Resin Production Area, the affected permits are R13-1596, R13-1849, and R13-2381, and the Attachment A listing only for those sources in the Acetal Resin Production Area is provided in APPENDIX A.1.

**[45CSR13, R13-2617, 4.3.2; 45CSR§21-37.1.c (State-Enforceable only); 45CSR§27-4.1**



### 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.; 45CSR13, R13-2617, 4.4.1; 45CSR13, R13-1596, 4.4.1; 45CSR13, R13-1849, 4.4.1; 45CSR13, R13-2381, 4.4.1]

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. Such record shall contain an assessment of the validity of the complaints as well as any corrective actions taken.

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

3.4.4. **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, R13-2617, 4.4.2; 45CSR13, R13-1596, 4.4.2; 45CSR13, R13-1849, 4.4.2; 45CSR13, R13-2381, 4.4.2]

3.4.5. **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, R13-2617, 4.4.3; 45CSR13, R13-1596, 4.4.3; 45CSR13, R13-1849, 4.4.3; 45CSR13, R13-2381, 4.4.3]**

- 3.4.6. Unless granted a variance pursuant to 45CSR§21-9.3, or as approved by the Director as part of a required Start-up, Shutdown, and Malfunction (SSM) Plan mandated under 40 C.F.R. §63.6(e) or another applicable Section of 40 C.F.R. 63, the owner or operator of the facility shall operate all emission control equipment listed in Attachment A of R13-2617 as part of the facility-wide control efficiency plan at all times the facilities are in operation or VOC emissions are occurring from these sources or activities. In the event of a malfunction, and a variance has not been granted, the production unit shall be shutdown or the activity discontinued as expeditiously as possible. The permittee shall comply with 45CSR§21-9.3 with respect to all periods of non-compliance with the emission limitations set forth in the affected 45CSR13 permits and the emissions reduction requests set forth in the facility-wide control efficiency plan resulting from unavoidable malfunctions of equipment.

Note: For the Acetal Resin Production Area, the affected permits are R13-1596, R13-1849, and R13-2381, and the Attachment A listing only for those sources in the Acetal Resin Production Area is provided in APPENDIX A.1.

**[45CSR13, R13-2617, 4.4.4]**

- 3.4.7. 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 Attachment A of R13-2617.

Note: For the Acetal Resin Production Area, the affected permits are R13-1596, R13-1849, and R13-2381, and the Attachment A listing only for those sources in the Acetal Resin Production Area is provided in APPENDIX A.1.

**[45CSR13, R13-2617, 4.4.5]**

- 3.4.8. The permittee shall monitor all fugitive particulate emission sources as required by 3.1.13. to ensure that a system to minimize fugitive emissions has been installed or implemented. Records shall be maintained on site for a period of no less than five (5) years 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.]**
- 3.4.9. The permittee shall maintain records indicating the use of any dust suppressants or any other suitable dust control measures as required by 3.1.14 applied at the facility. These records shall be maintained on site for a period of no less than five (5) years. **[45CSR§30-5.1.c.]**
- 3.4.10. Your site remediation activities are not subject to the requirements of 40 C.F.R. 63, Subpart GGGGG, except for the recordkeeping requirements in this paragraph, provided that you meet the requirements specified in paragraphs (c)(1) through (c)(3) of this section.

3.4.10.1. You determine that the total quantity of the HAP listed in Table 1 of 40 C.F.R. 63, Subpart GGGGG that is contained in the remediation material excavated, extracted, pumped, or otherwise removed during all of the site remediations conducted at your facility is less than 1 mega gram (Mg) annual. This exemption applies the 1 Mg limit on a facility-wide, annual basis, and there is no restriction to the number of site remediations that can be conducted during this period.

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

3.4.10.3. Your Title V permit does not have to be reopened or revised solely to include the recordkeeping requirement specified in 3.4.10.2. However, the requirement must be included in your permit the next time the permit is renewed, reopened, or revised for another reason.

[45CSR34; 40 C.F.R. §63.7881(c)]

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

#### **If to the DAQ:**

Director  
WVDEP  
Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304

Phone: 304/926-0475  
FAX: 304/926-0478

#### **If to the US EPA:**

Associate Director  
**Office of Enforcement and Permits Review  
(3AP12)**  
U. S. Environmental Protection Agency  
Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

- 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.  
[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.  
[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.]**

- 3.5.10. The permittee shall submit to the DAQ a plan for complete, facility-wide implementation of RACT requirements within one hundred eighty (180) days of notification by the Director that a violation of the National Ambient Air Quality Standards (NAAQS) for ozone (that were in effect on or before May 1, 1996) has occurred. Such plan shall include those sources listed in Attachment A of R13-2617 as part of the site-wide control efficiency requirement and may contain an update of existing RACT analyses. Full implementation of such plan shall be completed within two (2) years of approval of the RACT plan by the Director.

Note: The Attachment A listing only for those sources in the Acetal Resin Production Area is provided in APPENDIX A.1.

**[45CSR13, R13-2617, 4.5.1; 45CSR§40.4.c.1]**

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**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.)**

Included in previous section

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

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

<b>21. Active Permits/Consent Orders</b>		
Permit or Consent Order Number	Date of Issuance MM/DD/YYYY	List any Permit Determinations that Affect the Permit <i>(if any)</i>
R13-1596E	03/15/2011	
R13-1849N	08/28/2014	
R13-2381H	01/06/2015	Application for 13-2381I submitted 1/10/17
R13-2617I	12/08/2014	
CO-R34-E-2015-08	03/30/2015	

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

**Section 3: Facility-Wide Emissions**

<b>23. Facility-Wide Emissions Summary [Tons per Year]</b>	
Criteria Pollutants	Potential Emissions
Carbon Monoxide (CO)	67.87
Nitrogen Oxides (NO <sub>x</sub> )	48.30
Lead (Pb)	
Particulate Matter (PM <sub>2.5</sub> ) <sup>1</sup>	14.84
Particulate Matter (PM <sub>10</sub> ) <sup>1</sup>	14.84
Total Particulate Matter (TSP)	14.84
Sulfur Dioxide (SO <sub>2</sub> )	11.30
Volatile Organic Compounds (VOC)	237.84
Hazardous Air Pollutants <sup>2</sup>	Potential Emissions
Total HAP <sup>3</sup>	30.83
Formaldehyde	19.05
Methylene Chloride	0.28
Methanol	2.40
Toluene	8.79
Hexane	1.05
Styrene	0.00
Benzene	0.04
BiPhenyl/Diphenyl Ether	0.16
Regulated Pollutants other than Criteria and HAP	Potential Emissions
<sup>1</sup> PM <sub>2.5</sub> and PM <sub>10</sub> are components of TSP.	
<sup>2</sup> For HAPs that are also considered PM or VOCs, emissions should be included in both the HAPs section and the Criteria Pollutants section.	
<sup>3</sup> Total HAP includes specific HAPs listed below.	

**Section 4: Insignificant Activities**

<b>24. Insignificant Activities (Check all that apply)</b>	
<input checked="" type="checkbox"/>	1. Air compressors and pneumatically operated equipment, including hand tools.
<input checked="" type="checkbox"/>	2. Air contaminant detectors or recorders, combustion controllers or shutoffs.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	4. Bathroom/toilet vent emissions.
<input checked="" type="checkbox"/>	5. Batteries and battery charging stations, except at battery manufacturing plants.
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	7. Blacksmith forges.
<input type="checkbox"/>	8. Boiler water treatment operations, not including cooling towers.
<input checked="" type="checkbox"/>	9. Brazing, soldering or welding equipment used as an auxiliary to the principal equipment at the source.
<input type="checkbox"/>	10. CO <sub>2</sub> lasers, used only on metals and other materials which do not emit HAP in the process.
<input checked="" type="checkbox"/>	11. Combustion emissions from propulsion of mobile sources, except for vessel emissions from Outer Continental Shelf sources.
<input checked="" type="checkbox"/>	12. Combustion units designed and used exclusively for comfort heating that use liquid petroleum gas or natural gas as fuel.
<input checked="" type="checkbox"/>	13. Comfort air conditioning or ventilation systems not used to remove air contaminants generated by or released from specific units of equipment.
<input checked="" type="checkbox"/>	14. Demineralized water tanks and demineralizer vents.
<input type="checkbox"/>	15. Drop hammers or hydraulic presses for forging or metalworking.
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	17. Emergency (backup) electrical generators at residential locations.
<input type="checkbox"/>	18. Emergency road flares.
<input type="checkbox"/>	19. Emission units which do not have any applicable requirements and which emit criteria pollutants (CO, NO <sub>x</sub> , SO <sub>2</sub> , 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:
<input type="checkbox"/>	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:
<input type="checkbox"/>	21. Environmental chambers not using hazardous air pollutant (HAP) gases.
<input checked="" type="checkbox"/>	22. Equipment on the premises of industrial and manufacturing operations used solely for the purpose of preparing food for human consumption.
<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	24. Equipment used for quality control/assurance or inspection purposes, including sampling equipment



24. Insignificant Activities (Check all that apply)	
	used to withdraw materials for analysis.
<input checked="" type="checkbox"/>	25. Equipment used for surface coating, painting, dipping or spray operations, except those that will emit VOC or HAP.
<input checked="" type="checkbox"/>	26. Fire suppression systems.
<input checked="" type="checkbox"/>	27. Firefighting equipment and the equipment used to train firefighters.
<input type="checkbox"/>	28. Flares used solely to indicate danger to the public.
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	30. Hand-held applicator equipment for hot melt adhesives with no VOC in the adhesive formulation.
<input checked="" type="checkbox"/>	31. Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning or machining wood, metal or plastic.
<input type="checkbox"/>	32. Humidity chambers.
<input type="checkbox"/>	33. Hydraulic and hydrostatic testing equipment.
<input type="checkbox"/>	34. Indoor or outdoor kerosene heaters.
<input checked="" type="checkbox"/>	35. Internal combustion engines used for landscaping purposes.
<input type="checkbox"/>	36. Laser trimmers using dust collection to prevent fugitive emissions.
<input type="checkbox"/>	37. Laundry activities, except for dry-cleaning and steam boilers.
<input checked="" type="checkbox"/>	38. Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.
<input checked="" type="checkbox"/>	39. Oxygen scavenging (de-aeration) of water.
<input type="checkbox"/>	40. Ozone generators.
<input checked="" type="checkbox"/>	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.)
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	43. Process water filtration systems and demineralizers.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	45. Repairs or maintenance where no structural repairs are made and where no new air pollutant emitting facilities are installed or modified.
<input checked="" type="checkbox"/>	46. Routing calibration and maintenance of laboratory equipment or other analytical instruments.
<input checked="" type="checkbox"/>	47. Salt baths using nonvolatile salts that do not result in emissions of any regulated air pollutants. Shock chambers.
<input type="checkbox"/>	48. Shock chambers.
<input type="checkbox"/>	49. Solar simulators.
<input checked="" type="checkbox"/>	50. Space heaters operating by direct heat transfer.
<input checked="" type="checkbox"/>	51. Steam cleaning operations.
<input checked="" type="checkbox"/>	52. Steam leaks.

24. Insignificant Activities (Check all that apply)	
<input type="checkbox"/>	53. Steam sterilizers.
<input type="checkbox"/>	54. Steam vents and safety relief valves.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	57. Such other sources or activities as the Director may determine.
<input checked="" type="checkbox"/>	58. Tobacco smoking rooms and areas.
<input checked="" type="checkbox"/>	59. Vents from continuous emissions monitors and other analyzers.

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

<b>25. Equipment Table</b>
Fill out the <b>Title V Equipment Table</b> and provide it as <b>ATTACHMENT D</b> .
<b>26. Emission Units</b>
For each emission unit listed in the <b>Title V Equipment Table</b> , fill out and provide an <b>Emission Unit Form</b> as <b>ATTACHMENT E</b> .
For each emission unit not in compliance with an applicable requirement, fill out a <b>Schedule of Compliance Form</b> as <b>ATTACHMENT F</b> .
<b>27. Control Devices</b>
For each control device listed in the <b>Title V Equipment Table</b> , fill out and provide an <b>Air Pollution Control Device Form</b> as <b>ATTACHMENT G</b> .
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 <b>Compliance Assurance Monitoring (CAM) Form(s)</b> for CAM applicability. Fill out and provide these forms, if applicable, for each Pollutant Specific Emission Unit (PSEU) as <b>ATTACHMENT H</b> .

**Section 6: Certification of Information**

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

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

**a. Certification of Truth, Accuracy and Completeness**

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

**b. Compliance Certification**

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

**Responsible official (type or print)**

Name: Jay Valvo

Title: Plant Manager

**Responsible official's signature:**

Signature:



Signature Date:

11/10/17

(Must be signed and dated in blue ink)

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

☒ ATTACHMENT A: Area Map

☒ ATTACHMENT B: Plot Plan(s)

☒ ATTACHMENT C: Process Flow Diagram(s)

☒ ATTACHMENT D: Equipment Table

☒ ATTACHMENT E: Emission Unit Form(s)

☐ ATTACHMENT F: Schedule of Compliance Form(s)

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

☒ ATTACHMENT H: Compliance Assurance Monitoring (CAM) Form(s)

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

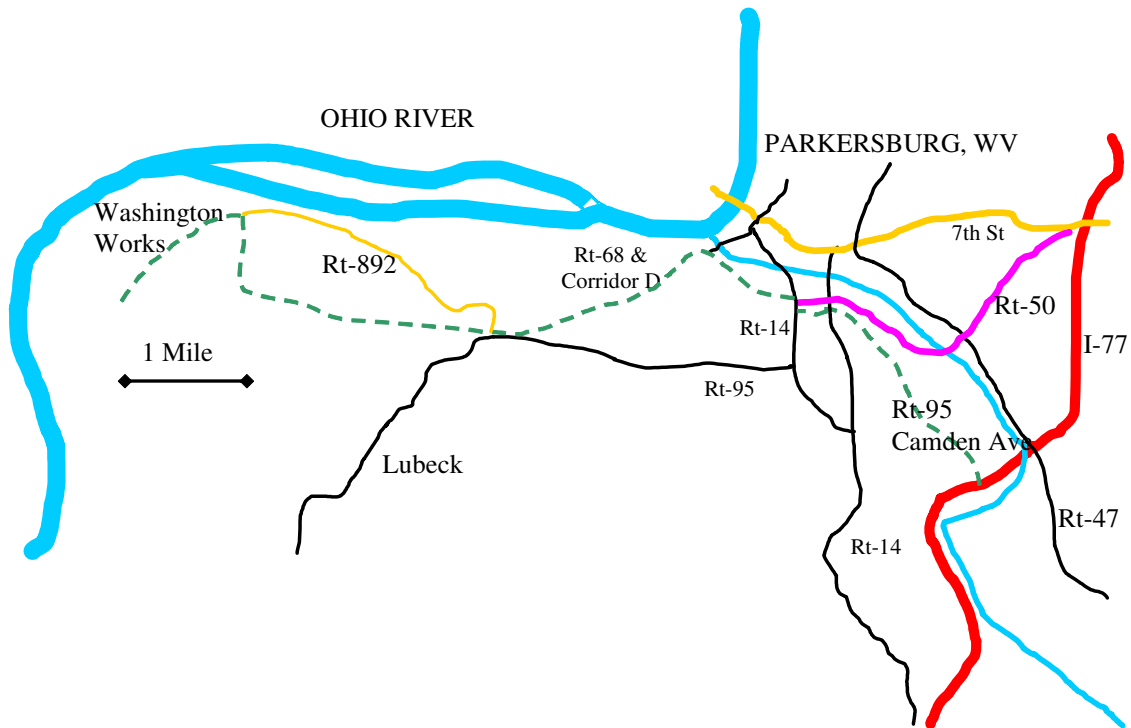
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Attachment G – Air Pollution Control Device Sheets	755
Attachment H – Compliance Assurance Monitoring Form	810

# **ATTACHMENT A**

## **Area Map**

## Attachment A – Area Map

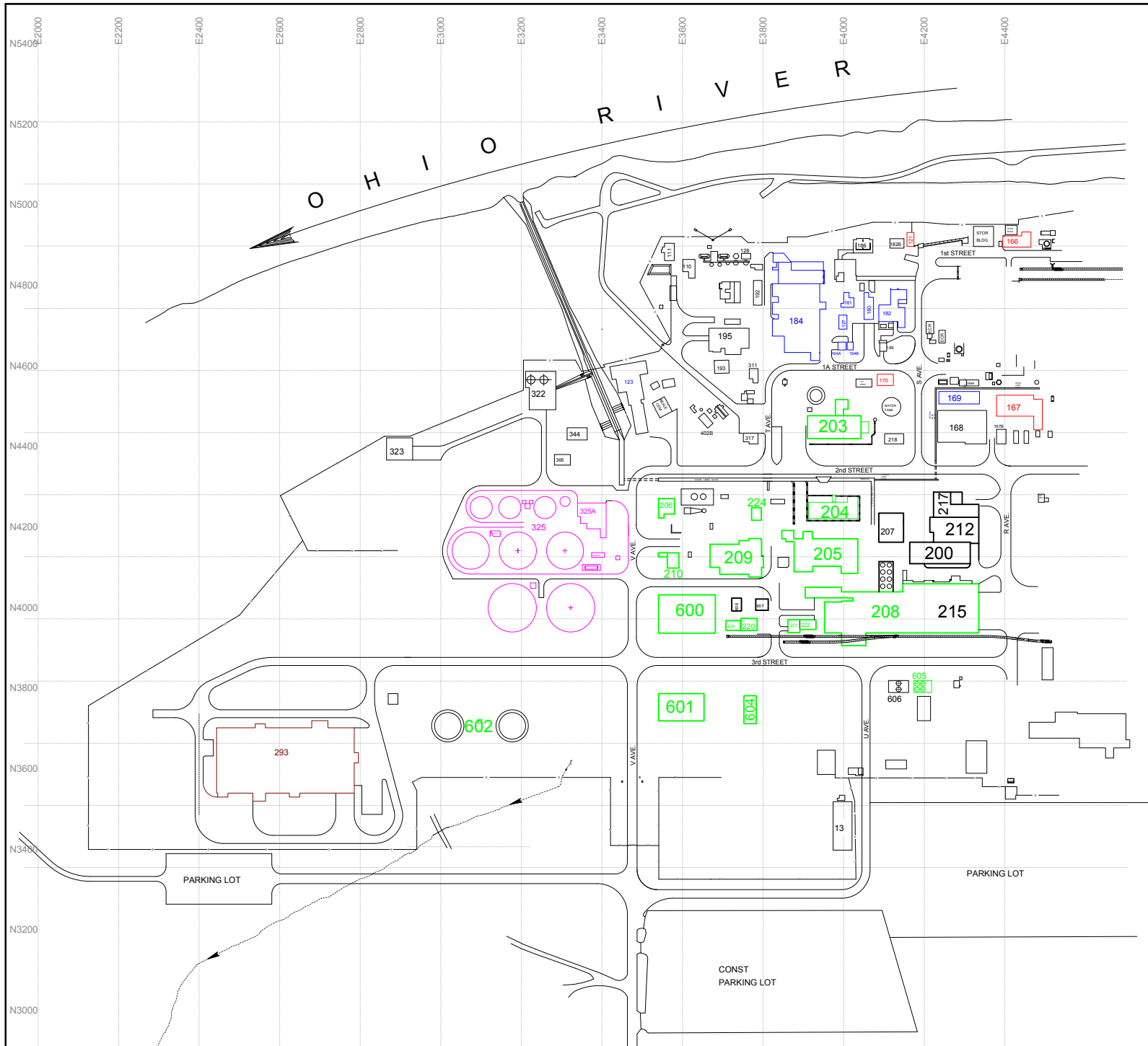


From Interstate 77, take exit for Rt-95/Camden Avenue.  
Proceed west until intersection with Rt-14 then turn right (north).  
After about 1/4 mile turn left onto Corridor D Bypass entrance.  
Follow the bypass to the exit just before the bridge.  
Turn left (south) onto DuPont Rd, Rt-892.  
Proceed approx. 1 mile to facility on right.

# **ATTACHMENT B**

## **Plot Plans**

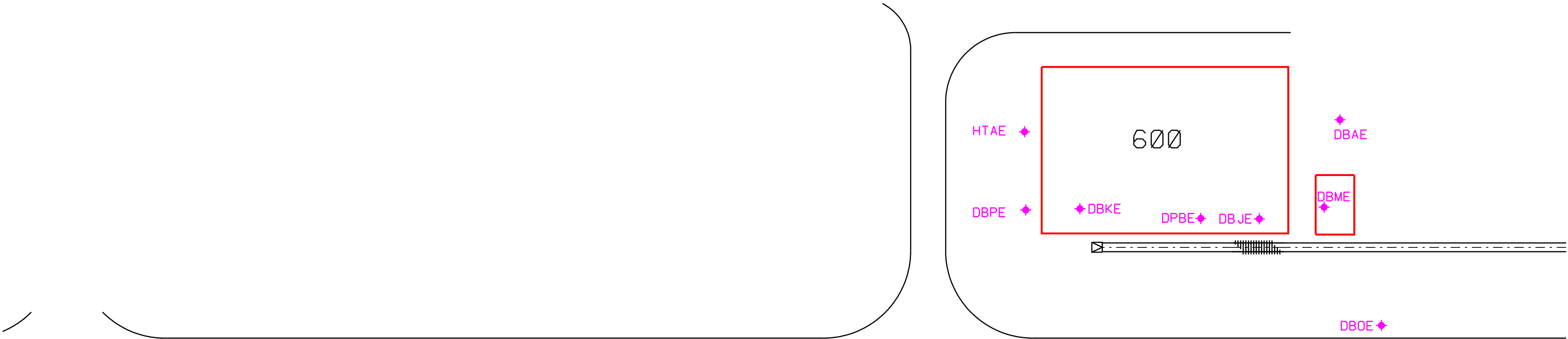


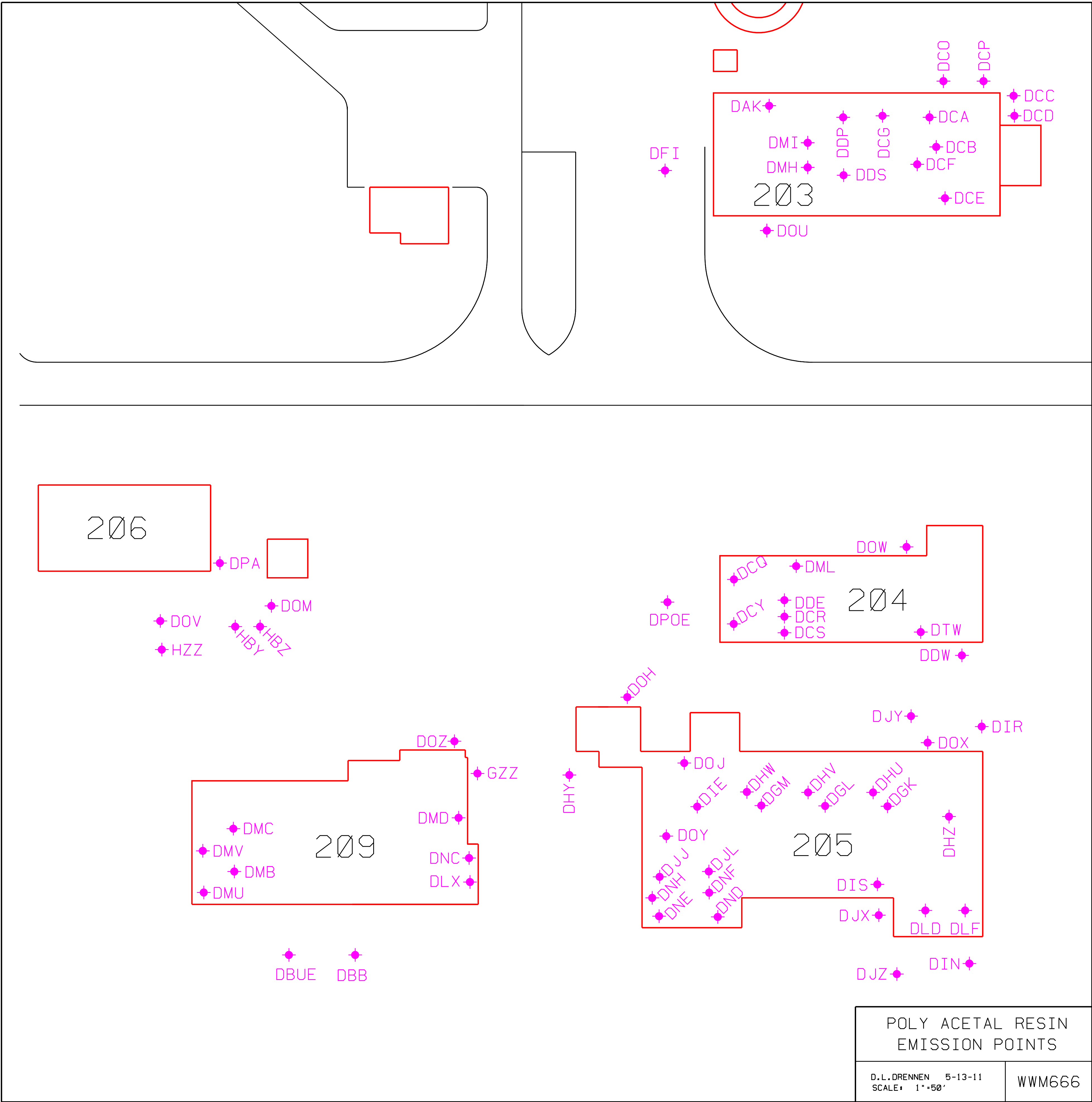


POLYACETAL RESIN



PLOT PLAN (WEST)			
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	CHECKED BY:	DATE:	FIGURE
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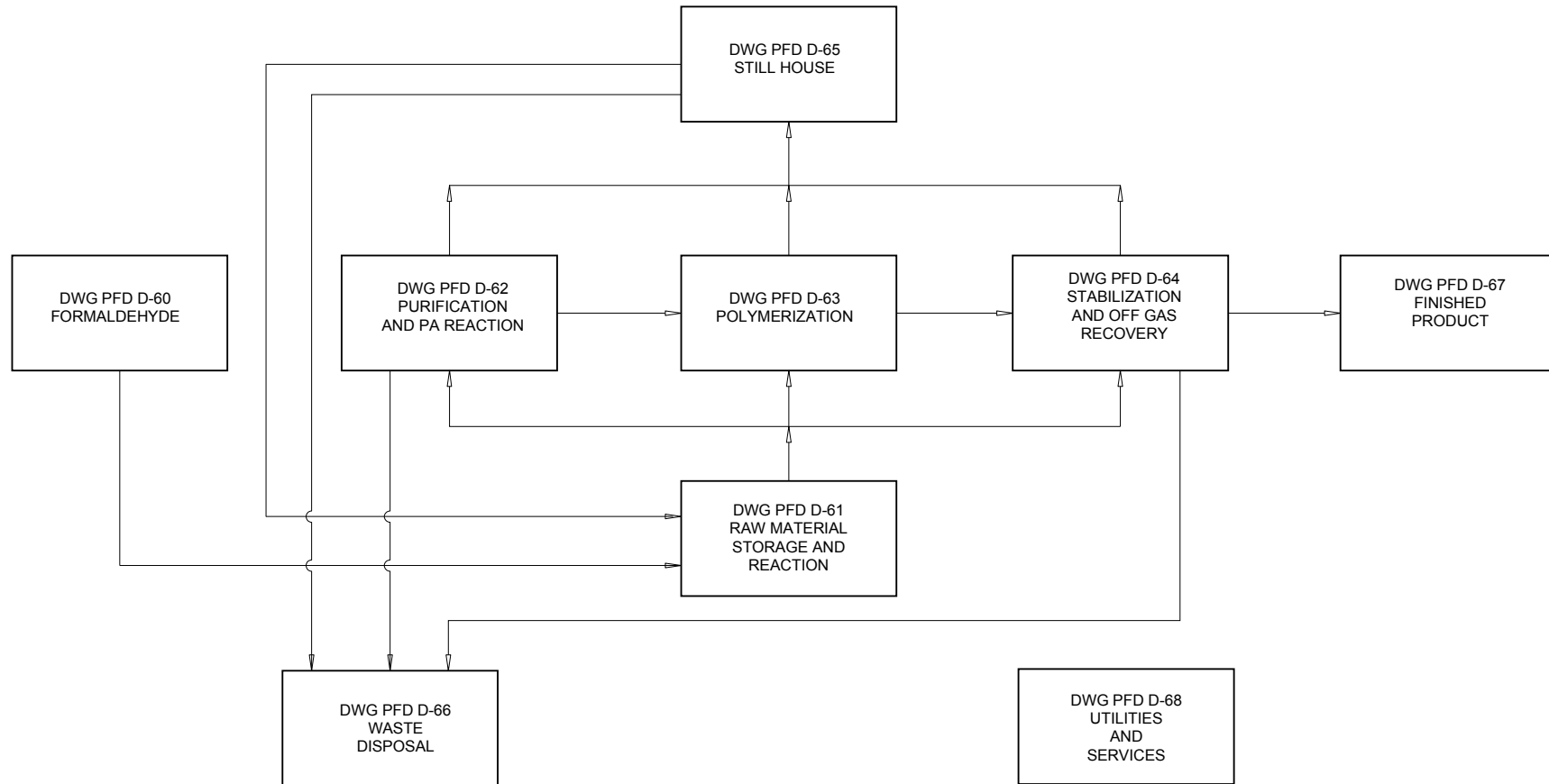






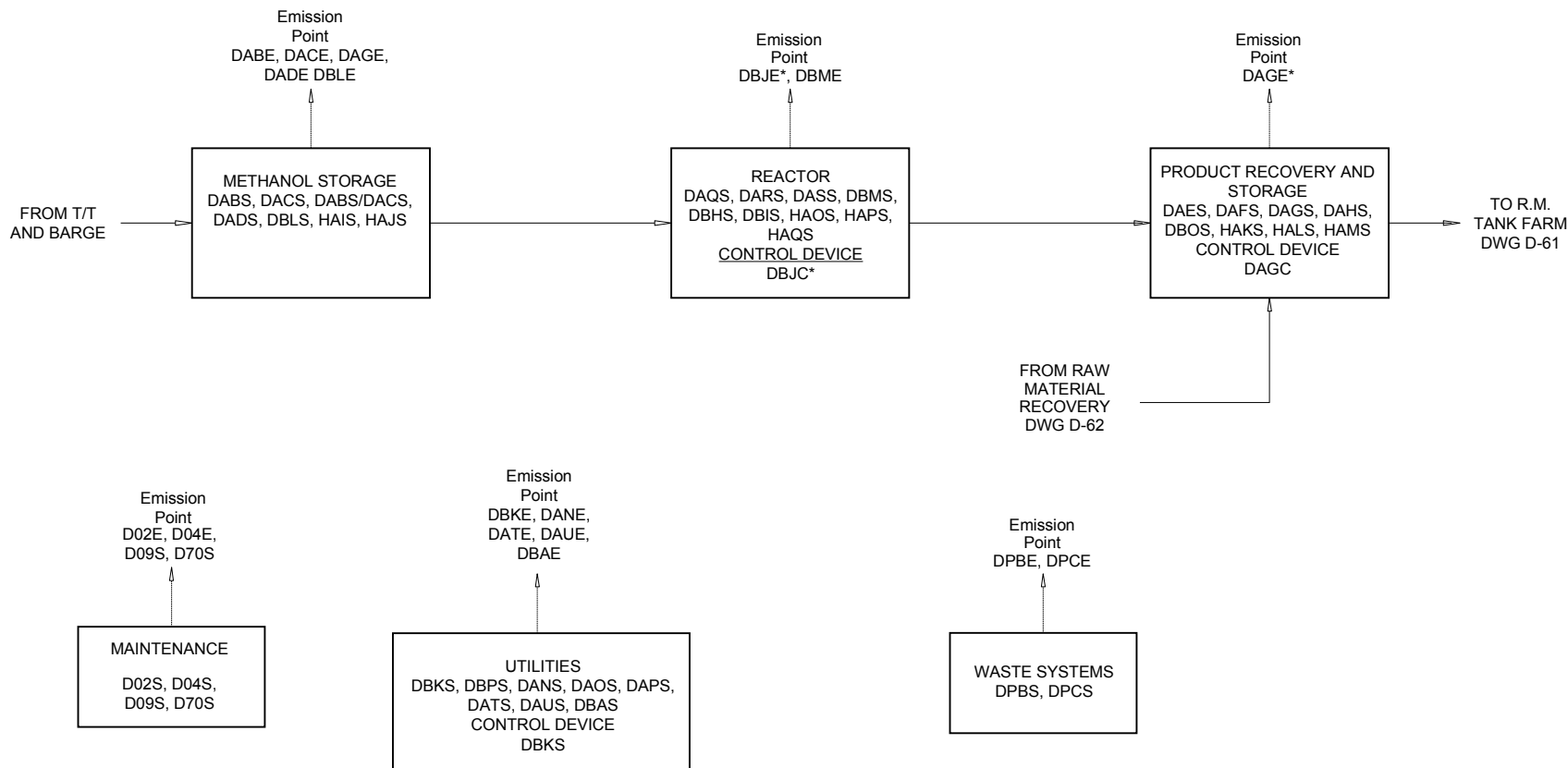
# **ATTACHMENT C**

## **Process Flow Diagrams**



PROCESS FLOW DIAGRAM			
DuPONT WASHINGTON WORKS			
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ACETAL RESINS SUMMARY OF PROCESS FLOWS			FIGURE PFD-D-70

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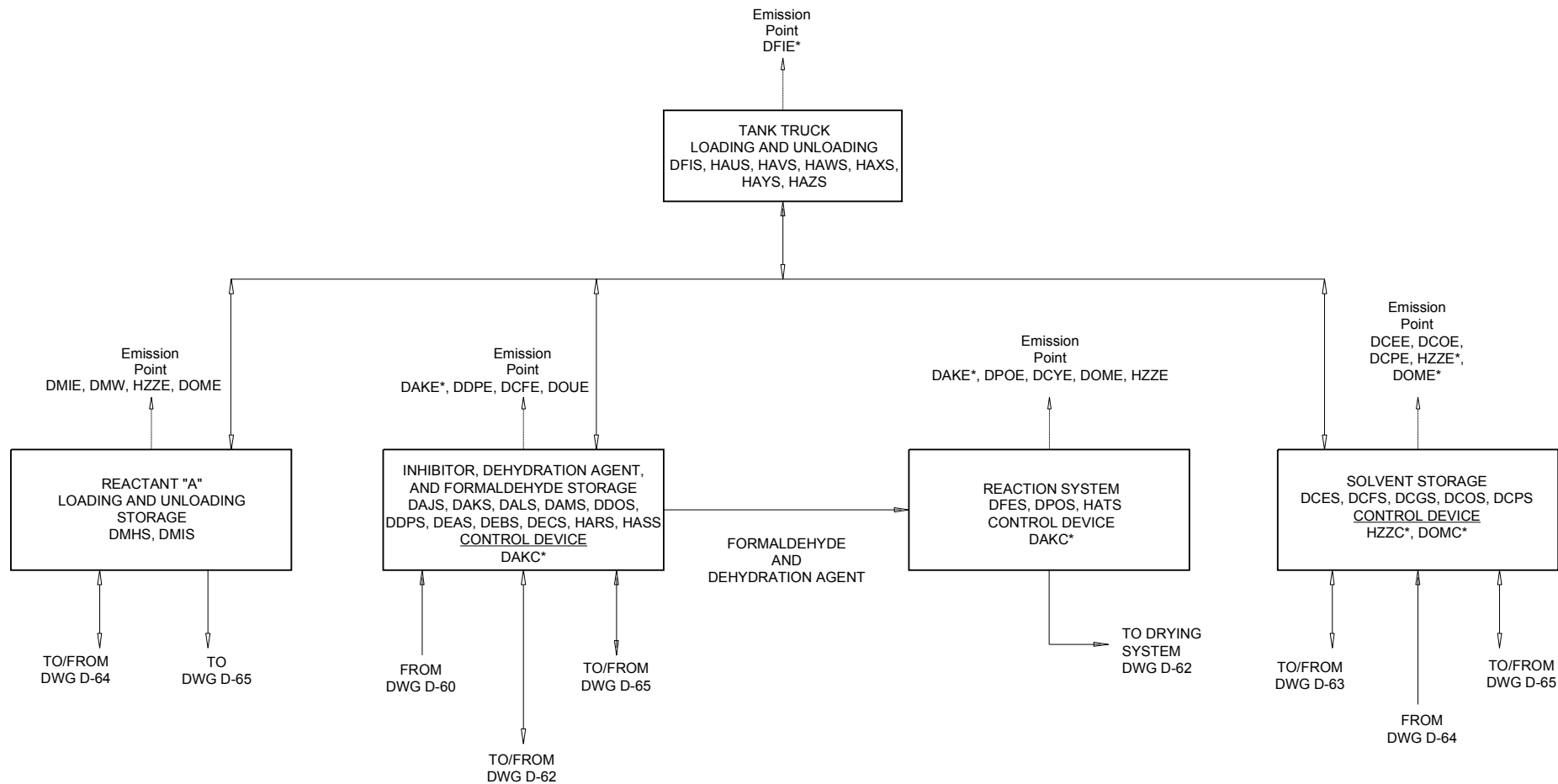
NOTES:

----- AIR EMISSIONS

----- PROCESS FLOW

\* USED BY OTHER SOURCES

PROCESS FLOW DIAGRAM			
DuPONT WASHINGTON WORKS			
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	CHECKED BY:	DATE:	FIGURE PFD-D-60
ACETAL RESINS FORMALDEHYDE			



## NOTES:

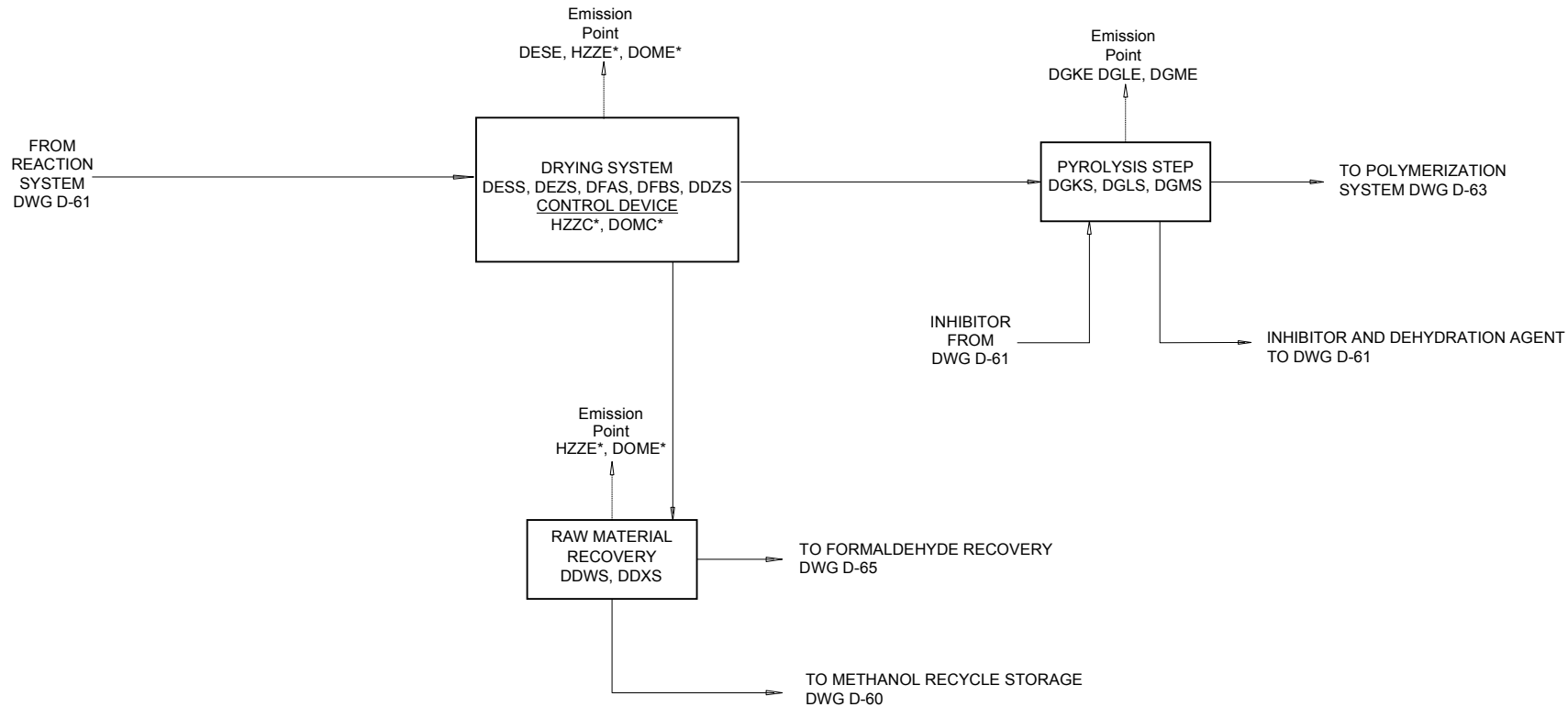
----- AIR EMISSIONS

----- PROCESS FLOW

\* USED BY OTHER SOURCES

PROCESS FLOW DIAGRAM			
DuPONT WASHINGTON WORKS			
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	CHECKED BY:	DATE:	
ACETAL RESINS RAW MATERIAL STORAGE AND REACTION			FIGURE: PFD-D-61





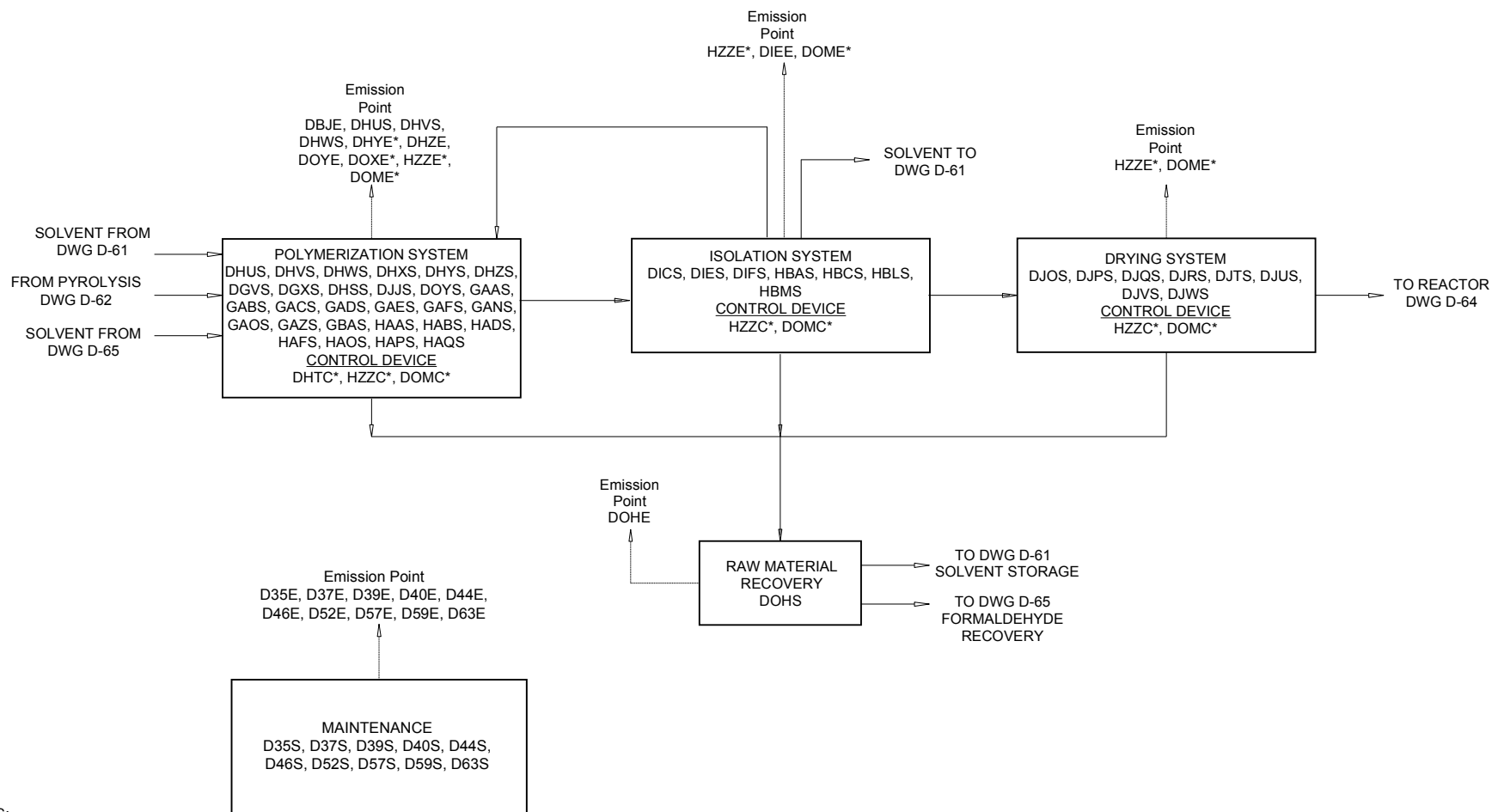
## NOTES:

----- AIR EMISSIONS

----- PROCESS FLOW

\* USED BY OTHER SOURCES

PROCESS FLOW DIAGRAM				
DuPONT WASHINGTON WORKS				
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	CHECKED BY:	DATE:	FIGURE PFD-D-62	
ACETAL RESINS RAW MATERIAL PURIFICATION AND PA REACTION				



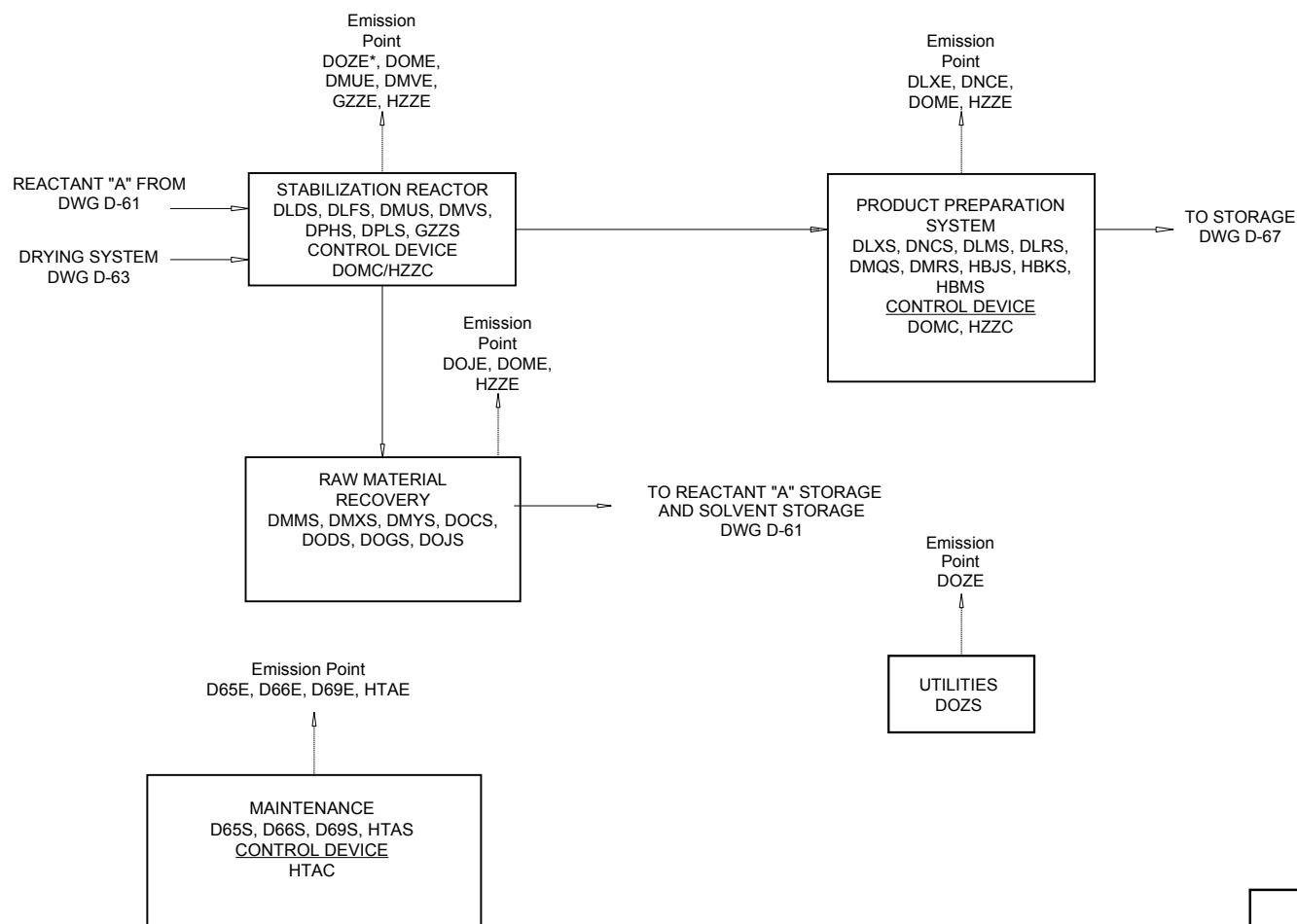
## NOTES:

..... AIR EMISSIONS

———— PROCESS FLOW

\* USED BY OTHER SOURCES

PROCESS FLOW DIAGRAM			
DuPONT WASHINGTON WORKS			
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	CHECKED BY:	DATE:	FIGURE PFD-D-63
ACETAL RESINS POLYMERIZATION			



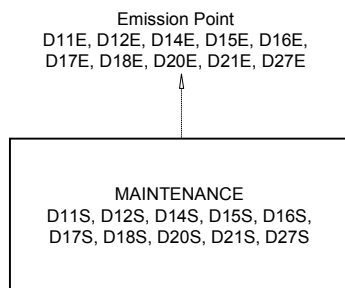
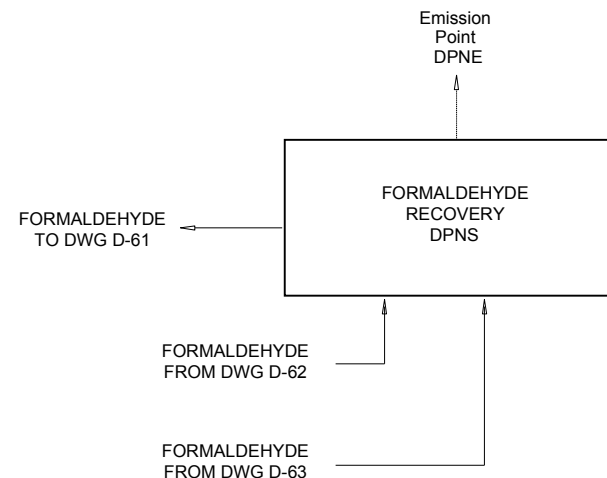
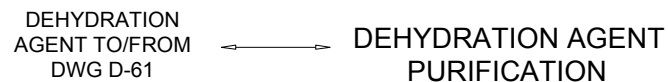
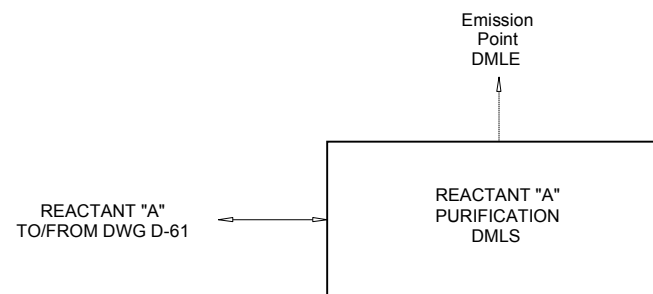
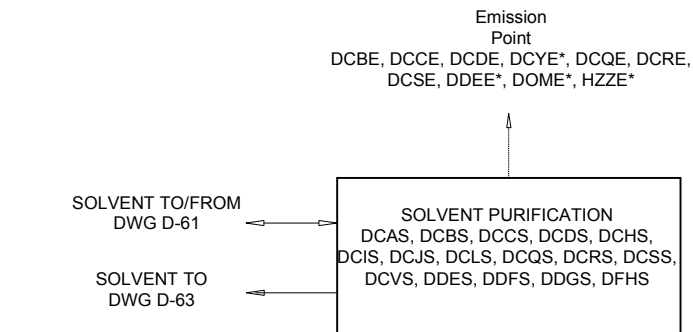
NOTES:

----- AIR EMISSIONS

----- PROCESS FLOW

\* USED BY OTHER SOURCES

PROCESS FLOW DIAGRAM			
DuPONT WASHINGTON WORKS			
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	CHECKED BY:	DATE:	
ACETAL RESINS STABILIZATION AND OFF GAS RECOVERY			FIGURE PFD-D-64



NOTES:

----- AIR EMISSIONS

----- PROCESS FLOW

\* USED BY OTHER SOURCES

PROCESS FLOW DIAGRAM			
DuPONT WASHINGTON WORKS			
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	CHECKED BY: _____	DATE: _____	
ACETAL RESINS STILL HOUSE			FIGURE PFD-D-65

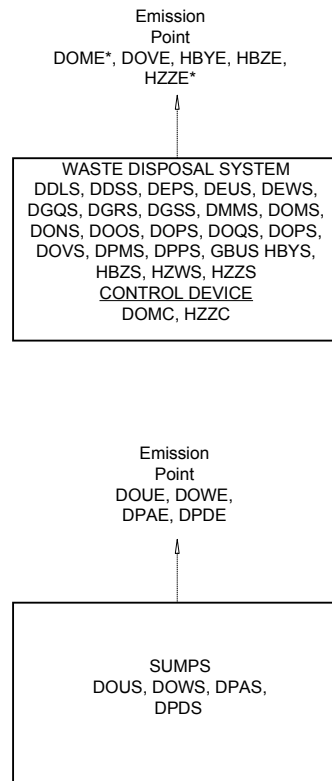
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NOTES:

..... AIR EMISSIONS

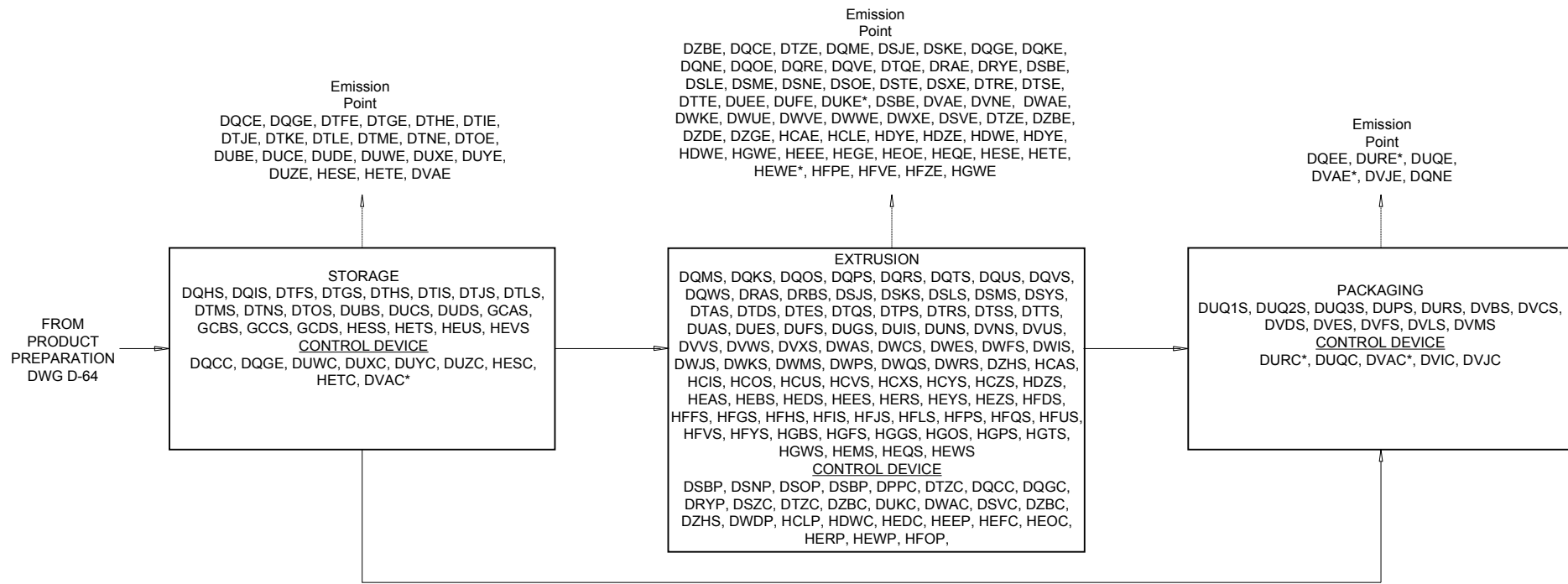
——— PROCESS FLOW

\* USED BY OTHER SOURCES



PROCESS FLOW DIAGRAM			
DuPONT WASHINGTON WORKS			
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	CHECKED BY:	DATE:	FIGURE
ACETAL RESINS WASTE DISPOSAL			PFD-D-66

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NOTES:

----- AIR EMISSIONS

----- PROCESS FLOW

\* USED BY OTHER SOURCES

PROCESS FLOW DIAGRAM			
DuPONT WASHINGTON WORKS			
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FINISHED PRODUCT			PFD-D-67

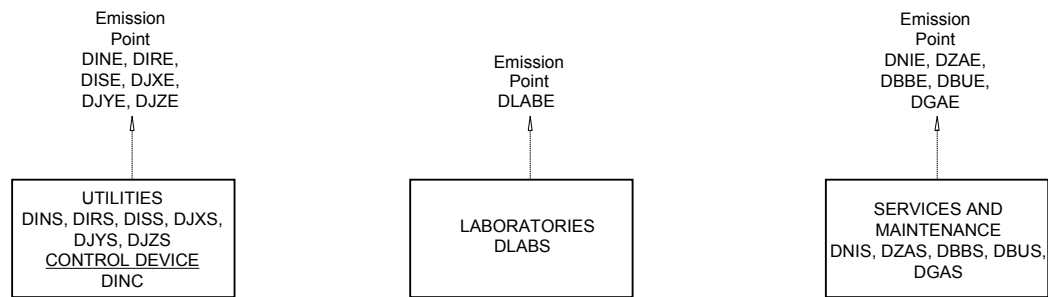
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NOTES:

----- AIR EMISSIONS

----- PROCESS FLOW

\* USED BY OTHER SOURCES



PROCESS FLOW DIAGRAM			
DuPONT WASHINGTON WORKS			
SCALE:	MADE BY:	DATE:	FILE NO:
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UTILITIES AND SERVICES			FIGURE PFD-D-68

# **ATTACHMENT D**

## **Equipment Table**



## ATTACHMENT D - Emission Units Table

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

Formaldehyde Unit					
Emission Unit ID1	Emission Point ID1	Emission Unit Description	Year Installed/Modified	Design Capacity	Control Device1
D02S	D02E	"B" Formaldehyde Day Tank RV Change	1988	Conf.	
D04S	D04E	Dilute Formaldehyde Storage RV Change	1988	Conf.	
D09S	D09E	Dowtherm Storage Tank RV Change	1988	Conf.	
D70S	D70E	"A" Formaldehyde Day Tank RV Change	1988	Conf.	
DABC	DABE	"A" Methanol Storage Tank	1988	Conf.	DABC
DABS/DACS	DAGE	Methanol Tank Truck Unloading for DAB and DAC	1990	Conf.	DAGC
DACS	DACE	"B" Methanol Storage Tank	1988	Conf.	DACC
DADS	DADE	Methanol Feed Filters	1988	Conf.	
DAES	DAGE	"A" Formaldehyde Tank	1988	Conf.	DAGC
DAFS	DAGE	"B" Formaldehyde Day Tank	1988	Conf.	DAGC
DAHS	DAGE	Dilute Formaldehyde Storage Tank	1988	Conf.	DAGC
DANS	DANE	Formaldehyde Plant Cooling Tower	1988	Conf.	DANC
DAOS	DANE	Heat Exchanger for Formaldehyde Cooling in Product Recovery	1988	Conf.	
DAPS	DAPE	Cooling Tower Sulfuric Acid Storage Tank	2001	Conf.	
DAQS	DBJE	Formaldehyde Reactor Train #1	1988	Conf.	DBJC
DARS	DBJE	Formaldehyde Reactor Train #2	1988	Conf.	DBJC
DASS	DBJE	Formaldehyde Reactor Train #3	1988	Conf.	DBJC
DATS	DATE	Cooling Tower Bleach Storage Tank	2001	Conf.	
DAUS	DAUE	Cooling Tower Scale Inhibitor Tank	1988	Conf.	
DBAS	DBAE	Boiler Water Treatment Additive Storage Tank	1988	Conf.	
DBHS	DBJE	T-2 AND T-1 Absorber Product Recovery	1988	Conf.	DBJC
DBIS	DBJE	T-1 Packed Bed Absorber	1988	Conf.	DBJC
DBKS	DBKE	Dowtherm Storage Tank	1988	Conf.	DBKC
DBLS	DBLE	Recycle Methanol Tank	1988	Conf.	
DBMS	DBME	Oxygen Analyzer	1988	Conf.	
DBOS	DAGE	Formaldehyde Tank Truck Unloading	2002	Conf.	DAGC
DBPS	DBKE	Dowtherm Tank Truck Unloading	1988	Conf.	
DPBS	DPBE	Formaldehyde Plant Process Sump	1988	Conf.	
DPCS	DPCE	Formaldehyde Tank Farm Sump	1988	Conf.	
HAIS	DABE	"A" Methanol Tank Clean Out and Inspection	1988	Conf.	
HAJS	DACE	"B" Methanol Tank Clean Out and Inspection	1988	Conf.	

<b>Formaldehyde Unit</b>					
Emission Unit ID1	Emission Point ID1	Emission Unit Description	Year Installed/Modified	Design Capacity	Control Device1
HAKS	DAGE	"A" Formaldehyde Day Tank Clean Out and Inspection	1988	Conf.	DAGC
HALS	DAGE	"B" Formaldehyde Day Tank Clean Out and Inspection	1988	Conf.	
HAMS	DAGE	"F" Formaldehyde Day Tank Clean Out and Inspection	1988	Conf.	
HAOS	DBJE	#1 Reactor GC Analyzer	1988	Conf.	DBJC
HAPS	DBJE	#2 Reactor GC Analyzer	1988	Conf.	DBJC
HAQS	DBJE	#3 Reactor GC Analyzer	1988	Conf.	DBJC
HTAS	HTAE	Reactor Catalyst Change Out	1997	Conf.	HTAC

## ATTACHMENT D - Emission Units Table

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

Polymerization Unit					
Emission Unit ID1	Emission Point ID1	Emission Unit Description	Year Installed/Modified	Design Capacity	Control Device1
D11S	D11E	Solvent Column Upper Layer Tank RV Change Out	1959		
D12S	D12E	Solvent Column Decanter RV Change Out	1959		
D14S	D14E	Recycle Solvent Storage Tank RV Change Out	1965		
D15S	D15E	Solvent Storage Tank RV Change Out	1965		
D16S	D16E	Silica Gel Bed "A" RV Change Out	1959		
D17S	D17E	Silica Gel Bed "B" RV Change Out	1959		
D18S	D18E	Silica Gel Bed "C" RV Change Out	1959		
D20S	D20E	Solvent Column Decanter RV Change Out	1959		
D21S	D21E	Solvent Column Upper Layer Tank RV Change Out	1959		
D27S	D27E	LBC Column Distillate Receiver RV Changeout	1963		
D35S	D35E	#1 Slurry Feed Tank RV Changeout	1959		
D37S	D37E	#1 Centrifuge RV Changeout	1959		
D39S	D39E	#1 Centrifuge Receiver Tank RV Change Out	1959		
D40S	D40E	#2 Centrifuge Receiver Tank RV Change Out	1959		
D44S	D44E	#1 Dryer Decanter Upper Layer Tank RV Change Out	1959		
D46S	D46E	#2 Dryer Decanter Upper Layer Tank RV Change Out	1959		
D52S	D52E	VRS Steam Stripper Distillate Tank RV Change Out	1959		
D57S	D57E	"A" RP Silo RV Change Out	1959		
D59S	D59E	"C" RP Silo RV Change Out	1959		
D63S	D63E	#2 Centrifuge RV Change Out	1959		
D65S	D65E	#1 Capper RV Change Out	1959		
D66S	D66E	#2 Capper RV Change Out	1981		
D69S	D69E	Catalyst Mix Tank RV Change Out	1959		
DALS	DOME/HZZE	"E" Formaldehyde Tank	1980	Confidential	DOMC/HZZC
DCAS	DOME/HZZE	Column Decanter Tank	1959	Confidential	DOMC/HZZC
DCBS	DCBE	Recycle Solvent Decant Filter		Confidential	
DCCS	DCCE	Recycle Solvent Decant Filter		Confidential	
DCDS	DCDE	Recycle Solvent Decant Filter		Confidential	
DCES	DCEE	Solvent Decanter Lower Layer Tank	1959	Confidential	
DCFS	DOME/HZZE	Recycle Solvent Tank	1965	Confidential	DOMC/HZZC
DCGS	DOME/HZZE	Solvent Storage Tank	1965	Confidential	DOMC/HZZC
DCHS	DCYE	A Silica Gel Bed Regeneration	1959	Confidential	DCMC

DCIS	DCYE	B Silica Gel Bed Regeneration	1959	Confidential	DCMC
DCJS	DCYE	C Silica Gel Bed Regeneration	1959	Confidential	DCMC
DCLS	DCYE	Distillation Column	1959	Confidential	
DCOS	DCOE	South Solvent Tails Filter	1959	Confidential	
DCPS	DCPE	North Solvent Tails Filter	1959	Confidential	
DCQS	DCQE	Solvent Regeneration Column Calandria Filter	1959	Confidential	
DCRS	DCRE	North Solvent Regeneration Feed Filter	1959	Confidential	
DCSS	DCSE	South Solvent Regeneration Feed Filter	1959	Confidential	
DCVS	DCYE	Silica Gel Bed Regeneration Condenser	1959	Confidential	
DDES	DDEE	Silica Gel Regeneratl Receiving Tank	1959	Confidential	
DDFS	DCYE	Column Decanter Tank	1959	Confidential	
DDGS	DCYE	Distillation Upper Layer Tank	1959	Confidential	
DDJS	DOME/HZZE	Purge Tank	1959	Confidential	DOMC/HZZC
DDLJS	DOME/HZZE	HBR Distillation Column	1988	Confidential	DOMC/HZZC
DDOS	DOME	Recycle Alcohol Tank	1969	Confidential	DOMC/HZZC
DDPS	DDPE	Alcohol Storage Tank	1965	Confidential	
DDSS	DOME/HZZE	LBR Column	1983	Confidential	DOMC/HZZC
DDWS	DOME/HZZE	Low Boiler Column Feed Tank	1959	Confidential	DOMC/HZZC
DDXS	DOME/HZZE	Alcohol Decanter	1959	Confidential	DOMC/HZZC
DDZS	DOME/HZZE	LBR Column Distillate Receiver	1983	Confidential	DOMC/HZZC
DEAS	DOME/HZZE	Pyro Feed Tank	1958	Confidential	DOMC/HZZC
DEBS	DOME/HZZE	Dehy Feed Tank	1958	Confidential	DOMC/HZZC
DECS	DOME/HZZE	Acid Storage Tank	1959	Confidential	DOMC/HZZC
DEPS	DOME/HZZE	LPD Column	1988	Confidential	DOMC/HZZC
DENG-603	DENG-603E	Emergency Diesel Engine (8hp)	1997	Confidential	
DESS	DESE	Dehydrator Feed Filter		Confidential	
DEUS	DOME/HZZE	HPD Column	1988	Confidential	DOMC/HZZC
DEWS	DOME/HZZE	Reagent Recovery Column and Condenser	1983	Confidential	DOMC/HZZC
DEZS	DOME/HZZE	Concentrator Hold Up Tank	1984	Confidential	DOMC/HZZC
DFAS	DOME/HZZE	Concentrator Distillate Receiver	1959	Confidential	DOMC/HZZC
DFBS	DOME/HZZE	Neutralization/Concentrator Feed Tank	1984	Confidential	DOMC/HZZC
DFES	DOME/HZZE	Extraction Column		Confidential	DOMC/HZZC
DFHS	DDEE	Solvent Column Water Analyzer	1959	Confidential	
DFIS	DFIE	Weak Formaldehyde Tank Truck Loading	1965	Confidential	
DGKS	DGKE	#1 PC Lump Pot	1959	Confidential	
DGLS	DGLE	#2 PC Lump Pot	1959	Confidential	
DGMS	DGME	#3 PC Lump Pot	1959	Confidential	
DGQS	DOME/HZZE	#1 P/PC System	1990	Confidential	DOMC/HZZC
DGRS	DOME/HZZE	#2 P/PC System	1990	Confidential	DOMC/HZZC
DGSS	DOME/HZZE	#3 P/PC System	1990	Confidential	DOMC/HZZC
DGVS	DOME/HZZE	PC Steamout Condenser	1983	Confidential	DOMC/HZZC
DGXS	DOME/HZZE	Monomer Absorber	1983	Confidential	DOMC/HZZC

DHSS	DOME/HZZE	Poly Steamout Decanter Tank	1959	Confidential	DOMC/HZZC
DHUS	DHUE	Reactor Sampling	1959	Confidential	
DHVS	DHVE	Reactor Sampling	1959	Confidential	
DHWS	DHWE	Reactor Sampling	1959	Confidential	
DHXS	DHZE	Catalyst Hold-Up Tank	1959	Confidential	
DHYS	DHYE	Catalyst Storage Tank	1959	Confidential	
DHZS	DHZE	Catalyst Mix Tank	1959	Confidential	
DICS	DOME/HZZE	Slurry Feed Tank	1959	Confidential	DOMC/HZZC
DIES	DOME/HZZE	Isolation System Vent	1980	Confidential	DOMC/HZZC
DIFS	DOME/HZZE	Isolation Liquid Receiver Tank	1959	Confidential	DOMC/HZZC
DINS	DINE	Warm Brine Tank	1996	Confidential	DINC
DISS	DISE	Chilled Water Brine Tank	1959	Confidential	
DJOS	DOME/HZZE	Decanter Tank (Upper Layer)	1959	Confidential	DOMC/HZZC
DJPS	DOME/HZZE	Decanter Tank (Lower Layer)	1959	Confidential	DOMC/HZZC
DJQS	DOME/HZZE	Decanter Tank (Upper Layer)	1995	Confidential	DOMC/HZZC
DJRS	DOME/HZZE	Decanter Tank (Lower Layer)	1995	Confidential	DOMC/HZZC
DJTS	DOME/HZZE	Dryer Blower Loop	1968	Confidential	DOMC/HZZC
DJUS	DOME/HZZE	Dryer Blower Loop	1995	Confidential	DOMC/HZZC
DJVS	DOME/HZZE	Conveyor Blower	1959	Confidential	DOMC/HZZC
DJWS	DOME/HZZE	Conveyor Blower	1979	Confidential	DOMC/HZZC
DJXS	DJXE	Chilled Water Brine Truck Loading	1959	Confidential	
DJYS	DJYE	Low Temperature Brine Truck Loading	1959	Confidential	
DJZS	DJZE	Warm Brine Tank Truck Loading	1959	Confidential	
DLDS	DOZE	#1 Secondary Condenser Steamout	1989	Confidential	
DLFS	DOZE	#2 Secondary Condenser Steamout	1989	Confidential	
DLMS	DOME/HZZE	Sparger	1963	Confidential	DOMC/HZZC
DLRS	DOME/HZZE	Sparger	1963	Confidential	DOMC/HZZC
DLXS	DLXE	Sparger Lump Pot	1963	Confidential	
DMHS	DOME/HZZE	Recycle AA Storage Tank	2000	Confidential	DOMC/HZZC
DMIS	DMIE	Refined AA Tank	1958	Confidential	
DMLS	DMLE	Refiner Distillation Column	1989	Confidential	DMLC
DMMS	DOME/HZZE	Reagent Purification Column	1989	Confidential	DOMC/HZZC
DMQS	DOME/HZZE	Polymer Conveyor Vent	Mid 1980s	Confidential	DOMC/HZZC
DMRS	DOME/HZZE	Polymer Conveyor Vent	Mid 1980s	Confidential	DOMC/HZZC
DMUS	DMUE	Vaporizer Boilout	1959	Confidential	
DMVS	DMVE	Vaporizer Boilout	1959	Confidential	
DMXS	DOME/HZZE	IRS Solvent Mix Tank	1995	Confidential	DOMC/HZZC
DMYS	DOME/HZZE	IRS Divert to CFB	1995	Confidential	DOMC/HZZC
DNCS	DNCE	Sparger Lump Pot	1981	Confidential	
DOA	DOME/HZZE	VRS Oil Scrubber	2013	Confidential	DOMC/HZZC
DOCS	DOME/HZZE	VRS - Oil Scrubber Bypass	1995	Confidential	DOMC/HZZC
DODS	DOME/HZZE	VRS Bypass	1995	Confidential	DOMC/HZZC
DOGS	DOME/HZZE	VRS Steam Stripper Distillate Decanter	1972	Confidential	DOMC/HZZC
DOHS	DOHE	Oil Storage Tank	1988	Confidential	

DOJS	DOJE	Emergency Divert from Knock-Out Pot	1995		
DOMS	DOME	CFB Liquid VOCs	2001	Confidential	DOMC
DONS	DOME/HZZE	"B" Organic Waste Feed Tank	2001	Confidential	DOMC/HZZC
DOOS	DOME/HZZE	"A" Organic Waste Feed Tank	1988	Confidential	DOMC/HZZC
DOPS	DOME/HZZE	"A" Aqueous Waste Water Tank	1963	Confidential	DOMC/HZZC
DOQS	DOME/HZZE	Aqueous Wastewater Decanter	2001	Confidential	DOMC/HZZC
DOUS	DOUE	Tank Farm Sump	1959	Confidential	
DOVS	DOVE	Furnace/Flare Emergency Divert	1995		
DOWS	DOWE	Stillhouse Sump	1959	Confidential	
DOXS	DOME/HZZE	Poly Building East Sump	1959	Confidential	DOMC/HZZC
DOYS	DOYE	Poly Building West Sump	1959	Confidential	
DOZS	DOZE	B209 Sump	1959	Confidential	
DPAS	DPAE	B206 Sump	1959	Confidential	
DPHS	DOME/HZZE	Capper	1959	Confidential	DOMC/HZZC
DPLS	DOME/HZZE	Capper	1981	Confidential	DOMC/HZZC
DPMS	DOME/HZZE	TEHOF Reactor	2001	Confidential	DOMC/HZZC
DPOS	DPOE	ColumnTails Analyzer	1983	Confidential	
DPPS	DOME/HZZE	TEHOF Reactor Decanter	1981	Confidential	DOMC/HZZC
GAAS	DOME/HZZE	#1 Poly Reactor	1988	Confidential	DOMC/HZZC
GABS	DOME/HZZE	#2 Poly Reactor	1988	Confidential	DOMC/HZZC
GACS	DOME/HZZE	#3 Poly Reactor	1988	Confidential	DOMC/HZZC
GADS	DOXE	Reactor F/C Steamout	1959	Confidential	DHTC1/DHTC2
GAES	DOXE	Reactor F/C Steamout	1959	Confidential	DHTC1/DHTC2
GAFS	DOXE	Reactor F/C Steamout	1959	Confidential	DHTC1/DHTC2
GANS	DOME/HZZE	Intermediate Polymer Silo (Solvent)	1959	Confidential	DOMC/HZZC
GAOS	DOME/HZZE	Intermediate Polymer Silo (Formaldehyde)	1959	Confidential	DOMC/HZZC
GAZS	DOME/HZZE	Intermediate Polymer Silo (Solvent)	1959	Confidential	DOMC/HZZC
GBAS	DOME/HZZE	Intermediate Polymer Silo (Formaldehyde)	1995	Confidential	DOMC/HZZC
GBUS	DOME/HZZE	LBR Distillation Column	1988	Confidential	DOMC/HZZC
GZZ	DEME	Maintenance Jet	2011		DEM-OH
GZZS	GZZE	Capper Maintenance Jet	1986	Confidential	GZZC
HAAS	DOME/HZZE	Virtual Source for Condenser Mass Balance	1959	Confidential	DOMC/HZZC
HABS	DOME/HZZE	Virtual Source for Condenser Mass Balance	1981	Confidential	DOMC/HZZC
HADS	DOME/HZZE	Virtual Source for Condenser Mass Balance	1959	Confidential	DOMC/HZZC
HAFS	DOME/HZZE	Virtual Source for Condenser Mass Balance	1959	Confidential	DOMC/HZZC
HAHS	DOME/HZZE	Virtual Source for Condenser Mass Balance	1959	Confidential	DOMC/HZZC
HANS	DOME/HZZE	"E" Tank Cleanout	1980	Confidential	DOMC/HZZC
HARS	DCFE	Recycle Storage Tank Cleanout	1965	Confidential	
HASS	DOUE	Storage Tank Cleanout	1965	Confidential	
HATS	DCYE	Column and Condenser Cleanout	1959	Confidential	
HAVS	DFIE	"A" Reagent Tank Truck Loading	1965	Confidential	

HAWS	DFIE	Alcohol Tank Truck Loading	1965	Confidential	
HAXS	DFIE	Formic Acid Truck Loading	1965	Confidential	
HAYS	DFIE	Solvent Truck Loading	1965	Confidential	
HAZS	DFIE	Hemiformal Solution Tank Truck Loading	1965	Confidential	
HBAS	DOME/HZZE	Slurry Feed Tank	1959	Confidential	DOMC/HZZC
HBCS	DIEE	Isolation Change-Out Vent	1959	Confidential	
HBJS	DOME/HZZE	Sparger Condenser Wash	1959	Confidential	DOMC/HZZC
HBKS	DOME/HZZE	Sparger Condenser Wash	1959	Confidential	DOMC/HZZC
HBLS	DIEE	Isolation Change-Out Vent	1995	Confidential	
HBMS	DOME/HZZE	Isolation System Vent	1995	Confidential	DOMC/HZZC
HBYS	HBYE	CF Fuels Tank Truck Loading	1988	Confidential	
HBZS	HBZE	Tank Truck Loading from "A" Aqueous Tank	1988	Confidential	
HZWS	HZZE	John Zink Flare	1995	Confidential	HZZC

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Form D - Equipment Table**

Emission Point ID	Control Device	Emission Unit ID	Emission Unit Description	<b>CONFIDENTIAL</b> Design Capacity	Year Installed/Modif ied
DBB-E	Integral to unit	DBB-S	Maintenance Bead Blaster	CONFIDENTIAL	2000
DBU-E	None	DBU-S	Electrically Heated Burnout Oven	CONFIDENTIAL	1985
DFR-E	DFR-P/DFR-C	DFR-S	Bulk Fluff Return Conveyor	CONFIDENTIAL	approx. 1988
DGA-E	None	DGA-S	Solvent Cleaning Station	CONFIDENTIAL	2000
DLAB-E	None	DLAB-S	Delrin Lab Hoods	CONFIDENTIAL	1960's
DQC-E	DQC-C	HCR-S	Additive Preparation Equipment	CONFIDENTIAL	2007
DQC-E	DQC-C	DQH-S	#6 Ext. Fluff Bin	CONFIDENTIAL	1960
DQC-E	DQC-C	DQI-S	#3 Ext. Fluff Bin	CONFIDENTIAL	1960
DQC-E	DQC-C	DQJ-S	#4 Ext. Fluff Bin	CONFIDENTIAL	1972
DQC-E	DQC-C	DTE-S	Capped Ribbon Blender	CONFIDENTIAL	1960
DQC-E	DQC-C	DWQ-S	#4 Ext. Wax Blender	CONFIDENTIAL	1972
DQC-E	DQC-C	HCO-S	#3 Ext. Wax Blender	CONFIDENTIAL	1989
DTH-E	None	DTH-S	"A" Product Silo	CONFIDENTIAL	1960
DTI-E	None	DTI-S	"B" Product Silo	CONFIDENTIAL	1960
DTJ-E	None	DTJ-S	"C" Product Silo	CONFIDENTIAL	1960
DTK-E	None	DTK-S	"D" Product Silo	CONFIDENTIAL	1960
DTL-E	None	DTL-S	"E" Product Silo	CONFIDENTIAL	1971
DTM-E	None	DTM-S	"F" Product Silo	CONFIDENTIAL	1971
DTN-E	None	DTN-S	"G" Product Silo	CONFIDENTIAL	1976
DTO-E	None	DTO-S	"H" Product Silo	CONFIDENTIAL	1976
DOE-E	DOE-P/DOE-C	DUP-S	Misc Bulk Cube Return Conveyor	CONFIDENTIAL	1998
DUS-E	DUS1-C/DUS2-C	DUS-S	Central Vac System	CONFIDENTIAL	<1985
DQM-E	None	HFI-S	#1 Ext. Sparge Bin	CONFIDENTIAL	1997
DQN-E	None	DWB-S	#3 Ext. Sparge Bin	CONFIDENTIAL	1960
DOR-E	None	DOR-S	#3 Ext. Die Hood	CONFIDENTIAL	1970
DOV-E	None	DQV-S	#6 Ext. Die Hood	CONFIDENTIAL	2004
DRY-E	DRY-P	DVU-S	D6 Sparger Cube Feed Conveyor	CONFIDENTIAL	2004
DSN-E	DSN-P	DVV-S	D3 Sparger Cube Feed Conveyor	CONFIDENTIAL	1960
DSZ-E	DSX-P	DUA-S	#4 Ext. Conc. Transfer	CONFIDENTIAL	1972
DTF-E	DTF-P/DTF-C	DTF-S	CD Blower System	CONFIDENTIAL	1980's
DTG-E	DTG-P/DTG-C	DTG-S	GH Blower System	CONFIDENTIAL	1988
DTZ-E	DTZ-C	HCX-S	#5 Ext. Wax Blender	CONFIDENTIAL	1981
DTZ-E	DTZ-C	DQK-S	#4 Ext. Sparger Bin	CONFIDENTIAL	1972
DTZ-E	DTZ-C	DQM-S	#5 Ext. Sparge Bin	CONFIDENTIAL	1981
DTZ-E	DTZ-C	DQL-S	#5 Ext. Fluff Bin	CONFIDENTIAL	1981
DTZ-E	DTZ-C	HCZ-S	#5 Ext. Ribbon Blender	CONFIDENTIAL	1981
DTZ-E	DSB-P/DTZ-C	DVX-S	#5 Extruder	CONFIDENTIAL	1981
DTZ-E	DSO-P/DTZ-C	DVW-S	D4 Sparger Cube Feed Conveyor	CONFIDENTIAL	1972
DUB-E	None	DUB-S	"E" Fluidizing Blower Vent	CONFIDENTIAL	Early 1970's
DUC-E	None	DUC-S	"K" Fluidizing Blower Vent	CONFIDENTIAL	Early 1970's
DUD-E	None	DUD-S	"J" Fluidizing Blower Vent	CONFIDENTIAL	2007
DZB-E	DZB-C	DQU-S	#4 Ext. Cube Blender	CONFIDENTIAL	1971
DZB-E	DZB-C	DUI-S	#5 Ext. Cube Blender	CONFIDENTIAL	1981
DZB-E	DZB-C	DBC-S	Bulk Cube Silo	CONFIDENTIAL	<1988
DZB-E	DZB-C	HOP-S	Hopper Truck Unloading	CONFIDENTIAL	<1988
DUK-E	DUL-C	DTP-S	#3 Ext. Prod. Hopper	CONFIDENTIAL	1989
DUK-E	DUL-C	HFL-S	#1 Ext. Prod. Hopper	CONFIDENTIAL	1997
DUK-E	DUK-C	DUG-S	#6 Ext. Cube Blender	CONFIDENTIAL	2004
DUK-E	DUK-C	DUN-S	#4 Ext. Prod. Hopper	CONFIDENTIAL	1988
DUK-E	DUK-C	DWC-S	#5 Ext. Prod. Hopper	CONFIDENTIAL	1988



**WVDEP R30 Title V Renewal  
Form D - Equipment Table**

Emission Point ID	Control Device	Emission Unit ID	Emission Unit Description	<b>CONFIDENTIAL</b> Design Capacity	Year Installed/Modif ied
DUQ-E	DUQ-C	DUQ3-S	BF Dumping Station	CONFIDENTIAL	1998
DUQ-E	DUQ-C	DUQ1-S	BF Loading Station	CONFIDENTIAL	1970
DUQ-E	DUQ-C	DUQ2-S	BF Loading Station	CONFIDENTIAL	1970
DUR-E	DUR-P/DUR-C	DUR-S	Fluff PackOut Transfer	CONFIDENTIAL	1970
DUR-E	DUR-P/DUR-C	DUE-S	*A* PackOut Bin	CONFIDENTIAL	1961
DUR-E	DUR-P/DUR-C	DUF-S	*B* PackOut Bin	CONFIDENTIAL	1961
DUS-E	DUS1-C/DUS2-C	DRL-S	Bulk Cube Railcar Loading	CONFIDENTIAL	<1988
DUW-E	DUW-C	GCA-S	#1 BF Stor. Silo F-Vent	CONFIDENTIAL	1989
DUX-E	DUX-C	GCB-S	#2 BF Stor. Silo F-Vent	CONFIDENTIAL	1989
DUY-E	DUY-C	GCC-S	#3 BF Stor. Silo F-Vent	CONFIDENTIAL	1989
DUZ-E	DUZ-C	GCD-S	#4 BF Stor. Silo F-Vent	CONFIDENTIAL	1989
HES-E	HES-C	HES-S	#5 BF Stor. Silo F-Vent	CONFIDENTIAL	1998
HET-E	HET-C	HET-S	#6 BF Stor. Silo F-Vent	CONFIDENTIAL	1998
DVA-E	DVA-P/DVA-C	DSS-S	SS Transfer Loop	CONFIDENTIAL	1988
DVB-E	DVB-P/DVB-C	DVO-S	North Bulk Fluff Truck PackOut Station	CONFIDENTIAL	1988
DVB-E	DVB-P/DVB-C	DVP-S	South Bulk Fluff Truck PackOut Station	CONFIDENTIAL	1988
DVI-E	DVI-C	DVL-S	North Load Out Silo	CONFIDENTIAL	1989
DVJ-E	DVJ-C	DVM-S	South Load Out Silo	CONFIDENTIAL	1989
DVN-E	None	DVN-S	East D6 Sparger	CONFIDENTIAL	2004
DWA-E	DWA-P	DWA-S	Vacuum Unloading	CONFIDENTIAL	1980's
DWK-E	None	DWK-S	#4 Ext. Fines Screener	CONFIDENTIAL	1971
DWU-E	None	DSJ-S	#6 Ext. Dryer	CONFIDENTIAL	2004
DWV-E	None	DSK-S	#3 Ext. Dryer	CONFIDENTIAL	1970
DWW-E	None	DSL-S	#4 Ext. Dryer	CONFIDENTIAL	1971
DWX-E	None	DSM-S	#5 Ext. Dryer	CONFIDENTIAL	1981
DZD-E	None	DOW-S	#4 Ext. Die Hood	CONFIDENTIAL	1971
DZG-E/DZI-E	DWD-P	DWM-S	#5 Ext. Conc. Blower	CONFIDENTIAL	1981
DZG-E/DZI-E	HED-P	HEZ-S	#1 Ext. Conc. Transfer	CONFIDENTIAL	1997
DZG-E/DZI-E	HEW-P	HFX-S	#5 TPU Transfer	CONFIDENTIAL	1991
DZG-E/DZI-E	HDW-P, HDW-C	HFY-S	#1 Ext. TPU Bin/Charge Sys.	CONFIDENTIAL	1997
HCA-E	None	HCA-S	West D6 Sparger	CONFIDENTIAL	2004
HDW-E	HDW-C	HGT-S	#1 Ext. Feed Hopper	CONFIDENTIAL	1981
HDW-E	HDW-C	HEM-S	#1 Ext. Side Feeder	CONFIDENTIAL	1997
HDW-E	HDW-C	HFG-S	#1 Ext. Conc. Blender	CONFIDENTIAL	1997
HDY-E	None	HEY-S	#1 Ext. Dryer	CONFIDENTIAL	1997
HDY-E	None	HEB-S	#1 Ext. Screener	CONFIDENTIAL	1997
HEE-E	HEE-P	HFD-S	D1 Sparger Cube Feed Conveyor	CONFIDENTIAL	1997
HEG-E	HEF-C	HEE-S	#1 Snake Skin Stripper	CONFIDENTIAL	2005
HEO-E	HEO-C	HFH-S	#1 Ext. Cube Blender	CONFIDENTIAL	1997
HEQ-E	None	HFJ-S	#1 Ext. Fluff Bin	CONFIDENTIAL	1997
HFP-E	HFO-P	HFP-S	#1 Ext. Black Conc. Conveyor	CONFIDENTIAL	1997
HFV-E	None	HFV-S	#1 Ext. Die Hood	CONFIDENTIAL	1997
HRB-E	HRB-P/HRB-C	HRB-S	CRB Transfer Loop	CONFIDENTIAL	1960
HGW-E	None	DWF-S	#5 Ext. Screener	CONFIDENTIAL	1981
DOO-E	None	DOO-S	#6 Ext. Screw Conveyor	CONFIDENTIAL	2004
DOT-E	None	DOT-S	#4 Ext. Conc. Blender	CONFIDENTIAL	1988
DRA-E	None	DRA-S	#3 Ext. Screw Conv.	CONFIDENTIAL	1960
DRB-E	None	DRB-S	#4 Ext. Screw Conveyor	CONFIDENTIAL	1972
DRD-E	None	DRD-S	#5 Ext. Screw Conveyor	CONFIDENTIAL	1981
DTD-E	None	DTD-S	#3 Ext. Add. Feeder	CONFIDENTIAL	1989
DTQ-E	None	DTQ-S	#6 Ext. Melt Cut. Tank	CONFIDENTIAL	2004
DTR-E	None	DTR-S	#3 Ext. Melt Cut Tank	CONFIDENTIAL	1960
DTS-E	None	DTS-S	#4 Ext. Melt Cut. Tank	CONFIDENTIAL	1972
DTT-E	None	DTT-S	#5 Ext. Melt Cut Tank	CONFIDENTIAL	1981
DUO-E	None	DUO-S	#3 Ext. Net Wt. Hopper	CONFIDENTIAL	1989
DWG-E	None	DWG-S	#6 Ext. Screener	CONFIDENTIAL	2004

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Emission Point ID	Control Device	Emission Unit ID	Emission Unit Description	<b>CONFIDENTIAL</b> Design Capacity	Year Installed/Modif ied
DWH-E	None	DWH-S	#3 Ext. Screener	CONFIDENTIAL	1960
DWI-E	None	DWI-S	#6 Ext. Feed Hopper	CONFIDENTIAL	2004
DWJ-E	None	DWJ-S	#4 Ext. Feed Hopper	CONFIDENTIAL	1972
DWL-E	None	DWL-S	#4 Ext. Fines Drum	CONFIDENTIAL	1972
DWP-E	None	DWP-S	#5 Ext. Mix Conveyor	CONFIDENTIAL	1981
HCU-E	None	HCU-S	#5 Ext. Add. Feeder	CONFIDENTIAL	1981
HCV-E	None	HCV-S	#5 Ext. Blender Valve	CONFIDENTIAL	1981
HCY-E	None	HCY-S	#5 Ext. Wax Feeder	CONFIDENTIAL	1981
HDZ-E	None	HDZ-S	#1 Ext. Melt Cut. Tank	CONFIDENTIAL	1997
HEA-E	None	HEA-S	#1 Ext. Wax Feeder	CONFIDENTIAL	1997
HED-E	None	HED-S	#1 Ext. Screw Conveyor	CONFIDENTIAL	1997
HFQ-E	None	HFQ-S	#1 Ext. Net Wt. Hopper	CONFIDENTIAL	1997
HFW-E	None	HFW-S	#1 Ext. Screener Waste Drum	CONFIDENTIAL	1997
HGB-E	None	HGB-S	#5 Ext. Feed Hopper	CONFIDENTIAL	1981
HGD-E	None	HGD-S	#5 Ext. Longs Drum	CONFIDENTIAL	1981
HGF-E	None	HGF-S	#4 Ext. Wax Feeder	CONFIDENTIAL	1972
HGG-E	None	HGG-S	#4 Ext. Add. Feeder	CONFIDENTIAL	1972
HGK-E	None	HGK-S	#6 Ext. Screener Box	CONFIDENTIAL	2004
HGL-E	None	HGL-S	#3 Ext. Fines Box	CONFIDENTIAL	1960
HGO-E	None	HGO-S	#6 Ext. Wax Feeder	CONFIDENTIAL	2004
HGP-E	None	HGP-S	#3 Ext. Wax Feeder	CONFIDENTIAL	1989
HGW-E	None	HGW-S	#5 Die Head Vent	CONFIDENTIAL	1981

# **ATTACHMENT E**

## **Emission Unit Forms**

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  D02S	Emission unit name:  "B" Formaldehyde Day Tank RV Change	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  "B" Formaldehyde Day Tank RV Change -Vents through D02E			
Redacted Copy - Claim of Confidentiality			
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):			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.5	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.26	0.001	
Methanol	0.21	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.5	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  D04S	<b>Emission unit name:</b>  Dilute Formaldehyde Storage RV Change	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Dilute Formaldehyde Storage RV Change -Vents through D04E</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1988	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>			
<b>Maximum Hourly Throughput:</b>	<b>Maximum Annual Throughput:</b>	<b>Maximum Operating Schedule:</b>  6 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.06	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  D09S	Emission unit name:  Dowtherm Storage Tank RV Change	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Dowtherm Storage Tank RV Change - Vents through D09E			
Redacted Copy - Claim of Confidentiality			
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):			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:  6 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	1.7	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	1.7	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  D70S	Emission unit name:  "A" Formaldehyde Day Tank RV Change	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  "A" Formaldehyde Day Tank RV Change -Vents through D70E			
Redacted Copy - Claim of Confidentiality			
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):			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:  6 hr/yr	
<b><i>Fuel Usage Data</i></b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	3.4	0.02	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.59	0.002	
Methanol	0.80	0.003	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	3.4	0.02	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  DABC	Emission unit name:  "A" Methanol Storage Tank	List any control devices associated with this emission unit:  DABC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  "A" Methanol Storage Tank - Vents through DABE			
Redacted Copy - Claim of Confidentiality			
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):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.61	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Methanol	0.07	0.608	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.61	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DABS/DACS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Methanol Tank Truck Unloading for DAB and DAC</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DAGC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Methanol Tank Truck Unloading for DAB and DAC - Vents through DAGE</div>			
<b>Redacted Copy - Claim of Confidentiality</b>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1990</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="height: 40px;"></div>			
<b>Maximum Hourly Throughput:</b>  <div style="height: 40px;"></div>	<b>Maximum Annual Throughput:</b>  <div style="height: 40px;"></div>	<b>Maximum Operating Schedule:</b>  <div style="height: 40px;"></div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<b>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.).</b>			

***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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DACS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">"B" Methanol Storage Tank</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DACC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">                     "B" Methanol Storage Tank - Vents through DACE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; border: 1px solid black;">                         Redacted Copy - Claim of Confidentiality                     </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1988</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <div style="display: inline-block; margin-left: 10px;"> <input type="checkbox"/> Yes                         <input checked="" type="checkbox"/> No                     </div>		<b>If yes, is it?</b> <div style="display: inline-block; margin-left: 10px;"> <input type="checkbox"/> Direct Fired                         <input type="checkbox"/> Indirect Fired                     </div>	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.61	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Methanol	0.07	0.608	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.61	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DADS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Methanol Feed Filters</div>	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Methanol Feed Filters -Vents through DADE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;"> Redacted Copy - Claim of Confidentiality </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1988</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  			
<b>Maximum Hourly Throughput:</b>  	<b>Maximum Annual Throughput:</b>  	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.7	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Methanol	0.63	0.002	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.7	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DAES	Emission unit name:  "A" Formaldehyde Tank	List any control devices associated with this emission unit:  DAGC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  "A" Formaldehyde Tank - Vents through DAGE			
Redacted Copy - Claim of Confidentiality			
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):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	8.2	2.5	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	4.70	1.327	
Methanol	3.50	1.178	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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			
<b>Emission Unit Description</b>			
Emission unit ID number:  DAFS	Emission unit name:  "B" Formaldehyde Day Tank	List any control devices associated with this emission unit:  DAGC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  "B" Formaldehyde Day Tank -Vents through DAGE			
Redacted Copy - Claim of Confidentiality			
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):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	8.2	2.61	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	4.68	1.327	
Methanol	3.46	1.178	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DAHS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Dilute Formaldehyde Storage Tank</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DAGC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;"> Dilute Formaldehyde Storage Tank - Vents through DAGE   <div style="background-color: #cccccc; padding: 10px; text-align: center; margin: 10px auto; width: 80%;"> Redacted Copy - Claim of Confidentiality </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1988</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  	<b>Maximum Annual Throughput:</b>  	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	9.9	3.36	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	5.21	1.774	
Methanol	3.89	1.576	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	9.9	3.36	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DANS	<b>Emission unit name:</b>  Formaldehyde Plant Cooling Tower	<b>List any control devices associated with this emission unit:</b>  DANC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Formaldehyde Plant Cooling Tower -Vents through DANE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1988	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  			
<b>Maximum Hourly Throughput:</b>  	<b>Maximum Annual Throughput:</b>  	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )	0.3		
Total Particulate Matter (TSP)	0.3	0	
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Methanol	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Particulate Matter (PM10)	0.3		
Total Particulate Matter (TSP)	0.3		
Volatile Organic Compounds (VOC)	0.1	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DAOS	<b>Emission unit name:</b>  Heat Exchanger for Formaldehyde Cooling in Product Recovery	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Heat Exchanger for Formaldehyde Cooling in Product Recovery -Vents through DANE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin-left: auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1988	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>			
<b>Maximum Hourly Throughput:</b>	<b>Maximum Annual Throughput:</b>	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Methanol	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DAPS	Emission unit name:  Cooling Tower Sulfuric Acid Storage Tank	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Cooling Tower Sulfuric Acid Storage Tank - Vents through DAPE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  2001	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:  hr/yr 24	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
Maximum design heat input and/or maximum horsepower rating:  CLAIMED CONFIDENTIAL		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. 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	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DAQS	Emission unit name:  Formaldehyde Reactor Train #1	List any control devices associated with this emission unit:  DBJC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Formaldehyde Reactor Train #1 -Vents through DBJE			
Redacted Copy - Claim of Confidentiality			
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):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	917.2	4016.94	
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	8719.9	38192.78	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Benzene	0.00		
Formaldehyde	7699.28	33722.842	
Methanol	444.01	1944.759	
Toluene	0.00		
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	917.2	4016.94	
Volatile Organic Compounds (VOC)	8719.9	38192.78	
<b>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.).</b>			
Engineering Estimate			

<p><b><i>Applicable Requirements</i></b></p> <p>List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (<i>Note: Title V permit condition numbers alone are not the underlying applicable requirements</i> ). 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.</p>
<p><u>See Attached List for all Applicable Requirements.</u></p>
<p>____ Permit Shield</p>
<p>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.)</p>
<p>See WV Regulation 13 construction permit # 1596D</p>
<p>Are you in compliance with all applicable requirements for this emission unit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If no, complete the <b>Schedule of Compliance Form</b> as ATTACHMENT F.</p>



ATTACHMENT E - Emission Unit Form			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DARS	<b>Emission unit name:</b>  Formaldehyde Reactor Train #2	<b>List any control devices associated with this emission unit:</b>  DBJC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Formaldehyde Reactor Train #2 -Vents through DBJE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1988	<b>Modification date(s):</b>  6/18/1905	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DASS	<b>Emission unit name:</b>  Formaldehyde Reactor Train #3	<b>List any control devices associated with this emission unit:</b>  DBJC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Formaldehyde Reactor Train #3 -Vents through DBJE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1988	<b>Modification date(s):</b>  6/18/1905	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b> <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DATS	<b>Emission unit name:</b>  Cooling Tower Bleach Storage Tank	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Cooling Tower Bleach Storage Tank -Vents through DATE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  2001	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>	<b>Maximum Annual Throughput:</b>	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Chlorine	0.03	0.099	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DAUS	<b>Emission unit name:</b>  Cooling Tower Scale Inhibitor Tank	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Cooling Tower Scale Inhibitor Tank -Vents through DAUE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1988	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>			
<b>Maximum Hourly Throughput:</b>	<b>Maximum Annual Throughput:</b>	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DBAS	<b>Emission unit name:</b>  Boiler Water Treatment Additive Storage Tank	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Boiler Water Treatment Additive Storage Tank - Vents through DBAE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1988	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>	<b>Maximum Annual Throughput:</b>	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	zero		
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	zero		
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DBHS	<b>Emission unit name:</b>  T-2 AND T-1 Absorber Product Recovery	<b>List any control devices associated with this emission unit:</b>  DBJC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> T-2 AND T-1 Absorber Product Recovery -Vents through DBJE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1988	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>	<b>Maximum Annual Throughput:</b>	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	zero		
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	zero		
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DBIS	Emission unit name:  T-1 Packed Bed Absorber	List any control devices associated with this emission unit:  DBJC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  T-1 Packed Bed Absorber - Vents through DBJE			
Redacted Copy - Claim of Confidentiality			
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):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	zero		
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	zero		
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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			
<b>Emission Unit Description</b>			
Emission unit ID number:  DBKS	Emission unit name:  Dowtherm Storage Tank	List any control devices associated with this emission unit:  DBKC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Dowtherm Storage Tank - Vents through DBKE			
Redacted Copy - Claim of Confidentiality			
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):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.03	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DBLS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Recycle Methanol Tank</div>	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Recycle Methanol Tank - Vents through DBLE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; margin-top: 10px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1988</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  			
<b>Maximum Hourly Throughput:</b>  	<b>Maximum Annual Throughput:</b>  	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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			
<b>Emission Unit Description</b>			
Emission unit ID number:  DBMS	Emission unit name:  Oxygen Analyzer	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Oxygen Analyzer - Vents through DBME			
Redacted Copy - Claim of Confidentiality			
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):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	0.1	0.03	
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.02	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Methanol	0.01	0.003	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	0.1	0.03	
Volatile Organic Compounds (VOC)	0.1	0.02	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DBOS	<b>Emission unit name:</b>  Formaldehyde Tank Truck Unloading	<b>List any control devices associated with this emission unit:</b>  DAGC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Formaldehyde Tank Truck Unloading -Vents through DAGE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  2002	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>	<b>Maximum Annual Throughput:</b>	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	3.9	5.67	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	2.16	3.143	
Methanol	1.74	2.527	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	3.9	5.67	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DBPS	<b>Emission unit name:</b>  Dowtherm Tank Truck Unloading	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Dowtherm Tank Truck Unloading - Vents through DBKE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1988	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>			
<b>Maximum Hourly Throughput:</b>	<b>Maximum Annual Throughput:</b>	<b>Maximum Operating Schedule:</b>  24 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.3	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.3	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DPBS	<b>Emission unit name:</b>  Formaldehyde Plant Process Sump	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Formaldehyde Plant Process Sump -Vents through DPBE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1988	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b> <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>	<b>Maximum Annual Throughput:</b>	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.3	0.9	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.06	0.252	
Methanol	0.15	0.643	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.3	0.90	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DPCS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Formaldehyde Tank Farm Sump</div>	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">           Formaldehyde Tank Farm Sump - Vents through DPCE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; border: 1px solid black;">             Redacted Copy - Claim of Confidentiality           </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1988</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  	<b>Maximum Annual Throughput:</b>  	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Methanol	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  HAIS	<b>Emission unit name:</b>  "A" Methanol Tank Clean Out and Inspection	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> "A" Methanol Tank Clean Out and Inspection -Vents through DABE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1988	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  			
<b>Maximum Hourly Throughput:</b>  	<b>Maximum Annual Throughput:</b>  	<b>Maximum Operating Schedule:</b>  91 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Methanol	0.04	0.002	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  HAJS	<b>Emission unit name:</b>  "B" Methanol Tank Clean Out and Inspection	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> "B" Methanol Tank Clean Out and Inspection -Vents through DACE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1988	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>			
<b>Maximum Hourly Throughput:</b>	<b>Maximum Annual Throughput:</b>	<b>Maximum Operating Schedule:</b>  91 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Methanol	0.05	0.003	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  HAKS	Emission unit name:  "A" Formaldehyde Day Tank Clean Out and Inspection	List any control devices associated with this emission unit:  DAGC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  "A" Formaldehyde Day Tank Clean Out and Inspection - Vents through DAGE			
Redacted Copy - Claim of Confidentiality			
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):  			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:  67 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	2.3	0.08	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.65	0.022	
Methanol	1.66	0.056	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	2.3	0.08	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  HALS	Emission unit name:  "B" Formaldehyde Day Tank Clean Out and Inspection	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  "B" Formaldehyde Day Tank Clean Out and Inspection -Vents through DAGE			
Redacted Copy - Claim of Confidentiality			
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):			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:  67 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.65	0.022	
Methanol	1.66	0.056	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	2.3	0.08	
<b>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.).</b>			
Engineering Estimate			

<p><b><i>Applicable Requirements</i></b></p> <p>List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (<i>Note: Title V permit condition numbers alone are not the underlying applicable requirements</i> ). 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.</p>
<p><u>See Attached List for all Applicable Requirements.</u></p>
<p>____ Permit Shield</p>
<p>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.)</p>
<p>See WV Regulation 13 construction permit # 1596D</p>
<p>Are you in compliance with all applicable requirements for this emission unit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If no, complete the <b>Schedule of Compliance Form</b> as ATTACHMENT F.</p>

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">HAMS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">"F" Formaldehyde Day Tank Clean Out and Inspection</div>	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">           "F" Formaldehyde Day Tank Clean Out and Inspection -Vents through DAGE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; text-align: center;">             Redacted Copy - Claim of Confidentiality           </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1988</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  			
<b>Maximum Hourly Throughput:</b>  	<b>Maximum Annual Throughput:</b>  	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">67128 hr/yr</div>	
<b><i>Fuel Usage Data</i> (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	4.63	0.297	
Methanol	11.92	0.763	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	16.6	1.06	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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			
<b>Emission Unit Description</b>			
Emission unit ID number:  HAOS	Emission unit name:  #1 Reactor GC Analyzer	List any control devices associated with this emission unit:  DBJC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #1 Reactor GC Analyzer - Vents through DBJE			
Redacted Copy - Claim of Confidentiality			
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):  			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	Trace		
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	Trace		
Methanol	Trace		
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	Trace		
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  HAPS	Emission unit name:  #2 Reactor GC Analyzer	List any control devices associated with this emission unit:  DBJC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #2 Reactor GC Analyzer - Vents through DBJE			
Redacted Copy - Claim of Confidentiality			
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):  			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:  8760 hr/yr	
<b><i>Fuel Usage Data</i></b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	trace		
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	trace		
Methanol	trace		
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	trace		
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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			
<b>Emission Unit Description</b>			
Emission unit ID number:  HAQS	Emission unit name:  #3 Reactor GC Analyzer	List any control devices associated with this emission unit:  DBJC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #3 Reactor GC Analyzer - Vents through DBJE			
Redacted Copy - Claim of Confidentiality			
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):  			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	trace		
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	trace		
Methanol	trace		
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	trace		
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">HTAS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Reactor Catalyst Change Out</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">HTAC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;"> Reactor Catalyst Change Out - Vents through HTAE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; text-align: center;"> Redacted Copy - Claim of Confidentiality </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1997</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="height: 40px;"></div>			
<b>Maximum Hourly Throughput:</b>  <div style="height: 40px;"></div>	<b>Maximum Annual Throughput:</b>  <div style="height: 40px;"></div>	<b>Maximum Operating Schedule:</b>  <div style="height: 40px;"></div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b> N/A			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)	4.2	18.4	
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Total Particulate Matter (TSP)	4.2	18.40	
<b>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.).</b>			
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 Regulation 13 construction permit # 1596D

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  D11S	<b>Emission unit name:</b>  Solvent Column Upper Layer Tank RV Change Out	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;"> Solvent Column Upper Layer Tank RV Change Out -Vents through D11E   <div style="background-color: #cccccc; padding: 10px; display: inline-block;">Redacted Copy - Claim of Confidentiality</div> </div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  120 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.2	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.2	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  D12S	<b>Emission unit name:</b>  Solvent Column Decanter RV Change Out	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Solvent Column Decanter RV Change Out - Vents through D12E</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin-left: auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  120 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.3	0.02	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.3	0.02	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  D14S	Emission unit name:  Recycle Solvent Storage Tank RV Change Out	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Recycle Solvent Storage Tank RV Change Out -Vents through D14E			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1965	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  120 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	1.4	0.08	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	1.4	0.08	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  D15S	<b>Emission unit name:</b>  Solvent Storage Tank RV Change Out	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Solvent Storage Tank RV Change Out -Vents through D15E</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1965	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  120 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.6	0.04	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.6	0.04	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  D16S	Emission unit name:  Silica Gel Bed "A" RV Change Out	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Silica Gel Bed "A" RV Change Out -Vents through D16E			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  120 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  D17S	<b>Emission unit name:</b>  Silica Gel Bed "B" RV Change Out	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Silica Gel Bed "B" RV Change Out -Vents through D17E</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin-left: auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  120 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  D18S	<b>Emission unit name:</b>  Silica Gel Bed "C" RV Change Out	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;"> Silica Gel Bed "C" RV Change Out -Vents through D18E   <div style="background-color: #cccccc; padding: 10px; display: inline-block;">Redacted Copy - Claim of Confidentiality</div> </div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  120 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  D20S	<b>Emission unit name:</b>  Solvent Column Decanter RV Change Out	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Solvent Column Decanter RV Change Out - Vents through D20E</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  120 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.5	0.03	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.5	0.03	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  D21S	<b>Emission unit name:</b>  Solvent Column Upper Layer Tank RV Change Out	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;"> Solvent Column Upper Layer Tank RV Change Out -Vents through D21E   <div style="background-color: #cccccc; padding: 10px; display: inline-block;">Redacted Copy - Claim of Confidentiality</div> </div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  120 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.3	0.02	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.3	0.02	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  D27S	Emission unit name:  LBC Column Distillate Receiver RV Changeout	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  LBC Column Distillate Receiver RV Changeout -Vents through D27E			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1963	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  120 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.2	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.2	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  D35S	Emission unit name:  #1 Slurry Feed Tank RV Changeout	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #1 Slurry Feed Tank RV Changeout - Vents through D35E			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  120 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.7	0.04	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.7	0.04	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  D37S	Emission unit name:  #1 Centrifuge RV Changeout	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #1 Centrifuge RV Changeout - Vents through D37E			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  120 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.4	0.02	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.4	0.02	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  D39S	Emission unit name:  #1 Centrifuge Receiver Tank RV Change Out	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #1 Centrifuge Receiver Tank RV Change Out -Vents through D39E			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  120 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	1.1	0.07	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	1.1	0.07	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  D40S	Emission unit name:  #2 Centrifuge Receiver Tank RV Change Out	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #2 Centrifuge Receiver Tank RV Change Out -Vents through D40E			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  120 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	1.1	0.07	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	1.1	0.07	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  D44S	Emission unit name:  #1 Dryer Decanter Upper Layer Tank RV Change Out	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #1 Dryer Decanter Upper Layer Tank RV Change Out -Vents through D44E			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  120 hr/yr	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.7	0.04	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.7	0.04	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  D46S	Emission unit name:  #2 Dryer Decanter Upper Layer Tank RV Change Out	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #2 Dryer Decanter Upper Layer Tank RV Change Out -Vents through D46E			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  120 hr/yr	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.7	0.05	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.7	0.05	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">D52S</div>	<b>Emission unit name:</b>  <div style="text-align: center;">VRS Steam Stripper Distillate Tank RV Change Out</div>	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center;">VRS Steam Stripper Distillate Tank RV Change Out -Vents through D52E</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; margin-top: 10px;"> Redacted Copy - Claim of Confidentiality </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1959</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">120 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.7	0.04	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.7	0.04	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  D57S	Emission unit name:  "A" RP Silo RV Change Out	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  "A" RP Silo RV Change Out -Vents through D57E			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  120 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.0		
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  D59S	Emission unit name:  "C" RP Silo RV Change Out	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  "C" RP Silo RV Change Out -Vents through D59E			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  120 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.0		
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  D63S	Emission unit name:  #2 Centrifuge RV Change Out	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #2 Centrifuge RV Change Out - Vents through D63E			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  120 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.5	0.03	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.5	0.03	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  D65S	Emission unit name:  #1 Capper RV Change Out	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #1 Capper RV Change Out - Vents through D65E			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  120 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.8	0.05	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.8	0.05	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  D66S	Emission unit name:  #2 Capper RV Change Out	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #2 Capper RV Change Out - Vents through D66E			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1981	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  120 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.8	0.05	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.8	0.05	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">D69S</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Catalyst Mix Tank RV Change Out</div>	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Catalyst Mix Tank RV Change Out - Vents through D69E</div>			
<b>Redacted Copy - Claim of Confidentiality</b>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1959</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">120 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.2	0.02	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.2	0.02	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DALs	Emission unit name:  "E" Formaldehyde Tank	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  "E" Formaldehyde Tank - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
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):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.2	0.8	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.11	0.446	
Methanol	0.09	0.351	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.2	0.80	
<b>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.).</b>			
Engineering Estimate			

<p><b><i>Applicable Requirements</i></b></p> <p>List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (<i>Note: Title V permit condition numbers alone are not the underlying applicable requirements</i> ). 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.</p>
<p><u>See Attached List for all Applicable Requirements.</u></p>
<p>____ Permit Shield</p>
<p>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.)</p>
<p>See WV Regulation 13 construction permit # 1849G</p>
<p>Are you in compliance with all applicable requirements for this emission unit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If no, complete the <b>Schedule of Compliance Form</b> as ATTACHMENT F.</p>

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DCAS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Column Decanter Tank</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">           Column Decanter Tank - Vents through DOME/HZZE   <div style="background-color: #cccccc; padding: 10px; text-align: center; font-weight: bold;">             Redacted Copy - Claim of Confidentiality           </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1959</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Hexane	0.01	0.014	
Toluene	0.01	0.009	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	2.0	8.63	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DCBS	<b>Emission unit name:</b>  Recycle Solvent Decant Filter	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Recycle Solvent Decant Filter - Vents through DCBE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  N/A	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b> <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	9	0.27	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Hexane	0.01	0.001	
Toluene	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	9.0	0.27	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DCCS	Emission unit name:  Recycle Solvent Decant Filter	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Recycle Solvent Decant Filter - Vents through DCCE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  N/A	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	9	0.27	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Hexane	0.01	0.001	
Toluene	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	9.0	0.27	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DCDS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Recycle Solvent Decant Filter</div>	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;"> Recycle Solvent Decant Filter -Vents through DCDE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; text-align: center;"> Redacted Copy - Claim of Confidentiality </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">N/A</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	9	0.27	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Hexane	0.01	0.001	
Toluene	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	9.0	0.27	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DCES	<b>Emission unit name:</b>  Solvent Decanter Lower Layer Tank	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;"> Solvent Decanter Lower Layer Tank - Vents through DCEE <div style="background-color: #cccccc; padding: 10px; display: inline-block; margin-top: 10px;"> Redacted Copy - Claim of Confidentiality </div> </div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	1.6	6.61	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.004	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	1.6	6.61	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DCFS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Recycle Solvent Tank</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;"> Recycle Solvent Tank - Vents through DOME/HZZE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; text-align: center;"> Redacted Copy - Claim of Confidentiality </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1965</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.17	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Hexane	0.01	0.002	
Toluene	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.17	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DCGS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Solvent Storage Tank</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">           Solvent Storage Tank - Vents through DOME/HZZE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; text-align: center;">             Redacted Copy - Claim of Confidentiality           </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1965</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.06	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Hexane	0.01	0.001	
Toluene	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.06	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DCHS	<b>Emission unit name:</b>  A Silica Gel Bed Regeneration	<b>List any control devices associated with this emission unit:</b>  DCMC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> A Silica Gel Bed Regeneration -Vents through DCYE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  2100 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	215.3	226.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Toluene	0.24	0.251	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	215.3	226.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DCIS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">B Silica Gel Bed Regeneration</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DCMC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">B Silica Gel Bed Regeneration -Vents through DCYE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1959</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">2100 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	215.3	226.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Toluene	0.24	0.252	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	215.3	226.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DCJS	<b>Emission unit name:</b>  C Silica Gel Bed Regeneration	<b>List any control devices associated with this emission unit:</b>  DCMC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">C Silica Gel Bed Regeneration -Vents through DCYE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  2100 hr/yr	
<b><i>Fuel Usage Data</i> (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	215.3	226.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Toluene	0.24	0.252	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	215.3	226.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DCLS	<b>Emission unit name:</b>  Distillation Column	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> 0 - Vents through DCYE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	3.6	15.55	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.005	
Hexane	0.01	0.020	
Toluene	0.01	0.044	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	3.6	15.55	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DCOS	Emission unit name:  South Solvent Tails Filter	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  South Solvent Tails Filter -Vents through DCOE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  101 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	23.7	1.2	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Hexane	0.04	0.003	
Toluene	0.04	0.003	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	23.7	1.20	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DCPS	Emission unit name:  North Solvent Tails Filter	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  North Solvent Tails Filter - Vents through DCPE			
<b>Redacted Copy - Claim of Confidentiality</b>			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  101 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	23.7	1.2	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Hexane	0.04	0.003	
Toluene	0.04	0.003	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	23.7	1.20	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DCQS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Solvent Regeneration Column Calandria Filter</div>	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center;">Solvent Regeneration Column Calandria Filter - Vents through DCQE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; margin-top: 10px;"> Redacted Copy - Claim of Confidentiality </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1959</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">35 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	9	0.16	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Hexane	0.01	0.001	
Toluene	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	9.0	0.16	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DCRS	<b>Emission unit name:</b>  North Solvent Regeneration Feed Filter	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;"> North Solvent Regeneration Feed Filter - Vents through DCRE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; border: 1px solid black;"> Redacted Copy - Claim of Confidentiality </div> </div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  12 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	9	0.06	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Hexane	0.01	0.001	
Toluene	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	9.0	0.06	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DCSS	<b>Emission unit name:</b>  South Solvent Regeneration Feed Filter	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">South Solvent Regeneration Feed Filter - Vents through DCSE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  12 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	9	0.06	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Hexane	0.01	0.001	
Toluene	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	9.0	0.06	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DCVS	<b>Emission unit name:</b>  Silica Gel Bed Regeneration Condenser	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Silica Gel Bed Regeneration Condenser - Vents through DCYE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  2190 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	87.5	95.82	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	87.5	95.82	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DDES	<b>Emission unit name:</b>  Silica Gel Regeneratl Receiving Tank	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Silica Gel Regeneratl Receiving Tank -Vents through DDEE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b><i>Fuel Usage Data</i> (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.7	2.85	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Hexane	0.01	0.004	
Toluene	0.01	0.004	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.7	2.85	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DDFS	<b>Emission unit name:</b>  Column Decanter Tank	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Column Decanter Tank -Vents through DCYE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b> <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	6.3	27.23	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Hexane	0.01	0.032	
Toluene	0.01	0.039	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	6.3	27.23	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DDGS	<b>Emission unit name:</b>  Distillation Upper Layer Tank	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Distillation Upper Layer Tank - Vents through DCYE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	3.1	13.36	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Hexane	0.01	0.018	
Toluene	0.01	0.019	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	3.1	13.36	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DDJS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Purge Tank</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Purge Tank - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;"> Redacted Copy - Claim of Confidentiality </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1959</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b> N/A			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	3.1	13.19	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	3.1	13.19	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DDLS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">HBR Distillation Column</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">HBR Distillation Column - Vents through DOME/HZZE</div>			
<div style="background-color: #cccccc; padding: 10px; display: inline-block;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1988</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	614.6	2691.95	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	3.00	13.140	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	614.6	2691.95	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DDOS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Recycle Alcohol Tank</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Recycle Alcohol Tank -Vents through DOME</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;"> Redacted Copy - Claim of Confidentiality </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1969</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.3	0.9	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.043	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DDPS	Emission unit name:  Alcohol Storage Tank	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): <div style="text-align: center; padding: 10px;">Alcohol Storage Tank - Vents through DDPE</div>			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1965	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	3.5	0.18	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	1.93	0.101	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	3.5	0.18	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  DDSS	Emission unit name:  LBR Column	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): <div style="text-align: center; margin-top: 10px;">0 - Vents through DOME/HZZE</div>			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1983	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	65.7	287.46	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.02	0.062	
Methanol	65.60	287.328	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	65.7	287.46	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DDWS	<b>Emission unit name:</b>  Low Boiler Column Feed Tank	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Low Boiler Column Feed Tank - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.2	986.38	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	17.520	
Methanol	0.11	907.536	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.2	986.38	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DDXS	Emission unit name:  Alcohol Decanter	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Alcohol Decanter - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.2	0.56	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.017	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.2	0.56	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DDZS	<b>Emission unit name:</b>  LBR Column Distillate Receiver	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">LBR Column Distillate Receiver - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1983	<b>Modification date(s):</b>  6/5/1905	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b> <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b><i>Fuel Usage Data</i> (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	4.4	18.94	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.005	
Methanol	4.32	18.922	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	4.4	18.94	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
Emission unit ID number:  DEAS	Emission unit name:  Pyro Feed Tank	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Pyro Feed Tank - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1958	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.37	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
Emission unit ID number:  DEBS	Emission unit name:  Dehy Feed Tank	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Dehy Feed Tank - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1958	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.36	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.06	0.248	
Methanol	0.03	0.109	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.36	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  DECS	Emission unit name:  Acid Storage Tank	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Acid Storage Tank - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	9.9	42.96	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DEPS	Emission unit name:  LPD Column	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  LPD Column -Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
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):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	25.9	113.18	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.36	1.577	
Hexane	0.01	0.001	
Methanol	25.40	111.252	
Toluene	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	25.9	113.18	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DESS	Emission unit name:  Dehydrator Feed Filter	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): <div style="text-align: center; padding: 10px;">Dehydrator Feed Filter - Vents through DESE</div>			
<b>Redacted Copy - Claim of Confidentiality</b>			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  N/A	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  30 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.2	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.03	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.2	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
Emission unit ID number:  DEUS	Emission unit name:  HPD Column	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  HPD Column -Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
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):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	9.6	42.05	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.95	4.161	
Hexane	0.01	0.001	
Methanol	0.34	1.490	
Toluene	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	9.6	42.05	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DEWS	<b>Emission unit name:</b>  Reagent Recovery Column and Condenser	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;"> Reagent Recovery Column and Condenser -Vents through DOME/HZZE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; border: 1px solid black;"> Redacted Copy - Claim of Confidentiality </div> </div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1983	<b>Modification date(s):</b>  6/5/1905	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.6	2.33	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.17	0.745	
Hexane	0.01	0.001	
Methanol	0.05	0.219	
Toluene	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.6	2.33	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DEZS	<b>Emission unit name:</b>  Concentrator Hold Up Tank	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Concentrator Hold Up Tank -Vents through DOME/HZZE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1984	<b>Modification date(s):</b>  6/6/1905	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.4	1.58	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.03	0.132	
Methanol	0.07	0.307	
Toluene	0.01	0.002	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.4	1.58	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DFAS	Emission unit name:  Concentrator Distillate Receiver	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Concentrator Distillate Receiver - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  Continuous 8760	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
Maximum design heat input and/or maximum horsepower rating:  CLAIMED CONFIDENTIAL		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. 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	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.4	1.45	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.25	1.095	
Hexane	0.01	0.001	
Methanol	0.06	0.263	
Toluene	0.01	0.002	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.4	1.45	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DFBS	Emission unit name:  Neutralization/Concentrator Feed Tank	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Neutralization/Concentrator Feed Tank - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1984	Modification date(s):  6/6/1905	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.6	2.5	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.10	0.438	
Methanol	0.11	0.482	
Toluene	0.01	0.005	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.6	2.50	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DFES</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Extraction Column</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Extraction Column - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; margin-top: 10px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">N/A</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	1.2	4.87	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.58	2.541	
Methanol	0.10	0.438	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	1.2	4.87	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DFHS	<b>Emission unit name:</b>  Solvent Column Water Analyzer	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Solvent Column Water Analyzer -Vents through DDEE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b> <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Hexane	0.01	0.001	
Toluene	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DFIS	<b>Emission unit name:</b>  Weak Formaldehyde Tank Truck Loading	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Weak Formaldehyde Tank Truck Loading - Vents through DFIE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin-left: auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1965	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  10.5 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	2.3	0.02	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.20	0.002	
Methanol	1.80	0.010	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	2.3	0.02	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DGKS	Emission unit name:  #1 PC Lump Pot	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #1 PC Lump Pot - Vents through DGKE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  251 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.7	0.09	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.60	0.075	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.7	0.09	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DGLS	Emission unit name:  #2 PC Lump Pot	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #2 PC Lump Pot - Vents through DGLE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  251 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.7	0.09	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.60	0.075	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.7	0.09	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DGMS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">#3 PC Lump Pot</div>	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">#3 PC Lump Pot - Vents through DGME</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1959</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">251 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.7	0.09	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.60	0.076	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.7	0.09	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
Emission unit ID number:  DGQS	Emission unit name:  #1 P/PC System	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #1 P/PC System - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1990	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	10338.6	45283.07	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	9682.60	42409.788	
Hexane	0.01	0.014	
Methanol	0.78	3.417	
Toluene	0.48	2.103	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	10338.6	45283.07	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
Emission unit ID number:  DGRS	Emission unit name:  #2 P/PC System	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #2 P/PC System - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1990	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	10338.6	45283.07	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	9682.60	42409.788	
Hexane	0.01	0.014	
Methanol	0.78	3.417	
Toluene	0.01	0.002	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	10338.6	45283.07	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DGSS	Emission unit name:  #3 P/PC System	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #3 P/PC System - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1990	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	10338.6	45283.07	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	9682.60	42409.788	
Hexane	0.01	0.014	
Methanol	0.78	3.417	
Toluene	0.48	2.103	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	10338.6	45283.07	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DGVS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">PC Steamout Condenser</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">PC Steamout Condenser - Vents through DOME/HZZE</div>			
<b>Redacted Copy - Claim of Confidentiality</b>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1983</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	396.2	1735.36	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	222.70	975.426	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	396.2	1735.36	
<b>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.).</b>			
Engineering Estimate			

<p><b><i>Applicable Requirements</i></b></p> <p>List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (<i>Note: Title V permit condition numbers alone are not the underlying applicable requirements</i> ). 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.</p>
<p><u>See Attached List for all Applicable Requirements.</u></p>
<p>____ Permit Shield</p>
<p>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.)</p>
<p>See WV Regulation 13 construction permit # 1849G</p>
<p>Are you in compliance with all applicable requirements for this emission unit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If no, complete the <b>Schedule of Compliance Form</b> as ATTACHMENT F.</p>

ATTACHMENT E - Emission Unit Form			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DGXS	<b>Emission unit name:</b>  Monomer Absorber	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center;">Monomer Absorber - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1983	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	817	3578.46	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	3.80	16.644	
Hexane	0.21	0.920	
Methanol	3.40	14.892	
Toluene	16.50	72.270	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	817.0	3578.46	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DHSS	<b>Emission unit name:</b>  Poly Steamout Decanter Tank	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Poly Steamout Decanter Tank - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin-left: auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	2.9	12.58	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Hexane	0.01	0.018	
Toluene	0.01	0.018	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	2.9	12.58	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DHUS	<b>Emission unit name:</b>  Reactor Sampling	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Reactor Sampling - Vents through DHUE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  4380 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	3.7	8.11	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.03	0.066	
Hexane	0.01	0.005	
Toluene	0.67	1.468	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	3.7	8.11	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
Emission unit ID number:  DHVS	Emission unit name:  Reactor Sampling	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Reactor Sampling - Vents through DHVE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  4380 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	3.7	8.11	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.03	0.066	
Hexane	0.01	0.005	
Toluene	0.67	1.468	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	3.7	8.11	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DHWS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Reactor Sampling</div>	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Reactor Sampling - Vents through DHWE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1959</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">4380 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	3.7	8.11	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Ethylene Glycol	0.03	0.066	
Formaldehyde	0.01	0.005	
Toluene	0.67	1.468	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	3.7	8.11	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DHXS	<b>Emission unit name:</b>  Catalyst Hold-Up Tank	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Catalyst Hold-Up Tank - Vents through DHZE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	1.8	7.6	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Hexane	0.17	0.719	
Methanol	0.01	0.002	
Toluene	0.11	0.476	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	1.8	7.60	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DHYS	<b>Emission unit name:</b>  Catalyst Storage Tank	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Catalyst Storage Tank - Vents through DHYE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  4380 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	2.2	4.65	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Hexane	1.28	2.784	
Methanol	0.30	0.638	
Toluene	0.56	1.227	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	2.2	4.65	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DHZS	<b>Emission unit name:</b>  Catalyst Mix Tank	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Catalyst Mix Tank - Vents through DHZE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	1.7	7.27	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Hexane	0.16	0.688	
Methanol	0.01	0.002	
Toluene	0.11	0.455	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	1.7	7.27	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  DICS	Emission unit name:  Slurry Feed Tank	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Slurry Feed Tank - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	30.5	133.24	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.14	0.614	
Hexane	0.18	0.789	
Toluene	0.02	0.088	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	30.5	133.24	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DIES</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Isolation System Vent</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Isolation System Vent - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1980</div>	<b>Modification date(s):</b>  <div style="text-align: center;">6/2/1905</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	238.4	1044.2	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	1.05	4.599	
Hexane	1.40	6.132	
Toluene	0.17	0.745	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	238.4	1044.20	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DIFS	<b>Emission unit name:</b>  Isolation Liquid Receiver Tank	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Isolation Liquid Receiver Tank -Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin-left: auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b><i>Fuel Usage Data</i> (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	22.2	97.24	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.004	
Hexane	0.01	0.044	
Toluene	0.02	0.088	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	22.2	97.24	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  DINS	Emission unit name:  Warm Brine Tank	List any control devices associated with this emission unit:  DINC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Warm Brine Tank - Vents through DINE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1996	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	5.5	1.76	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Methanol	5.50	1.752	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	5.5	1.76	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DISS	<b>Emission unit name:</b>  Chilled Water Brine Tank	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Chilled Water Brine Tank - Vents through DISE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.6	2.55	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Methanol	0.58	2.541	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.6	2.55	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DJOS	<b>Emission unit name:</b>  Decanter Tank (Upper Layer)	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Decanter Tank (Upper Layer) - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b> <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	5.6	24.53	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.005	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	5.6	24.53	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DJPS	<b>Emission unit name:</b>  Decanter Tank (Lower Layer)	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Decanter Tank (Lower Layer) - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b> <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DJQS	<b>Emission unit name:</b>  Decanter Tank (Upper Layer)	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Decanter Tank (Upper Layer) - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1995	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	5.6	24.53	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Hexane	0.01	0.044	
Toluene	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	5.6	24.53	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DJRS	<b>Emission unit name:</b>  Decanter Tank (Lower Layer)	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Decanter Tank (Lower Layer) - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1995	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b> <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.05	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.005	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.05	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DJTS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Dryer Blower Loop</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">           Dryer Blower Loop - Vents through DOME/HZZE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; border: 1px solid black;">             Redacted Copy - Claim of Confidentiality           </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1968</div>	<b>Modification date(s):</b>  <div style="text-align: center;">5/21/1905</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	2974.5	13028.31	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	109.50	479.610	
Hexane	1.43	6.264	
Toluene	7.16	31.361	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	2974.5	13028.31	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DJUS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Dryer Blower Loop</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">           Dryer Blower Loop - Vents through DOME/HZZE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; border: 1px solid black;">             Redacted Copy - Claim of Confidentiality           </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1995</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	2974.5	13028.31	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	109.50	479.610	
Hexane	1.43	6.264	
Toluene	7.15	31.317	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	2974.5	13028.31	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DJVS	Emission unit name:  Conveyor Blower	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Thermal Incinerator - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	22.6	98.99	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	2.00	8.760	
Hexane	0.01	0.044	
Toluene	0.05	0.219	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	22.6	98.99	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DJWS	<b>Emission unit name:</b>  Conveyor Blower	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <p style="text-align: center;">Thermal Incinerator -Vents through DOME/HZZE</p> <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1979	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	2.8	12.27	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.25	1.095	
Hexane	0.01	0.005	
Toluene	0.01	0.027	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	2.8	12.27	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DJXS	<b>Emission unit name:</b>  Chilled Water Brine Truck Loading	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Chilled Water Brine Truck Loading - Vents through DJXE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b> <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  10 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.4	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Methanol	0.40	0.002	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.4	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DJYS	<b>Emission unit name:</b>  Low Temperature Brine Truck Loading	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Low Temperature Brine Truck Loading - Vents through DJYE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  10 hr/yr	
<b><i>Fuel Usage Data</i> (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.2	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Methanol	0.20	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.2	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DJZS	<b>Emission unit name:</b>  Warm Brine Tank Truck Loading	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Warm Brine Tank Truck Loading -Vents through DJZE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  10 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	3.9	0.02	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Methanol	3.90	0.020	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	3.9	0.02	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DLDS	Emission unit name:  #1 Secondary Condenser Steamout	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #1 Secondary Condenser Steamout - Vents through DOZE			
Redacted Copy - Claim of Confidentiality			
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):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  630 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.4	0.11	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.002	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.4	0.11	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DLFS	Emission unit name:  #2 Secondary Condenser Steamout	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #2 Secondary Condenser Steamout - Vents through DOZE			
Redacted Copy - Claim of Confidentiality			
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):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  630 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.4	0.11	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.002	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.4	0.11	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DLMS	Emission unit name:  Sparger	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Sparger - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1963	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )	86	376.68	
Total Particulate Matter (TSP)	86	376.68	
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	519.8	2276.73	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	20.00	87.600	
Hexane	0.01	0.014	
Toluene	0.02	0.075	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Particulate Matter (PM <sub>10</sub> )	86.0	376.68	
Total Particulate Matter (TSP)	86.0	376.68	
Volatile Organic Compounds (VOC)	519.8	2276.73	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  DLRS	Emission unit name:  Sparger	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Sparger - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1963	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )	128.9	564.59	
Total Particulate Matter (TSP)	128.9	564.59	
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	779.2	3412.9	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	30.00	131.400	
Hexane	0.01	0.022	
Toluene	0.03	0.132	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Particulate Matter (PM10)	128.9	564.59	
Total Particulate Matter (TSP)	128.9	564.59	
Volatile Organic Compounds (VOC)	779.2	3412.90	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DLXS	<b>Emission unit name:</b>  Sparger Lump Pot	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Sparger Lump Pot - Vents through DLXE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1963	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  219 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )	1	0.11	
Total Particulate Matter (TSP)	1	0.11	
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	5.6	0.61	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.22	0.024	
Hexane	0.01	0.001	
Toluene	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Particulate Matter (PM <sub>10</sub> )	1.0	0.11	
Total Particulate Matter (TSP)	1.0	0.11	
Volatile Organic Compounds (VOC)	5.6	0.61	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DMHS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Recycle AA Storage Tank</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;"> Recycle AA Storage Tank - Vents through DOME/HZZE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; text-align: center;"> Redacted Copy - Claim of Confidentiality </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">2000</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.02	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.005	
Hexane	0.01	0.001	
Toluene	0.01	0.002	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.02	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  DMIS	Emission unit name:  Refined AA Tank	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): <div style="text-align: center; margin-top: 10px;">Refined AA Tank - Vents through DMIE</div>			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1958	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.3	1.25	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.3	1.25	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DMLS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Refiner Distillation Column</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DMLC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">           Refiner Distillation Column - Vents through DMLE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; border: 1px solid black;">             Redacted Copy - Claim of Confidentiality           </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1989</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	201.8	883.63	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	201.8	883.63	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DMMS	<b>Emission unit name:</b>  Reagent Purification Column	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;"> Reagent Purification Column - Vents through DOME/HZZE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; border: 1px solid black;"> Redacted Copy - Claim of Confidentiality </div> </div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1989	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	803.5	3519.33	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	7.30	31.974	
Hexane	0.01	0.036	
Toluene	0.01	0.044	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	803.5	3519.33	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DMQS	<b>Emission unit name:</b>  Polymer Conveyor Vent	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Polymer Conveyor Vent - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin-left: auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  Mid 1980s	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	1.5	6.57	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.33	1.420	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	1.5	6.57	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DMRS	<b>Emission unit name:</b>  Polymer Conveyor Vent	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Polymer Conveyor Vent - Vents through DOME/HZZE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  Mid 1980s	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.6	2.63	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.14	0.614	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.6	2.63	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DMUS	Emission unit name:  Vaporizer Boilout	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Vaporizer Boilout - Vents through DMUE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  24 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.36	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.36	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DMVS	Emission unit name:  Vaporizer Boilout	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Vaporizer Boilout - Vents through DMVE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  24 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.36	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.36	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DMXS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">IRS Solvent Mix Tank</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">0 - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1995</div>	<b>Modification date(s):</b>  <div style="text-align: center;">6/17/1905</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.6	2.63	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Hexane	0.01	0.004	
Toluene	0.01	0.004	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.6	2.63	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DMYS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">IRS Divert to CFB</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;"> IRS Divert to CFB - Vents through DOME/HZZE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; text-align: center;"> Redacted Copy - Claim of Confidentiality </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1995</div>	<b>Modification date(s):</b>  <div style="text-align: center;">6/17/1905</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	3843.4	16834.1	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	3120.00	13665.600	
Hexane	1.60	7.008	
Toluene	1.40	6.132	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	3843.4	16834.10	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DNCS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Sparger Lump Pot</div>	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">           Sparger Lump Pot - Vents through DNCE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; border: 1px solid black;">             Redacted Copy - Claim of Confidentiality           </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1981</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )	1.6	6.87	
Total Particulate Matter (TSP)	1.6	6.87	
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	9.5	41.5	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.37	1.593	
Hexane	0.01	0.001	
Toluene	0.01	0.002	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Particulate Matter (PM10)	1.6	6.87	
Total Particulate Matter (TSP)	1.6	6.87	
Volatile Organic Compounds (VOC)	9.5	41.50	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DOCS	<b>Emission unit name:</b>  VRS - Oil Scrubber Bypass	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">VRS - Oil Scrubber Bypass -Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin-left: auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1995	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b><i>Fuel Usage Data</i> (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	2236.2	9794.56	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	1.10	4.818	
Hexane	1.10	4.818	
Toluene	5.70	24.966	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	2236.2	9794.56	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
Emission unit ID number:  DODS	Emission unit name:  VRS Bypass	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  VRS Bypass - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1995	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	3145.5	13777.29	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	173.60	760.368	
Hexane	1.20	5.256	
Toluene	7.40	32.412	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	3145.5	13777.29	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DOGS	<b>Emission unit name:</b>  VRS Steam Stripper Distillate Decanter	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> VRS Steam Stripper Distillate Decanter -Vents through DOME/HZZE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1972	<b>Modification date(s):</b>  6/10/1905	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	1.7	7.34	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Hexane	0.01	0.009	
Toluene	0.01	0.009	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	1.7	7.34	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DOHS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Oil Storage Tank</div>	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;"> Oil Storage Tank - Vents through DOHE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; text-align: center;"> Redacted Copy - Claim of Confidentiality </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1988</div>	<b>Modification date(s):</b>  <div style="text-align: center;">6/10/1905</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.5	2.19	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.018	
Hexane	0.01	0.002	
Toluene	0.01	0.003	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.5	2.19	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DOJS	<b>Emission unit name:</b>  Emergency Divert from Knock-Out Pot	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Emergency Divert from Knock-Out Pot - Vents through DOJE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1995	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>			
<b>Maximum Hourly Throughput:</b>	<b>Maximum Annual Throughput:</b>	<b>Maximum Operating Schedule:</b>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DOMS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">CFB Liquid VOCs</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center;">CFB Liquid VOCs - Vents through DOME</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; margin-top: 10px;"> Redacted Copy - Claim of Confidentiality </div>			
<b>Manufacturer:</b> <div style="text-align: center;">Process Combustion Corporation</div>	<b>Model number:</b> <div style="text-align: center;">Custom</div>	<b>Serial number:</b> <div style="text-align: center;">N/A</div>	
<b>Construction date:</b> <div style="text-align: center;">N/A</div>	<b>Installation date:</b> <div style="text-align: center;">2001</div>	<b>Modification date(s):</b> <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	
<b>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.</b> N/A			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Comparable Fuel	0.018	0.01	5,800-

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	4.4	19.1	
Nitrogen Oxides (NO <sub>x</sub> )	12.1	52.92	
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )	0.9	3.82	
Total Particulate Matter (TSP)	0.8	3.42	
Sulfur Dioxide (SO <sub>2</sub> )	0.5	1.93	
Volatile Organic Compounds (VOC)	17.7	77.44	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	4.4	19.10	
Nitrogen Oxides (NO <sub>x</sub> )	12.1	52.92	
Sulfur Dioxide (SO <sub>2</sub> )	0.5	1.93	
Particulate Matter (PM <sub>10</sub> )	0.9	3.82	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G      This source combines the sources GBQ, GBRS, GBSS, and GBTS.

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DONS	<b>Emission unit name:</b>  "B" Organic Waste Feed Tank	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> "B" Organic Waste Feed Tank -Vents through DOME/HZZE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  2001	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	3.7	2.41	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Benzene	0.01	0.001	
Formaldehyde	0.05	0.022	
Hexane	0.03	0.014	
Methanol	0.15	0.092	
Toluene	0.02	0.009	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	3.7	2.41	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DOOS	<b>Emission unit name:</b>  "A" Organic Waste Feed Tank	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;"> "A" Organic Waste Feed Tank -Vents through DOME/HZZE <div style="background-color: #cccccc; padding: 10px; display: inline-block; margin-top: 10px;"> Redacted Copy - Claim of Confidentiality </div> </div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1988	<b>Modification date(s):</b>  6/10/1905	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	23.4	102.5	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Benzene	0.01	0.005	
Formaldehyde	0.32	1.376	
Hexane	0.14	0.605	
Methanol	0.92	3.995	
Toluene	0.11	0.452	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	23.4	102.50	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DOPS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">"A" Aqueous Waste Water Tank</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;"> "A" Aqueous Waste Water Tank - Vents through DOME/HZZE </div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;"> Redacted Copy - Claim of Confidentiality </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1963</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	11.6	1.86	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.10	0.014	
Hexane	0.01	0.002	
Methanol	3.07	0.491	
Toluene	0.42	0.066	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	11.6	1.86	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DOQS	<b>Emission unit name:</b>  Aqueous Wastewater Decanter	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Aqueous Wastewater Decanter - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  2001	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b> <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	23.2	101.62	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.20	0.863	
Hexane	0.02	0.066	
Methanol	6.17	27.008	
Toluene	0.84	3.662	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	23.2	101.62	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DOUS	<b>Emission unit name:</b>  Tank Farm Sump	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Tank Farm Sump - Vents through DOUE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.5	1.84	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Hexane	0.01	0.003	
Toluene	0.01	0.027	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.5	1.84	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DOVS	Emission unit name:  Furnace/Flare Emergency Divert	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Furnace/Flare Emergency Divert - Vents through DOVE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1995	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DOWS	<b>Emission unit name:</b>  Stillhouse Sump	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Stillhouse Sump - Vents through DOWE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	7.8	34.17	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.02	0.057	
Hexane	0.01	0.040	
Toluene	0.01	0.044	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	7.8	34.17	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  DOYS	<b>Emission unit name:</b>  Poly Building West Sump	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Poly Building West Sump - Vents through DOYE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin-left: auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	9.7	42.4	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.014	
Hexane	0.02	0.060	
Methanol	0.16	0.681	
Toluene	0.10	0.412	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	9.7	42.40	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DOZS	<b>Emission unit name:</b>  B209 Sump	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> B209 Sump - Vents through DOZE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	8.4	36.8	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.02	0.088	
Hexane	0.01	0.040	
Toluene	0.01	0.044	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	8.4	36.80	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DPAS	<b>Emission unit name:</b>  B206 Sump	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> B206 Sump - Vents through DPAAE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	5.2	22.78	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.044	
Hexane	0.03	0.132	
Toluene	0.04	0.176	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	5.2	22.78	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DPHS	<b>Emission unit name:</b>  Capper	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Capper - Vents through DOME/HZZE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )	116.9	512.03	
Total Particulate Matter (TSP)	116.9	512.03	
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	7189.9	31491.77	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	1632.40	7149.912	
Hexane	6.60	28.908	
Toluene	69.20	303.096	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Particulate Matter (PM <sub>10</sub> )	116.9	512.03	
Total Particulate Matter (TSP)	116.9	512.03	
Volatile Organic Compounds (VOC)	7189.9	31491.77	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  DPLS	Emission unit name:  Capper	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Capper - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1981	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )	173.8	761.25	
Total Particulate Matter (TSP)	173.8	761.25	
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	7704.9	33747.47	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	457.40	2003.412	
Hexane	0.24	1.052	
Toluene	7.10	31.098	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Particulate Matter (PM <sub>10</sub> )	173.8	761.25	
Total Particulate Matter (TSP)	173.8	761.25	
Volatile Organic Compounds (VOC)	7704.9	33747.47	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  DPMS	Emission unit name:  TEHOF Reactor	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): <div style="text-align: center; padding: 10px;">TEHOF Reactor - Vents through DOME/HZZE</div>			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  2001	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.5	1.89	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.30	1.314	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.5	1.89	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  DPOS	<b>Emission unit name:</b>  ColumnTails Analyzer	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> ColumnTails Analyzer -Vents through DPOE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1983	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
<b>Fuel Type</b>	<b>Max. Sulfur Content</b>	<b>Max. Ash Content</b>	<b>BTU Value</b>
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Methanol	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">DPPS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">TEHOF Reactor Decanter</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">TEHOF Reactor Decanter -Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;"> Redacted Copy - Claim of Confidentiality </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1981</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.9	3.59	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.9	3.59	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  GAAS	Emission unit name:  #1 Poly Reactor	List any control devices associated with this emission unit:  DOMC/HZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  #1 Poly Reactor - Vents through DOME/HZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1988	Modification date(s):  6/10/1905	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  8760 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	100332.4	439455.92	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	586.10	2567.118	
Hexane	49.90	218.562	
Toluene	249.40	1092.372	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	100332.4	439455.92	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">GABS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">#2 Poly Reactor</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">#2 Poly Reactor - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;"> Redacted Copy - Claim of Confidentiality </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1988</div>	<b>Modification date(s):</b>  <div style="text-align: center;">6/10/1905</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	100322.4	439412.12	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	586.10	2567.118	
Hexane	49.90	218.562	
Toluene	249.40	1092.372	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	100322.4	439412.12	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">GACS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">#3 Poly Reactor</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">#3 Poly Reactor - Vents through DOME/HZZE</div> <div style="text-align: center; background-color: #f0f0f0; padding: 10px; margin-top: 10px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1988</div>	<b>Modification date(s):</b>  <div style="text-align: center;">6/10/1905</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	100332.4	439455.92	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	586.10	2567.118	
Hexane	49.90	218.562	
Toluene	249.40	1092.372	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	100332.4	439455.92	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  GADS	<b>Emission unit name:</b>  Reactor F/C Steamout	<b>List any control devices associated with this emission unit:</b>  DHTC1/DHTC2	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Reactor F/C Steamout - Vents through DOXE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  1560 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	230.3	179.63	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	102.02	79.576	
Hexane	0.07	0.051	
Toluene	0.33	0.251	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	230.3	179.63	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  GAES	Emission unit name:  Reactor F/C Steamout	List any control devices associated with this emission unit:  DHTC1/DHTC2	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Reactor F/C Steamout - Vents through DOXE			
<b>Redacted Copy - Claim of Confidentiality</b>			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  1560 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	230.3	179.63	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	102.02	79.576	
Hexane	0.07	0.051	
Toluene	0.33	0.251	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	230.3	179.63	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  GAFS	Emission unit name:  Reactor F/C Steamout	List any control devices associated with this emission unit:  DHTC1/DHTC2	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Reactor F/C Steamout - Vents through DOXE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1959	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  1560 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	230.3	179.63	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	102.02	79.576	
Hexane	0.07	0.051	
Toluene	0.33	0.251	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	230.3	179.63	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  GANS	<b>Emission unit name:</b>  Intermediate Polymer Silo (Solvent)	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Intermediate Polymer Silo (Solvent) - Vents through DOME/HZZE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	2471.6	10825.61	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Hexane	2.60	11.388	
Toluene	3.70	16.206	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	2471.6	10825.61	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  GAOS	<b>Emission unit name:</b>  Intermediate Polymer Silo (Formaldehyde)	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Intermediate Polymer Silo (Formaldehyde) - Vents through DOME/HZZE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	29.20	127.896	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  GAZS	<b>Emission unit name:</b>  Intermediate Polymer Silo (Solvent)	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Intermediate Polymer Silo (Solvent) - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b><i>Fuel Usage Data</i> (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	2471.6	10825.61	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Hexane	2.60	11.388	
Toluene	3.70	16.206	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	2471.6	10825.61	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  GBAS	<b>Emission unit name:</b>  Intermediate Polymer Silo (Formaldehyde)	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Intermediate Polymer Silo (Formaldehyde) - Vents through DOME/HZZE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1995	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	29.20	127.896	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">GBUS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">LBR Distillation Column</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">LBR Distillation Column - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1988</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	9.7	42.45	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.005	
Methanol	9.69	42.443	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	9.7	42.45	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  GZZS	Emission unit name:  Capper Maintenance Jet	List any control devices associated with this emission unit:  GZZC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Capper Maintenance Jet - Vents through GZZE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1986	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  36 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	8515.2	153.28	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	1227.54	22.096	
Hexane	0.16	0.003	
Toluene	7.37	0.133	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	8515.2	153.28	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  GZZ	Emission unit name:  Maintenance Jet	List any control devices associated with this emission unit:  DEM-OH	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Maintenance Jet Scrubber - Vents through DEME			
<b>Redacted Copy - Claim of Confidentiality</b>			
Manufacturer:  Custom Built	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  2011	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	491	8.84	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	58.22	1.048	
Hexane	1.51	0.028	
Toluene	0.61	0.011	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	491.0	8.84	
<b>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.).</b>			
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.*)

Measure the scrubber liquor flowrate while the maintenance jet scrubber is in operation. N/A N/A N/A

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  HAAS	<b>Emission unit name:</b>  Virtual Source for Condenser Mass Balance	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Virtual Source for Condenser Mass Balance -Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin-left: auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	1259.4	5516.18	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	1259.4	5516.18	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  HABS	<b>Emission unit name:</b>  Virtual Source for Condenser Mass Balance	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Virtual Source for Condenser Mass Balance -Vents through DOME/HZZE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1981	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	1861.7	8154.25	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	1861.7	8154.25	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  HADS	<b>Emission unit name:</b>  Virtual Source for Condenser Mass Balance	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Virtual Source for Condenser Mass Balance -Vents through DOME/HZZE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	24877.5	108963.45	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Hexane	12.40	54.312	
Toluene	62.20	272.436	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	24877.5	108963.45	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  HAFS	<b>Emission unit name:</b>  Virtual Source for Condenser Mass Balance	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Virtual Source for Condenser Mass Balance -Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin-left: auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	24877.5	108963.45	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	12.40	54.312	
Toluene	62.20	272.436	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	24877.5	108963.45	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  HAHS	<b>Emission unit name:</b>  Virtual Source for Condenser Mass Balance	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Virtual Source for Condenser Mass Balance -Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin-left: auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b><i>Fuel Usage Data</i> (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	24877.5	108963.45	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Hexane	12.40	54.312	
Toluene	62.20	272.436	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	24877.5	108963.45	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">HANS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">"E" Tank Cleanout</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">           "E" Tank Cleanout - Vents through DOME/HZZE   <div style="background-color: #cccccc; padding: 10px; display: inline-block; text-align: center;">             Redacted Copy - Claim of Confidentiality           </div> </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1980</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	7	30.66	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	2.00	8.760	
Methanol	5.00	21.900	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	7.0	30.66	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">HARS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Recycle Storage Tank Cleanout</div>	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center;">Recycle Storage Tank Cleanout - Vents through DCFE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; margin-top: 10px;"> Redacted Copy - Claim of Confidentiality </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1965</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">112.5 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	10.7	0.61	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Hexane	0.03	0.002	
Toluene	0.23	0.013	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	10.7	0.61	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
Emission unit ID number:  HASS	Emission unit name:  Storage Tank Cleanout	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): <div style="text-align: center; padding: 10px;">Storage Tank Cleanout -Vents through DOUE</div>			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1965	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  112.5 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	10.7	0.61	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Hexane	0.03	0.002	
Toluene	0.09	0.006	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	10.7	0.61	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  HATS	<b>Emission unit name:</b>  Column and Condenser Cleanout	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Column and Condenser Cleanout -Vents through DCYE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b> <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  18 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	14.4	0.13	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Hexane	0.01	0.001	
Toluene	0.32	0.003	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	14.4	0.13	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  HAVS	Emission unit name:  "A" Reagent Tank Truck Loading	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  "A" Reagent Tank Truck Loading -Vents through DFIE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1965	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  14 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	6.1	0.05	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.05	0.001	
Hexane	0.01	0.001	
Toluene	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	6.1	0.05	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">HAWS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Alcohol Tank Truck Loading</div>	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Alcohol Tank Truck Loading - Vents through DFIE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1965</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">14 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.1	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.1	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  HAXS	<b>Emission unit name:</b>  Formic Acid Truck Loading	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Formic Acid Truck Loading - Vents through DFIE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin-left: auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1965	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b> <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  14 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	0.5	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	0.5	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">HAYS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Solvent Truck Loading</div>	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Solvent Truck Loading - Vents through DFIE</div>			
Redacted Copy - Claim of Confidentiality			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1965</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">14 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	23.5	0.17	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Hexane	0.30	0.003	
Toluene	0.03	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	23.5	0.17	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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			
<b>Emission Unit Description</b>			
<b>Emission unit ID number:</b>  HAZS	<b>Emission unit name:</b>  Hemiformal Solution Tank Truck Loading	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> Hemiformal Solution Tank Truck Loading -Vents through DFIE <div style="text-align: right; background-color: #cccccc; padding: 5px;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1965	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  CLAIMED CONFIDENTIAL			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  14 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	5.7	0.04	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.02	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	5.7	0.04	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">HBAS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Slurry Feed Tank</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Slurry Feed Tank - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1959</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	55.2	241.78	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.014	
Toluene	0.04	0.176	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	55.2	241.78	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.



<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">HBCS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Isolation Change-Out Vent</div>	<b>List any control devices associated with this emission unit:</b>  	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Isolation Change-Out Vent - Vents through DIEE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;"> Redacted Copy - Claim of Confidentiality </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1959</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">31 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	1.4	0.01	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	1.4	0.01	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  HBJS	<b>Emission unit name:</b>  Sparger Condenser Wash	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">           Sparger Condenser Wash -Vents through DOME/HZZE   <div style="background-color: #cccccc; padding: 10px; display: inline-block;">             Redacted Copy - Claim of Confidentiality           </div> </div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	1575	6898.5	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	8.90	38.982	
Hexane	0.01	0.022	
Toluene	0.01	0.036	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	1575.0	6898.50	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  HBKS	<b>Emission unit name:</b>  Sparger Condenser Wash	<b>List any control devices associated with this emission unit:</b>  DOMC/HZZC	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">0 - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1959	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  8760 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	1575	6898.5	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	8.90	38.982	
Hexane	0.01	0.022	
Toluene	0.01	0.036	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	1575.0	6898.50	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  HBLs	Emission unit name:  Isolation Change-Out Vent	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  Isolation Change-Out Vent - Vents through DIEE			
Redacted Copy - Claim of Confidentiality			
Manufacturer:  N/A	Model number:  N/A	Serial number:  N/A	
Construction date:  N/A	Installation date:  1995	Modification date(s):  N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  31 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	1.4	0.03	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.01	0.001	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	1.4	0.03	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">HBMS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">Isolation System Vent</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">DOMC/HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">Isolation System Vent - Vents through DOME/HZZE</div> <div style="text-align: right; background-color: #f0f0f0; padding: 10px; border: 1px solid black; width: fit-content; margin: 10px auto;"> Redacted Copy - Claim of Confidentiality </div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1995</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	259.3	1135.43	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	1.15	5.037	
Hexane	1.49	6.527	
Toluene	0.19	0.833	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	259.3	1135.43	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b>Emission Unit Description</b>			
Emission unit ID number:  HBYS	Emission unit name:  CF Fuels Tank Truck Loading	List any control devices associated with this emission unit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):  CF Fuels Tank Truck Loading - Vents through HBYE			
Redacted Copy - Claim of Confidentiality			
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):  CLAIMED CONFIDENTIAL			
Maximum Hourly Throughput:  CLAIMED CONFIDENTIAL	Maximum Annual Throughput:  CLAIMED CONFIDENTIAL	Maximum Operating Schedule:  18 hr/yr	
<b>Fuel Usage Data</b> (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Direct Fired <input type="checkbox"/> 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



<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	54.7	0.33	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.70	0.005	
Hexane	0.30	0.002	
Methanol	4.00	0.024	
Toluene	0.20	0.002	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	54.7	0.33	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  HBZS	<b>Emission unit name:</b>  Tank Truck Loading from "A" Aqueous Tank	<b>List any control devices associated with this emission unit:</b>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">           Tank Truck Loading from "A" Aqueous Tank -Vents through HBZE   <div style="background-color: #cccccc; padding: 10px; display: inline-block;">             Redacted Copy - Claim of Confidentiality           </div> </div>			
<b>Manufacturer:</b>  N/A	<b>Model number:</b>  N/A	<b>Serial number:</b>  N/A	
<b>Construction date:</b>  N/A	<b>Installation date:</b>  1988	<b>Modification date(s):</b>  N/A	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Annual Throughput:</b>  CLAIMED CONFIDENTIAL	<b>Maximum Operating Schedule:</b>  50 hr/yr	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  N/A		<b>Type and Btu/hr rating of burners:</b>  N/A	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO <sub>x</sub> )			
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO <sub>2</sub> )			
Volatile Organic Compounds (VOC)	17.6	0.44	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	0.20	0.005	
Hexane	0.01	0.001	
Methanol	4.60	0.115	
Toluene	0.60	0.015	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Volatile Organic Compounds (VOC)	17.6	0.44	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G

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.

<b>ATTACHMENT E - Emission Unit Form</b>			
<b><i>Emission Unit Description</i></b>			
<b>Emission unit ID number:</b>  <div style="text-align: center;">HZWS</div>	<b>Emission unit name:</b>  <div style="text-align: center;">John Zink Flare</div>	<b>List any control devices associated with this emission unit:</b>  <div style="text-align: center;">HZZC</div>	
<b>Provide a description of the emission unit (type, method of operation, design parameters, etc.):</b> <div style="text-align: center; padding: 10px;">John Zink Flare - Vents through HZZE</div> <div style="text-align: right; background-color: #cccccc; padding: 10px; width: fit-content; margin: 10px auto;">Redacted Copy - Claim of Confidentiality</div>			
<b>Manufacturer:</b>  <div style="text-align: center;">N/A</div>	<b>Model number:</b>  <div style="text-align: center;">N/A</div>	<b>Serial number:</b>  <div style="text-align: center;">N/A</div>	
<b>Construction date:</b>  <div style="text-align: center;">N/A</div>	<b>Installation date:</b>  <div style="text-align: center;">1995</div>	<b>Modification date(s):</b>  <div style="text-align: center;">N/A</div>	
<b>Design Capacity (examples: furnaces - tons/hr, tanks - gallons):</b>  <div style="text-align: center; padding: 10px;">CLAIMED CONFIDENTIAL</div>			
<b>Maximum Hourly Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Annual Throughput:</b>  <div style="text-align: center;">CLAIMED CONFIDENTIAL</div>	<b>Maximum Operating Schedule:</b>  <div style="text-align: center;">8760 hr/yr</div>	
<b>Fuel Usage Data (fill out all applicable fields)</b>			
<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>If yes, is it?</b> <input type="checkbox"/> Direct Fired <input type="checkbox"/> Indirect Fired	
<b>Maximum design heat input and/or maximum horsepower rating:</b>  <div style="text-align: center;">N/A</div>		<b>Type and Btu/hr rating of burners:</b>  <div style="text-align: center;">N/A</div>	
<b>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.</b>			
<b>Describe each fuel expected to be used during the term of the permit.</b>			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<b>Emissions Data</b>			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	12.2	50	
Nitrogen Oxides (NO <sub>x</sub> )	6.6	24.6	
Lead (Pb)			
Particulate Matter (PM <sub>2.5</sub> )			
Particulate Matter (PM <sub>10</sub> )	0.5	1.3	
Total Particulate Matter (TSP)	0.5	1.3	
Sulfur Dioxide (SO <sub>2</sub> )	0.2	0.3	
Volatile Organic Compounds (VOC)	78.4	56.2	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Formaldehyde	10.96	4.700	
Hexane	0.14	0.290	
Methanol	0.19	0.030	
Toluene	0.25	0.100	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	12.2	50.00	
Nitrogen Oxides (NOX)	6.6	24.60	
Sulfur Dioxide (SO <sub>2</sub> )	0.2	0.30	
Particulate Matter (PM <sub>10</sub> )	0.5	1.30	
<b>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.).</b>			
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 Regulation 13 construction permit # 1849G      This will combine and include sources HZXS, HZYS, AND HZZS

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.



**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Unit Description												
Emission Unit ID	Emission Unit Name	Control Device	Emission Unit Description	Manufacturer	Model Number	Serial Number	Construction Date	Installation Date	Modification Date(s)	Design Capacity	Maximum Hourly Throughput	Maximum Annual Throughput
DBB-S	Maintenance Bead Blaster	Integral to unit	Zero Blast-N-Peen , model BNP-220-1	Zero Blast-N-Peen	BNP-220-1			2000		CONFIDENTIAL	CONFIDENTIAL	CONF
DBU-S	Electrically Heated Burnout Oven	None	Electrically heated Burn Out Oven, Beringer Co., Model 3468	Beringer Co	3468			1985		CONFIDENTIAL	CONFIDENTIAL	CONF
DFR-S	Bulk Fluff Return Conveyor	DFR-P/DFR-C	Bulk Fluff Return Conveyor Intermittent Operation, 24 hr/day, 7 days/week, 52 weeks/yea	Custom made for DuPont				approx. 1988		CONFIDENTIAL	CONFIDENTIAL	CONF
DGA-S	Solvent Cleaning Station	None	Solvent Cleaning Station	(rental)	varies w/ contract			2000		CONFIDENTIAL	CONFIDENTIAL	CONF
DLAB-S	Delrin Lab Hoods	None	Delrin Lab Hood Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	(multiple)	(varies)			1960's		CONFIDENTIAL	CONFIDENTIAL	CONF
HCR-S	Additive Preparation Equipment	DQC-C	Concentrate Room Emissions: Filling Blenders Continuous Operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				2007		CONFIDENTIAL	CONFIDENTIAL	CONF
DOH-S	#6 Ext. Fluff Bin	0	#6 Extruder Fluff Bin Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1960		CONFIDENTIAL	CONFIDENTIAL	CONF
DQI-S	#3 Ext. Fluff Bin	0	#3 Extruder Fluff Bin Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1960		CONFIDENTIAL	CONFIDENTIAL	CONF
DOJ-S	#4 Ext. Fluff Bin	0	#4 Extruder Fluff Bin Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1972		CONFIDENTIAL	CONFIDENTIAL	CONF
DTE-S	Capped Ribbon Blender	0	Capped Fluff Ribbon Blender Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1960		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

				Fuel Usage Data									
Maximum Operating Schedule										Term of the Permit			
Emission Unit ID	Hours/Day	Days/Week	Weeks/Year	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	Type and Btu/hr Rating of Burners	List the Primary Fuel Type(s) and Secondary Fuel Type(s).	For Each Fuel Type Listed, Provide the Maximum Hourly and Annual Fuel Usage.	Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
DBB-S	1	1	52	No									
DBU-S	6	1	52	No									
DFR-S	24	7	52	No									
DGA-S	N/A	N/A	N/A	No									
DLAB-S	24	7	52	No									
HCR-S	24	7	52	Yes									
DQH-S	24	7	52	No									
DQI-S	24	7	52	No									
DQJ-S	24	7	52	No									
DTE-S	24	7	52	No									

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Data										
Emission Unit ID	Criteria Pollutants	Potential Emissions		Hazardous Air Pollutants	Potential Emissions		Regulated Pollutants other than Criteria and HAP	Potential Emissions		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.).
		PPH	TPY		PPH	TPY		PPH	TPY	
DBB-S	PM10		0.00E+00	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	
	VOCs		0.00E+00	Methanol		0.00E+00				
DBU-S	PM10		0.00E+00	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	
	VOCs		0.00E+00	Methanol		0.00E+00				
DFR-S	PM10	9.00E-04	7.94E-04	Formaldehyde	9.82E-05	8.66E-05	Acetic Acid		0.00E+00	EE
	VOCs	4.65E-03	4.10E-03	Methanol	1.88E-03	1.66E-03				
DGA-S	PM10		0.00E+00	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	
	VOCs		0.00E+00	Methanol		0.00E+00				
DLAB-S	PM10	0.00E+00	0.00E+00	Formaldehyde	2.00E-05	8.76E-05	Acetic Acid	1.00E-05	0.00E+00	EE
	VOCs	3.00E-05	1.31E-04	Methanol		0.00E+00				
HCR-S	PM10	3.87E-05	1.70E-04	Formaldehyde	0.00E+00	0.00E+00	Acetic Acid		0.00E+00	EE
	VOCs	0.00E+00	0.00E+00	Methanol	0.00E+00	0.00E+00				
DQH-S	PM10	1.32E-04	5.62E-05	Formaldehyde	1.97E-04	6.14E-05	Acetic Acid		0.00E+00	
	VOCs	9.32E-03	2.91E-03	Methanol	3.77E-03	1.18E-03				
DQI-S	PM10	1.32E-04	2.83E-05	Formaldehyde	1.97E-04	3.10E-05	Acetic Acid		0.00E+00	
	VOCs	9.32E-03	1.47E-03	Methanol	3.77E-03	5.94E-04				
DQJ-S	PM10	1.32E-04	5.30E-05	Formaldehyde	1.97E-04	5.80E-05	Acetic Acid		0.00E+00	
	VOCs	9.32E-03	2.74E-03	Methanol	3.77E-03	1.11E-03				
DTE-S	PM10	1.06E-05	4.65E-05	Formaldehyde	6.37E-03	2.79E-02	Acetic Acid		0.00E+00	
	VOCs	8.49E-03	3.72E-02	Methanol	0.00E+00	0.00E+00				

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Applicable Requirements		
		For all applicable requirements listed above, provide monitoring/testing/		
Emission Unit ID	List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.	Permit Shield	Monitoring	Recordkeeping
DBB-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DBU-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DFR-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DFR-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DFR-E. Method 9 opacity tests at associated emission point DFR-E, if necessary.
DGA-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DLAB-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HCR-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DQC-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DQC-E. Method 9 opacity tests at associated emission point DQC-E, if necessary.
DQH-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DQC-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DQC-E. Method 9 opacity tests at associated emission point DQC-E, if necessary.
DQI-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DQC-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DQC-E. Method 9 opacity tests at associated emission point DQC-E, if necessary.
DQJ-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DQC-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DQC-E. Method 9 opacity tests at associated emission point DQC-E, if necessary.
DTE-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DQC-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DQC-E. Method 9 opacity tests at associated emission point DQC-E, if necessary.

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Recordkeeping/reporting which shall be used to demonstrate compliance.			
Emission Unit ID	Reporting	Testing	Are you in compliance with all applicable requirements for this emission unit? (Yes/No)
DBB-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DBU-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DFR-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DGA-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DLAB-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HCR-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DOH-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DQI-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DQJ-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DTE-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Unit Description												
Emission Unit ID	Emission Unit Name	Control Device	Emission Unit Description	Manufacturer	Model Number	Serial Number	Construction Date	Installation Date	Modification Date(s)	Design Capacity	Maximum Hourly Throughput	Maximum Annual Throughput
DWO-S	#4 Ext. Wax Blender	0	#4 Extruder Surface Coating Wax Blender Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1972		CONDIFENTIAL	CONDIFENTIAL	CONF
HCO-S	#3 Ext. Wax Blender	0	#3 Extruder Surface Coating Wax Blender Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1989		CONDIFENTIAL	CONDIFENTIAL	CONF
DTH-S	"A" Product Silo	None	"A" Product Silo Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1960		CONDIFENTIAL	CONDIFENTIAL	CONF
DTI-S	"B" Product Silo	None	"B" Product Silo Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1960		CONDIFENTIAL	CONDIFENTIAL	CONF
DTJ-S	"C" Product Silo	None	"C" Product Silo Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1960		CONDIFENTIAL	CONDIFENTIAL	CONF
DTK-S	"D" Product Silo	None	"D" Product Silo Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1960		CONDIFENTIAL	CONDIFENTIAL	CONF
DTL-S	"E" Product Silo	None	"E" Product Silo Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1971		CONDIFENTIAL	CONDIFENTIAL	CONF
DTM-S	"F" Product Silo	None	"F" Product Silo Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1971		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

				Fuel Usage Data									
Maximum Operating Schedule										Term of the Permit			
Emission Unit ID	Hours/Day	Days/Week	Weeks/Year	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	Type and Btu/hr Rating of Burners	List the Primary Fuel Type(s) and Secondary Fuel Type(s).	For Each Fuel Type Listed, Provide the Maximum Hourly and Annual Fuel Usage.	Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
DWQ-S	24	7	52	No									
HCO-S	24	7	52	No									
DTH-S	24	7	30	No									
DTI-S	24	7	30	No									
DTJ-S	24	7	30	No									
DTK-S	24	7	30	No									
DTL-S	24	7	30	No									
DTM-S	24	7	30	No									

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Data										
Emission Unit ID	Criteria Pollutants	Potential Emissions		Hazardous Air Pollutants	Potential Emissions		Regulated Pollutants other than Criteria and HAP	Potential Emissions		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.).
		PPH	TPY		PPH	TPY		PPH	TPY	
DWO-S	PM10	7.15E-06	2.41E-05	Formaldehyde	1.30E-04	4.38E-04	Acetic Acid		0.00E+00	MB
	VOCs	4.55E-04	1.53E-03	Methanol	0.00E+00	0.00E+00				
HCO-S	PM10	7.15E-07	2.41E-06	Formaldehyde	5.20E-04	1.75E-03	Acetic Acid		0.00E+00	EE
	VOCs	5.20E-04	1.75E-03	Methanol	0.00E+00	0.00E+00				
DTH-S	PM10	1.75E-02	7.65E-02	Formaldehyde	1.00E-05	4.38E-05	Acetic Acid		0.00E+00	ST
	VOCs	8.70E-04	3.81E-03	Methanol	1.90E-04	8.32E-04				
DTI-S	PM10	1.75E-02	7.65E-02	Formaldehyde	1.00E-05	4.38E-05	Acetic Acid		0.00E+00	ST
	VOCs	8.70E-04	3.81E-03	Methanol	1.90E-04	8.32E-04				
DTJ-S	PM10	1.75E-02	7.65E-02	Formaldehyde	1.00E-05	4.38E-05	Acetic Acid		0.00E+00	ST
	VOCs	8.70E-04	3.81E-03	Methanol	1.90E-04	8.32E-04				
DTK-S	PM10	1.75E-02	7.65E-02	Formaldehyde	1.00E-05	4.38E-05	Acetic Acid		0.00E+00	ST
	VOCs	8.70E-04	3.81E-03	Methanol	1.90E-04	8.32E-04				
DTL-S	PM10	1.75E-02	7.65E-02	Formaldehyde	1.00E-05	4.38E-05	Acetic Acid		0.00E+00	ST
	VOCs	8.70E-04	3.81E-03	Methanol	1.90E-04	8.32E-04				
DTM-S	PM10	1.75E-02	7.65E-02	Formaldehyde	1.00E-05	4.38E-05	Acetic Acid		0.00E+00	ST
	VOCs	8.70E-04	3.81E-03	Methanol	1.90E-04	8.32E-04				



**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Applicable Requirements		
		For all applicable requirements listed above, provide monitoring/testing/		
Emission Unit ID	List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.	Permit Shield	Monitoring	Recordkeeping
DWQ-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DQC-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DQC-E. Method 9 opacity tests at associated emission point DQC-E, if necessary.
HCO-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DQC-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DQC-E. Method 9 opacity tests at associated emission point DQC-E, if necessary.
DTH-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTH-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTH-E. Method 9 opacity tests at associated emission point DTH-E, if necessary.
DTI-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTI-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTI-E. Method 9 opacity tests at associated emission point DTI-E, if necessary.
DTJ-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTJ-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTJ-E. Method 9 opacity tests at associated emission point DTJ-E, if necessary.
DTK-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTK-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTK-E. Method 9 opacity tests at associated emission point DTK-E, if necessary.
DTL-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTL-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTL-E. Method 9 opacity tests at associated emission point DTL-E, if necessary.
DTM-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTM-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTM-E. Method 9 opacity tests at associated emission point DTM-E, if necessary.

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Recordkeeping/reporting which shall be used to demonstrate compliance.			
Emission Unit ID	Reporting	Testing	Are you in compliance with all applicable requirements for this emission unit? (Yes/No)
DWQ-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HCO-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DTH-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DTI-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DTJ-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DTK-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DTL-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DTM-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Unit Description												
Emission Unit ID	Emission Unit Name	Control Device	Emission Unit Description	Manufacturer	Model Number	Serial Number	Construction Date	Installation Date	Modification Date(s)	Design Capacity	Maximum Hourly Throughput	Maximum Annual Throughput
DTN-S	"G" Product Silo	None	"G" Product Silo Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1976		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DTO-S	"H" Product Silo	None	"H" Product Silo Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1976		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DUP-S	Misc Bulk Cube Return Conveyor	DQE-P/DQE-C	Misc Bulk Cube Return Conveyor Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1998		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HFI-S	#1 Ext. Sparge Bin	None	#1 Extruder Sparger Bin Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1997		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DWB-S	#3 Ext. Sparge Bin	None	#3 Extruder Sparger Bin Continuous Operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1960		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DQR-S	#3 Ext. Die Hood	None	#3 Extruder Die Hood Vent Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1970		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DQV-S	#6 Ext. Die Hood	None	#6 Extruder Die Hood Vent Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				2004		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DVU-S	D6 Sparger Cube Feed Conveyor	DRY-P	D6 Sparger Cube Feed Conveyor Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				2004		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DVV-S	D3 Sparger Cube Feed Conveyor	DSN-P	D3 Sparger Cube Feed Conveyor Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1960		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

				Fuel Usage Data									
Maximum Operating Schedule										Term of the Permit			
Emission Unit ID	Hours/Day	Days/Week	Weeks/Year	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	Type and Btu/hr Rating of Burners	List the Primary Fuel Type(s) and Secondary Fuel Type(s).	For Each Fuel Type Listed, Provide the Maximum Hourly and Annual Fuel Usage.	Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
DTN-S	24	7	30	No									
DTO-S	24	7	30	No									
DUP-S	24	7	52	No									
HFI-S	24	7	52	No									
DWB-S	24	7	52	No									
DQR-S	24	7	52	No									
DQV-S	24	7	52	No									
DVU-S	24	7	52	No									
DVV-S	24	7	52	No									

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Data										
Emission Unit ID	Criteria Pollutants	Potential Emissions		Hazardous Air Pollutants	Potential Emissions		Regulated Pollutants other than Criteria and HAP	Potential Emissions		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.).
		PPH	TPY		PPH	TPY		PPH	TPY	
DTN-S	PM10	1.75E-02	7.65E-02	Formaldehyde	1.00E-05	4.38E-05	Acetic Acid		0.00E+00	ST
	VOCs	8.70E-04	3.81E-03	Methanol	1.90E-04	8.32E-04				
DTO-S	PM10	1.75E-02	7.65E-02	Formaldehyde	1.00E-05	4.38E-05	Acetic Acid		0.00E+00	MB
	VOCs	8.70E-04	3.81E-03	Methanol	1.90E-04	8.32E-04				
DUP-S	PM10	3.28E-05	1.42E-05	Formaldehyde	2.04E-04	8.78E-05	Acetic Acid		0.00E+00	EE
	VOCs	4.05E-02	1.75E-02	Methanol	2.04E-04	6.88E-04				
HFI-S	PM10	1.22E-01	4.11E-01	Formaldehyde	2.96E-02	9.97E-02	Acetic Acid		0.00E+00	EE
	VOCs	2.48E-01	8.36E-01	Methanol	2.01E-03	6.75E-03				
DWB-S	PM10	1.66E-02	5.61E-02	Formaldehyde	1.07E-02	3.61E-02	Acetic Acid		0.00E+00	MB
	VOCs	1.33E-02	4.49E-02	Methanol	1.27E-03	4.28E-03				
DOR-S	PM10		0.00E+00	Formaldehyde	1.43E-04	4.82E-04	Acetic Acid		0.00E+00	
	VOCs	1.95E-04	6.57E-04	Methanol		0.00E+00				
DOV-S	PM10		0.00E+00	Formaldehyde	1.43E-04	4.82E-04	Acetic Acid		0.00E+00	
	VOCs	1.95E-04	6.57E-04	Methanol		0.00E+00				
DVU-S	PM10	5.86E-05	1.97E-04	Formaldehyde	3.98E-02	1.34E-01	Acetic Acid		0.00E+00	MB
	VOCs	3.98E-02	1.34E-01	Methanol		0.00E+00				
DWW-S	PM10	4.17E-03	1.40E-02	Formaldehyde	2.10E-03	7.07E-03	Acetic Acid		0.00E+00	MB
	VOCs	2.10E-03	7.07E-03	Methanol		0.00E+00				

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Applicable Requirements		
		For all applicable requirements listed above, provide monitoring/testing/		
Emission Unit ID	List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.	Permit Shield	Monitoring	Recordkeeping
DTN-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTN-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTN-E. Method 9 opacity tests at associated emission point DTN-E, if necessary.
DTO-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTO-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTO-E. Method 9 opacity tests at associated emission point DTO-E, if necessary.
DUP-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DQE-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DQE-E. Method 9 opacity tests at associated emission point DQE-E, if necessary.
HFI-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DQM-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DQM-E. Method 9 opacity tests at associated emission point DQM-E, if necessary.
DWB-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DQN-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DQN-E. Method 9 opacity tests at associated emission point DQN-E, if necessary.
DQR-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DQV-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DVU-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DRY-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DRY-E. Method 9 opacity tests at associated emission point DRY-E, if necessary.
DVV-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DSN-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DSN-E. Method 9 opacity tests at associated emission point DSN-E, if necessary.

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Recordkeeping/reporting which shall be used to demonstrate compliance.			
Emission Unit ID	Reporting	Testing	Are you in compliance with all applicable requirements for this emission unit? (Yes/No)
DTN-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DTO-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DUP-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HFI-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DWB-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DQR-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DQV-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DVU-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DVV-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Unit Description												
Emission Unit ID	Emission Unit Name	Control Device	Emission Unit Description	Manufacturer	Model Number	Serial Number	Construction Date	Installation Date	Modification Date(s)	Design Capacity	Maximum Hourly Throughput	Maximum Annual Throughput
DUA-S	#4 Ext. Conc. Transfer	DSX-P	#4 Extruder Concentrate Transfer System Semi-batch operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1972		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
DTF-S	CD Blower System	DTF-P/DTF-C	CD Loop Conveyor Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1980's		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
DTG-S	GH Blower System	DTG-P/DTG-C	GH Loop Conveyor Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1988		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
HXC-S	#5 Ext. Wax Blender	DTZ-C	#5 Extruder Screw Conveyor Wax Blender Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1981		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
DQK-S	#4 Ext. Sparger Bin	0	#4 Extruder Sparger Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1972		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
DQM-S	#5 Ext. Sparge Bin	0	#5 Extruder Sparger Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1981		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
DOL-S	#5 Ext. Fluff Bin	0	#5 Extruder Fluff Bin Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1981		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
HCZ-S	#5 Ext. Ribbon Blender	0	#5 Extruder Concentrate Feed Blender Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1981		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF



**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

				Fuel Usage Data									
Maximum Operating Schedule										Term of the Permit			
Emission Unit ID	Hours/Day	Days/Week	Weeks/Year	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	Type and Btu/hr Rating of Burners	List the Primary Fuel Type(s) and Secondary Fuel Type(s).	For Each Fuel Type Listed, Provide the Maximum Hourly and Annual Fuel Usage.	Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
DUA-S	24	7	52	No									
DTF-S	24	7	30	No									
DTG-S	24	7	30	No									
HGX-S	24	7	52	No									
DOK-S	24	7	52	No									
DQM-S	24	7	52	No									
DQL-S	24	7	52	No									
HCZ-S	24	7	52	No									

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Data										
Emission Unit ID	Criteria Pollutants	Potential Emissions		Hazardous Air Pollutants	Potential Emissions		Regulated Pollutants other than Criteria and HAP	Potential Emissions		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.).
		PPH	TPY		PPH	TPY		PPH	TPY	
DUA-S	PM10	4.16E-03	1.82E-02	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	
	VOCs		0.00E+00	Methanol		0.00E+00				
DTF-S	PM10	9.00E-04	1.74E-03	Formaldehyde	4.51E-02	2.47E-02	Acetic Acid		0.00E+00	
	VOCs	4.51E+00	2.47E+00	Methanol	1.35E+00	7.41E-01				
DTG-S	PM10	5.09E-04	5.41E-04	Formaldehyde	2.61E-02	2.85E-02	Acetic Acid		0.00E+00	
	VOCs	2.61E+00	2.85E+00	Methanol	7.82E-01	8.56E-01				
HCX-S	PM10	7.15E-06	2.41E-05	Formaldehyde	1.30E-04	4.38E-04	Acetic Acid		0.00E+00	EE
	VOCs	4.94E-04	1.67E-03	Methanol	0.00E+00	0.00E+00				
DOK-S	PM10	1.66E-05	5.61E-05	Formaldehyde	1.07E-02	3.61E-02	Acetic Acid		0.00E+00	
	VOCs	1.33E-02	4.49E-02	Methanol	1.27E-03	4.28E-03				
DOM-S	PM10	1.66E-05	5.61E-05	Formaldehyde	1.07E-02	3.61E-02	Acetic Acid		0.00E+00	
	VOCs	1.33E-02	4.49E-02	Methanol	1.27E-03	4.28E-03				
DQL-S	PM10	1.32E-04	4.72E-05	Formaldehyde	1.97E-04	5.17E-05	Acetic Acid		0.00E+00	
	VOCs	9.32E-03	2.45E-03	Methanol	3.77E-03	9.91E-04				
HCZ-S	PM10	8.03E-06	3.51E-05	Formaldehyde	0.00E+00	0.00E+00	Acetic Acid		0.00E+00	EE
	VOCs	0.00E+00	0.00E+00	Methanol	0.00E+00	0.00E+00				

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Applicable Requirements		
		For all applicable requirements listed above, provide monitoring/testing/		
Emission Unit ID	List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.	Permit Shield	Monitoring	Recordkeeping
DUA-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DSZ-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DSZ-E. Method 9 opacity tests at associated emission point DSZ-E, if necessary.
DTF-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTF-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTF-E. Method 9 opacity tests at associated emission point DTF-E, if necessary.
DTG-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTG-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTG-E. Method 9 opacity tests at associated emission point DTG-E, if necessary.
HCX-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTZ-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTZ-E. Method 9 opacity tests at associated emission point DTZ-E, if necessary.
DQK-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTZ-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTZ-E. Method 9 opacity tests at associated emission point DTZ-E, if necessary.
DOM-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTZ-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTZ-E. Method 9 opacity tests at associated emission point DTZ-E, if necessary.
DQL-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTZ-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTZ-E. Method 9 opacity tests at associated emission point DTZ-E, if necessary.
HCZ-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTZ-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTZ-E. Method 9 opacity tests at associated emission point DTZ-E, if necessary.

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Recordkeeping/reporting which shall be used to demonstrate compliance.			
Emission Unit ID	Reporting	Testing	Are you in compliance with all applicable requirements for this emission unit? (Yes/No)
DUA-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DTF-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DTG-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HCX-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DOK-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DQM-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DQL-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HCZ-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Unit Description												
Emission Unit ID	Emission Unit Name	Control Device	Emission Unit Description	Manufacturer	Model Number	Serial Number	Construction Date	Installation Date	Modification Date(s)	Design Capacity	Maximum Hourly Throughput	Maximum Annual Throughput
DVX-S	#5 Extruder	DSB-P/DTZ-C	D5 Sparger Cube Feed Conveyor Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1981		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DVW-S	D4 Sparger Cube Feed Conveyor	DSO-P/DTZ-C	D4 Sparger Cube Feed Conveyor Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1972		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DUB-S	"E" Fluidizing Blower Vent	None	"E" Fluidizer Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				Early 1970's		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DUC-S	"K" Fluidizing Blower Vent	None	"K" Fluidizer Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				Early 1970's		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DUD-S	"J" Fluidizing Blower Vent	None	"J" Fluidizer Continuous operation 24 hr/day, 7 days/week, 52 weeks/year.	Custom made for DuPont				2007		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DQU-S	#4 Ext. Cube Blender	DZB-C	#4 Extruder Cube Blender Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1971		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DUI-S	#5 Ext. Cube Blender	DZB-C	#5 Extruder Cube Blender Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1981		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DBC-S	Bulk Cube Silo	0	Bulk Cube Silo Semi-Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				<1988		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

				Fuel Usage Data									
Maximum Operating Schedule										Term of the Permit			
Emission Unit ID	Hours/Day	Days/Week	Weeks/Year	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	Type and Btu/hr Rating of Burners	List the Primary Fuel Type(s) and Secondary Fuel Type(s).	For Each Fuel Type Listed, Provide the Maximum Hourly and Annual Fuel Usage.	Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
DVX-S	24	7	52	No									
DVW-S	24	7	52	No									
DUB-S	24	7	52	No									
DUC-S	24	7	52	No									
DUD-S	24	7	52	No									
DQU-S	24	7	52	No									
DUI-S	24	7	52	No									
DBC-S	24	7	52	No									

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Data										
Emission Unit ID	Criteria Pollutants	Potential Emissions		Hazardous Air Pollutants	Potential Emissions		Regulated Pollutants other than Criteria and HAP	Potential Emissions		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.).
		PPH	TPY		PPH	TPY		PPH	TPY	
DVX-S	PM10	6.97E-05	3.05E-04	Formaldehyde	3.15E-02	1.38E-01	Acetic Acid		0.00E+00	MB
	VOCs	3.60E-02	1.58E-01	Methanol		3.33E-03				
DVW-S	PM10	5.30E-05	2.32E-04	Formaldehyde	2.40E-02	1.05E-01	Acetic Acid		0.00E+00	MB
	VOCs	2.40E-02	1.05E-01	Methanol		0.00E+00				
DUB-S	PM10	7.82E-05	3.43E-04	Formaldehyde	1.71E-01	7.48E-01	Acetic Acid		0.00E+00	EE
	VOCs	3.79E-01	1.66E+00	Methanol		0.00E+00				
DUC-S	PM10	7.41E-04	3.25E-03	Formaldehyde	1.08E-01	4.73E-01	Acetic Acid		0.00E+00	EE
	VOCs	2.40E-01	1.05E+00	Methanol		0.00E+00				
DUD-S	PM10	4.50E-06	1.97E-05	Formaldehyde	1.00E-04	4.38E-04	Acetic Acid	0.00E+00	0.00E+00	EE
	VOCs	2.00E-04	8.76E-04	Methanol		0.00E+00				
DOU-S	PM10	7.20E-06	2.42E-05	Formaldehyde	9.69E-02	3.26E-01	Acetic Acid		0.00E+00	
	VOCs	1.49E-01	5.01E-01	Methanol		0.00E+00				
DUI-S	PM10	7.20E-06	2.42E-05	Formaldehyde	7.16E-02	2.41E-01	Acetic Acid		0.00E+00	EE
	VOCs	1.56E-01	5.26E-01	Methanol	0.00E+00	0.00E+00				
DBC-S	PM10	1.55E-05	2.42E-05	Formaldehyde	1.12E-04	7.73E-05	Acetic Acid		0.00E+00	
	VOCs	2.23E-02	1.54E-02	Methanol	8.79E-04	6.05E-04				

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Applicable Requirements		
		For all applicable requirements listed above, provide monitoring/testing/		
Emission Unit ID	List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.	Permit Shield	Monitoring	Recordkeeping
DVX-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTZ-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTZ-E. Method 9 opacity tests at associated emission point DTZ-E, if necessary.
DVW-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DTZ-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DTZ-E. Method 9 opacity tests at associated emission point DTZ-E, if necessary.
DUB-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUB-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUB-E. Method 9 opacity tests at associated emission point DUB-E, if necessary.
DUC-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUC-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUC-E. Method 9 opacity tests at associated emission point DUC-E, if necessary.
DUD-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUD-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUD-E. Method 9 opacity tests at associated emission point DUD-E, if necessary.
DQU-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DZB-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DZB-E. Method 9 opacity tests at associated emission point DZB-E, if necessary.
DUI-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DZB-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DZB-E. Method 9 opacity tests at associated emission point DZB-E, if necessary.
DBC-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DZB-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DZB-E. Method 9 opacity tests at associated emission point DZB-E, if necessary.



**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Recordkeeping/reporting which shall be used to demonstrate compliance.			
Emission Unit ID	Reporting	Testing	Are you in compliance with all applicable requirements for this emission unit? (Yes/No)
DVX-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DVW-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DUB-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DUC-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DUD-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DQU-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DUI-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DBC-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Unit Description												
Emission Unit ID	Emission Unit Name	Control Device	Emission Unit Description	Manufacturer	Model Number	Serial Number	Construction Date	Installation Date	Modification Date(s)	Design Capacity	Maximum Hourly Throughput	Maximum Annual Throughput
HOP-S	Hopper Truck Unloading	0	Hopper Truck Unloading Intermittent operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				<1988		CONFIDENTIAL	CONFIDENTIAL	CONF
DTP-S	#3 Ext. Prod. Hopper	DUL-C	#3 Ext. Prod. Hopper Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1989		CONFIDENTIAL	CONFIDENTIAL	CONF
HFL-S	#1 Ext. Prod. Hopper	0	#1 Extruder Product Hopper Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1997		CONFIDENTIAL	CONFIDENTIAL	CONF
DUG-S	#6 Ext. Cube Blender	DUK-C	#6 Extruder Cube Blender Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				2004		CONFIDENTIAL	CONFIDENTIAL	CONF
DUN-S	#4 Ext. Prod. Hopper	0	#4 Extruder Product Hopper Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1988		CONFIDENTIAL	CONFIDENTIAL	CONF
DWC-S	#5 Ext. Prod. Hopper	0	#5 Extruder Product Hopper Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1988		CONFIDENTIAL	CONFIDENTIAL	CONF
DUQ3-S	BF Dumping Station	DUQ-C	Box Fluff Dumping Station Continuous operation 24 hr/day, 7 days/week, 30 weeks/year					1998		CONFIDENTIAL	CONFIDENTIAL	CONF
DUQ1-S	BF Loading Station	0	Box Fluff Loading Station Continuous operation 24 hr/day, 7 days/week, 30 weeks/year					1970		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

				Fuel Usage Data									
Maximum Operating Schedule										Term of the Permit			
Emission Unit ID	Hours/Day	Days/Week	Weeks/Year	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	Type and Btu/hr Rating of Burners	List the Primary Fuel Type(s) and Secondary Fuel Type(s).	For Each Fuel Type Listed, Provide the Maximum Hourly and Annual Fuel Usage.	Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
HOP-S	24	7	52	No									
DTP-S	24	7	52	No									
HFL-S	24	7	52	No									
DUG-S	24	7	52	No									
DUN-S	24	7	52	No									
DWC-S	24	7	52	No									
DUQ3-S	24	7	30	No									
DUQ1-S	24	7	30	No									

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Data										
Emission Unit ID	Criteria Pollutants	Potential Emissions		Hazardous Air Pollutants	Potential Emissions		Regulated Pollutants other than Criteria and HAP	Potential Emissions		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.).
		PPH	TPY		PPH	TPY		PPH	TPY	
HOP-S	PM10	0.00E+00	0.00E+00	Formaldehyde	0.00E+00	0.00E+00	Acetic Acid	0.00E+00	0.00E+00	EE
	VOCs	0.00E+00	0.00E+00	Methanol	0.00E+00	0.00E+00				
DTP-S	PM10	6.88E-06	3.01E-05	Formaldehyde	2.05E-02	8.99E-02	Acetic Acid		0.00E+00	MB
	VOCs	2.05E-02	8.99E-02	Methanol		0.00E+00				
HFL-S	PM10	7.20E-06	2.42E-05	Formaldehyde	7.16E-02	2.41E-01	Acetic Acid		0.00E+00	EE
	VOCs	1.56E-01	5.26E-01	Methanol	0.00E+00	0.00E+00				
DUG-S	PM10	7.20E-06	2.42E-05	Formaldehyde	9.69E-02	3.26E-01	Acetic Acid		0.00E+00	EE
	VOCs	1.49E-01	5.01E-01	Methanol		0.00E+00				
DUN-S	PM10	7.20E-06	2.42E-05	Formaldehyde	9.69E-02	3.26E-01	Acetic Acid		0.00E+00	EE
	VOCs	1.49E-01	5.01E-01	Methanol	0.00E+00	0.00E+00				
DWC-S	PM10	6.51E-06	2.19E-05	Formaldehyde	5.23E-02	1.76E-01	Acetic Acid		0.00E+00	MB
	VOCs	5.99E-02	2.02E-01	Methanol	0.00E+00	0.00E+00				
DUQ3-S	PM10	3.42E-02	1.50E-01	Formaldehyde	2.28E-05	9.99E-05	Acetic Acid		0.00E+00	EE
	VOCs	7.99E-05	3.50E-04	Methanol		0.00E+00				
DUQ1-S	PM10	4.45E-02	1.95E-01	Formaldehyde	2.97E-05	1.30E-04	Acetic Acid		0.00E+00	EE
	VOCs	1.04E-04	4.55E-04	Methanol		0.00E+00				

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Applicable Requirements		
		For all applicable requirements listed above, provide monitoring/testing/		
Emission Unit ID	List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.	Permit Shield	Monitoring	Recordkeeping
HOP-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DZB-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DZB-E. Method 9 opacity tests at associated emission point DZB-E, if necessary.
DTP-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUK-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUK-E. Method 9 opacity tests at associated emission point DUK-E, if necessary.
HFL-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUK-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUK-E. Method 9 opacity tests at associated emission point DUK-E, if necessary.
DUG-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUK-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUK-E. Method 9 opacity tests at associated emission point DUK-E, if necessary.
DUN-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUK-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUK-E. Method 9 opacity tests at associated emission point DUK-E, if necessary.
DWC-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUK-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUK-E. Method 9 opacity tests at associated emission point DUK-E, if necessary.
DUQ3-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUQ-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUQ-E. Method 9 opacity tests at associated emission point DUQ-E, if necessary.
DUQ1-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUQ-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUQ-E. Method 9 opacity tests at associated emission point DUQ-E, if necessary.

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Recordkeeping/reporting which shall be used to demonstrate compliance.			
Emission Unit ID	Reporting	Testing	Are you in compliance with all applicable requirements for this emission unit? (Yes/No)
HOP-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DTP-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HFL-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DUG-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DUN-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DWC-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DUQ3-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DUQ1-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Unit Description												
Emission Unit ID	Emission Unit Name	Control Device	Emission Unit Description	Manufacturer	Model Number	Serial Number	Construction Date	Installation Date	Modification Date(s)	Design Capacity	Maximum Hourly Throughput	Maximum Annual Throughput
DUQ2-S	BF Loading Station	0	Box Fluff Loading Station Continuous operation 24 hr/day, 7 days/week, 30 weeks/year					1970		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DUR-S	Fluff PackOut Transfer	DUR-P/DUR-C	Bulk Fluff Packout Transfer Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1970		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DUE-S	"A" PackOut Bin	0	"A" Packout Bin Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1961		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DUF-S	"B" PackOut Bin	0	"B" Packout Bin Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1961		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DUS-S	Central Vac System	DUS1-C/DUS2-C	Central Vac System Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				<1985		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DRL-S	Bulk Cube Railcar Loading	0	Bulk Cube Railcar Loading Semi-Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				<1988		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
GCA-S	#1 BF Stor. Silo F-Vent	DUW-C	#1 Bulk Fluff Storage Silo Filtered Vent Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1989		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
GCB-S	#2 BF Stor. Silo F-Vent	DUX-C	#2 Bulk Fluff Storage Silo Filtered Vent Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1989		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

				Fuel Usage Data									
Maximum Operating Schedule										Term of the Permit			
Emission Unit ID	Hours/Day	Days/Week	Weeks/Year	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	Type and Btu/hr Rating of Burners	List the Primary Fuel Type(s) and Secondary Fuel Type(s).	For Each Fuel Type Listed, Provide the Maximum Hourly and Annual Fuel Usage.	Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
DUQ2-S	24	7	30	No									
DUR-S	24	7	52	No									
DUE-S	24	7	52	No									
DUF-S	24	7	52	No									
DUS-S	24	7	52	No									
DRL-S	24	7	52	No									
GCA-S	24	7	52	No									
GCB-S	24	7	52	No									



**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Data										
Emission Unit ID	Criteria Pollutants	Potential Emissions		Hazardous Air Pollutants	Potential Emissions		Regulated Pollutants other than Criteria and HAP	Potential Emissions		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.).
		PPH	TPY		PPH	TPY		PPH	TPY	
DUQ2-S	PM10	4.45E-02	1.95E-01	Formaldehyde	2.97E-05	1.30E-04	Acetic Acid		0.00E+00	EE
	VOCs	1.04E-04	4.55E-04	Methanol		0.00E+00				
DUR-S	PM10	9.00E-04	3.59E-02	Formaldehyde	9.80E-04	9.82E-05	Acetic Acid		0.00E+00	MB
	VOCs	4.65E-03	4.65E-03	Methanol	1.90E-03	1.88E-03				
DUE-S	PM10	2.03E-03	8.89E-03	Formaldehyde	0.00E+00	0.00E+00	Acetic Acid		0.00E+00	EE
	VOCs	4.10E-04	1.80E-03	Methanol	0.00E+00	6.13E-04				
DUF-S	PM10	1.69E-03	7.40E-03	Formaldehyde	0.00E+00	0.00E+00	Acetic Acid		0.00E+00	EE
	VOCs	3.42E-04	1.50E-03	Methanol	0.00E+00	5.00E-04				
DUS-S	PM10	1.00E+00	2.00E-02	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	EE
	VOCs		0.00E+00	Methanol		0.00E+00				
DRL-S	PM10	3.99E-03	3.15E-04	Formaldehyde	1.11E-03	8.78E-05	Acetic Acid	0.00E+00	0.00E+00	
	VOCs	2.21E-01	1.75E-02	Methanol	8.71E-03	6.88E-04				
GCA-S	PM10	1.35E-08	5.91E-08	Formaldehyde	8.00E-08	3.50E-07	Acetic Acid		0.00E+00	EE
	VOCs	6.20E-07	2.72E-06	Methanol		0.00E+00				
GCB-S	PM10	1.35E-08	5.91E-08	Formaldehyde	8.00E-08	3.50E-07	Acetic Acid		0.00E+00	EE
	VOCs	6.20E-07	2.72E-06	Methanol		0.00E+00				

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Applicable Requirements		
		For all applicable requirements listed above, provide monitoring/testing/		
Emission Unit ID	List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.	Permit Shield	Monitoring	Recordkeeping
DUQ2-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUQ-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUQ-E. Method 9 opacity tests at associated emission point DUQ-E, if necessary.
DUR-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUR-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUR-E. Method 9 opacity tests at associated emission point DUR-E, if necessary.
DUE-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUR-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUR-E. Method 9 opacity tests at associated emission point DUR-E, if necessary.
DUF-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUR-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUR-E. Method 9 opacity tests at associated emission point DUR-E, if necessary.
DUS-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUS-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUS-E. Method 9 opacity tests at associated emission point DUS-E, if necessary.
DRL-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUS-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUS-E. Method 9 opacity tests at associated emission point DUS-E, if necessary.
GCA-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUW-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUW-E. Method 9 opacity tests at associated emission point DUW-E, if necessary.
GCB-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUX-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUX-E. Method 9 opacity tests at associated emission point DUX-E, if necessary.

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Recordkeeping/reporting which shall be used to demonstrate compliance.			
Emission Unit ID	Reporting	Testing	Are you in compliance with all applicable requirements for this emission unit? (Yes/No)
DUQ2-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DUR-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DUE-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DUF-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DUS-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DRL-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
GCA-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
GCB-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Unit Description												
Emission Unit ID	Emission Unit Name	Control Device	Emission Unit Description	Manufacturer	Model Number	Serial Number	Construction Date	Installation Date	Modification Date(s)	Design Capacity	Maximum Hourly Throughput	Maximum Annual Throughput
GCC-S	#3 BF Stor. Silo F-Vent	DUY-C	#3 Bulk Fluff Storage Silo Filtered Vent Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1989		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
GCD-S	#4 BF Stor. Silo F-Vent	DUZ-C	#4 Bulk Fluff Storage Silo Filtered Vent Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1989		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
HES-S	#5 BF Stor. Silo F-Vent	HES-C	#5 Bulk Fluff Storage Silo Filtered Vent Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1998		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
HET-S	#6 BF Stor. Silo F-Vent	HET-C	#6 Bulk Fluff Storage Silo Filtered Vent Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1998		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
DSS-S	SS Transfer Loop	DVA-P/DVA-C	SS Loop Conveyor	Custom made for DuPont				1988		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
DVO-S	North Bulk Fluff Truck PackOut Station	DVB-P/DVB-C	North Bulk Fluff Truck PackOut Station Batch 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1988		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
DVP-S	South Bulk Fluff Truck PackOut Station	0	South Bulk Fluff Truck PackOut Station Batch 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1988		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
DVL-S	North Load Out Silo	DVI-C	North Load Out Silo Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1989		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

				Fuel Usage Data									
Maximum Operating Schedule										Term of the Permit			
Emission Unit ID	Hours/Day	Days/Week	Weeks/Year	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	Type and Btu/hr Rating of Burners	List the Primary Fuel Type(s) and Secondary Fuel Type(s).	For Each Fuel Type Listed, Provide the Maximum Hourly and Annual Fuel Usage.	Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
GCC-S	24	7	52	No									
GCD-S	24	7	52	No									
HES-S	24	7	52	No									
HET-S	24	7	52	No									
DSS-S	24	7	52	No									
DVO-S	24	7	52	No									
DVP-S	24	7	52	No									
DVL-S	24	7	52	No									

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Data										
Emission Unit ID	Criteria Pollutants	Potential Emissions		Hazardous Air Pollutants	Potential Emissions		Regulated Pollutants other than Criteria and HAP	Potential Emissions		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.).
		PPH	TPY		PPH	TPY		PPH	TPY	
GCC-S	PM10	1.35E-08	5.91E-08	Formaldehyde	8.00E-08	3.50E-07	Acetic Acid		0.00E+00	EE
	VOCs	6.20E-07	2.72E-06	Methanol		0.00E+00				
GCD-S	PM10	1.35E-08	5.91E-08	Formaldehyde	8.00E-08	3.50E-07	Acetic Acid		0.00E+00	EE
	VOCs	6.20E-07	2.72E-06	Methanol		0.00E+00				
HES-S	PM10	1.35E-08	5.91E-08	Formaldehyde	8.00E-08	3.50E-07	Acetic Acid		0.00E+00	EE
	VOCs	6.20E-07	2.72E-06	Methanol		0.00E+00				
HET-S	PM10	1.35E-08	5.91E-08	Formaldehyde	8.00E-08	3.50E-07	Acetic Acid		0.00E+00	EE
	VOCs	6.20E-07	2.72E-06	Methanol		0.00E+00				
DSS-S	PM10	3.79E-04	5.38E-04	Formaldehyde	3.37E-02	7.38E-05	Acetic Acid		0.00E+00	
	VOCs	5.90E+00	1.29E-02	Methanol	6.46E-01	1.41E-03				
DVO-S	PM10	1.25E-02	4.32E-04	Formaldehyde	9.09E-04	3.14E-05	Acetic Acid		0.00E+00	MB
	VOCs	4.31E-03	1.49E-04	Methanol	1.74E-03	6.03E-05				
DVP-S	PM10	1.25E-02	4.32E-04	Formaldehyde	9.09E-04	3.14E-05	Acetic Acid		0.00E+00	MB
	VOCs	4.31E-03	1.49E-04	Methanol	1.74E-03	6.03E-05				
DVL-S	PM10	2.44E-06	1.07E-05	Formaldehyde	2.09E-04	9.15E-04	Acetic Acid		0.00E+00	MB
	VOCs	1.71E-03	7.47E-03	Methanol		0.00E+00				

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Applicable Requirements		
		For all applicable requirements listed above, provide monitoring/testing/		
Emission Unit ID	List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.	Permit Shield	Monitoring	Recordkeeping
GCC-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUY-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUY-E. Method 9 opacity tests at associated emission point DUY-E, if necessary.
GCD-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DUZ-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DUZ-E. Method 9 opacity tests at associated emission point DUZ-E, if necessary.
HES-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point HES-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point HES-E. Method 9 opacity tests at associated emission point HES-E, if necessary.
HET-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point HET-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point HET-E. Method 9 opacity tests at associated emission point HET-E, if necessary.
DSS-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DVA-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DVA-E. Method 9 opacity tests at associated emission point DVA-E, if necessary.
DVO-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DVB-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DVB-E. Method 9 opacity tests at associated emission point DVB-E, if necessary.
DVP-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DVB-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DVB-E. Method 9 opacity tests at associated emission point DVB-E, if necessary.
DVL-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DVI-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DVI-E. Method 9 opacity tests at associated emission point DVI-E, if necessary.

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Recordkeeping/reporting which shall be used to demonstrate compliance.			
Emission Unit ID	Reporting	Testing	Are you in compliance with all applicable requirements for this emission unit? (Yes/No)
GCC-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
GCD-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HES-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HET-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DSS-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DVO-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DVP-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DVL-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES



**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Unit Description												
Emission Unit ID	Emission Unit Name	Control Device	Emission Unit Description	Manufacturer	Model Number	Serial Number	Construction Date	Installation Date	Modification Date(s)	Design Capacity	Maximum Hourly Throughput	Maximum Annual Throughput
DVM-S	South Load Out Silo	DVJ-C	South Load Out Silo Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1989		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DVN-S	East D6 Sparger	None	East D6 Sparger Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				2004		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DWA-S	Vacuum Unloading	DWA-P	Vacuum Unloading Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1980's		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DWK-S	#4 Ext. Fines Screener	None	#4 Extruder Fines Screener Continuous operation 24 hr/day, 7 days/week, 52 weeks/year.					1971		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DSJ-S	#6 Ext. Dryer	None	#6 Extruder Dryer Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					2004		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DSK-S	#3 Ext. Dryer	None	# 3 Extruder Dryer Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1970		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DSL-S	#4 Ext. Dryer	None	#4 Extruder Dryer Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1971		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DSM-S	#5 Ext. Dryer	None	#5 Extruder Dryer Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1981		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
DQW-S	#4 Ext. Die Hood	None	#4 Extruder Die Hood Vent Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1971		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

				Fuel Usage Data									
Maximum Operating Schedule										Term of the Permit			
Emission Unit ID	Hours/Day	Days/Week	Weeks/Year	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	Type and Btu/hr Rating of Burners	List the Primary Fuel Type(s) and Secondary Fuel Type(s).	For Each Fuel Type Listed, Provide the Maximum Hourly and Annual Fuel Usage.	Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
DVM-S	24	7	52	No									
DVN-S	24	7	52	No									
DWA-S	24	7	52	No									
DWK-S	24	7	52	No									
DSJ-S	24	7	52	No									
DSK-S	24	7	52	No									
DSL-S	24	7	52	No									
DSM-S	24	7	52	No									
DQW-S	24	7	52	No									

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Emission Data								
		Potential Emissions			Potential Emissions			Potential Emissions		
Emission Unit ID	Criteria Pollutants	PPH	TPY	Hazardous Air Pollutants	PPH	TPY	Regulated Pollutants other than Criteria and HAP	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.).
DVM-S	PM10	2.44E-06	1.07E-05	Formaldehyde	2.09E-04	9.15E-04	Acetic Acid		0.00E+00	MB
	VOCs	1.71E-03	7.47E-03	Methanol		0.00E+00				
DVN-S	PM10	1.66E-02	5.61E-02	Formaldehyde	1.07E-02	3.61E-02	Acetic Acid		0.00E+00	MB
	VOCs	1.33E-02	4.49E-02	Methanol	1.27E-03	4.28E-03				
DWA-S	PM10	3.00E-04	1.10E-03	Formaldehyde	1.00E-04	4.38E-04	Acetic Acid		0.00E+00	MB
	VOCs	2.00E-04	8.76E-04	Methanol		0.00E+00				
DWK-S	PM10	1.63E-03	5.50E-03	Formaldehyde	2.42E-02	8.15E-02	Acetic Acid		0.00E+00	MB
	VOCs	2.42E-02	8.15E-02	Methanol		0.00E+00				
DSJ-S	PM10	6.76E-03	2.28E-02	Formaldehyde	4.06E-02	1.37E-01	Acetic Acid		0.00E+00	
	VOCs	4.20E-02	1.42E-01	Methanol	1.48E-03	4.99E-03				
DSK-S	PM10	6.71E-03	2.26E-02	Formaldehyde	4.03E-02	1.36E-01	Acetic Acid		0.00E+00	
	VOCs	4.17E-02	1.41E-01	Methanol	1.47E-03	4.95E-03				
DSL-S	PM10	3.32E-03	1.12E-02	Formaldehyde	1.99E-02	6.70E-02	Acetic Acid		0.00E+00	
	VOCs	2.71E-02	9.14E-02	Methanol	7.24E-03	2.44E-02				
DSM-S	PM10	4.77E-02	1.61E-01	Formaldehyde	2.72E-02	9.15E-02	Acetic Acid		0.00E+00	
	VOCs	2.96E-02	9.96E-02	Methanol	9.88E-04	3.33E-03				
DQW-S	PM10		0.00E+00	Formaldehyde	1.43E-04	4.82E-04	Acetic Acid		0.00E+00	
	VOCs	1.95E-04	6.57E-04	Methanol		0.00E+00				

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Applicable Requirements		
		For all applicable requirements listed above, provide monitoring/testing/		
Emission Unit ID	List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.	Permit Shield	Monitoring	Recordkeeping
DVM-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DVJ-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DVJ-E. Method 9 opacity tests at associated emission point DVJ-E, if necessary.
DVN-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DVN-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DVN-E. Method 9 opacity tests at associated emission point DVN-E, if necessary.
DWA-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DWA-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DWA-E. Method 9 opacity tests at associated emission point DWA-E, if necessary.
DWK-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DWK-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DWK-E. Method 9 opacity tests at associated emission point DWK-E, if necessary.
DSJ-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DWU-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DWU-E. Method 9 opacity tests at associated emission point DWU-E, if necessary.
DSK-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DWV-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DWV-E. Method 9 opacity tests at associated emission point DWV-E, if necessary.
DSL-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DWW-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DWW-E. Method 9 opacity tests at associated emission point DWW-E, if necessary.
DSM-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DWX-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DWX-E. Method 9 opacity tests at associated emission point DWX-E, if necessary.
DQW-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Recordkeeping/reporting which shall be used to demonstrate compliance.			
Emission Unit ID	Reporting	Testing	Are you in compliance with all applicable requirements for this emission unit? (Yes/No)
DVM-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DEV-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DWA-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DWK-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DSJ-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DSK-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DSL-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DSM-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DQW-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Unit Description												
Emission Unit ID	Emission Unit Name	Control Device	Emission Unit Description	Manufacturer	Model Number	Serial Number	Construction Date	Installation Date	Modification Date(s)	Design Capacity	Maximum Hourly Throughput	Maximum Annual Throughput
DWM-S	#5 Ext. Conc. Blower	DWD-P	#5 Extruder Concentrate Transfer System Semi-Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1981		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HEZ-S	#1 Ext. Conc. Transfer	HED-P	#1 Extruder Concentrator Transfer System Semi-continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1997		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HFX-S	#5 TPU Transfer	HEW-P	#5 Ext. TPU Transfer Semi - Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1991		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HFY-S	#1 Ext. TPU Bin/Charge Sys.	HDW-P, HDW-C	#1 Ext. TPU Transfer Semi - Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1997		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HCA-S	West D6 Sparger	None	West D6 Sparger Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				2004		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HGT-S	#1 Ext. Feed Hopper	HDW-C	#1 Extruder Feed Hopper Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1981		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HEM-S	#1 Ext. Side Feeder	0	#1 Extruder Die Hood Vent #1 Ext. Side Feeder Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1997		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HFG-S	#1 Ext. Conc. Blender	0	#1 Extruder Concentrate Feed Ribbon Blender Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1997		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

				Fuel Usage Data									
Maximum Operating Schedule										Term of the Permit			
Emission Unit ID	Hours/Day	Days/Week	Weeks/Year	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	Type and Btu/hr Rating of Burners	List the Primary Fuel Type(s) and Secondary Fuel Type(s).	For Each Fuel Type Listed, Provide the Maximum Hourly and Annual Fuel Usage.	Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
DWM-S	24	7	52	No									
HEZ-S	24	7	52	No									
HFX-S	24	7	52	No									
HFY-S	24	7	52	No									
HCA-S	24	7	52	No									
HGT-S	24	7	52	No									
HEM-S	24	7	52	No									
HFG-S	24	7	52	No									

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Data										
Emission Unit ID	Criteria Pollutants	Potential Emissions		Hazardous Air Pollutants	Potential Emissions		Regulated Pollutants other than Criteria and HAP	Potential Emissions		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.).
		PPH	TPY		PPH	TPY		PPH	TPY	
DWM-S	PM10		7.35E-01	Formaldehyde	6.33E-06	2.77E-05	Acetic Acid		0.00E+00	MB
	VOCs	3.00E-04	1.31E-03	Methanol	1.21E-04	5.32E-04				
HEZ-S	PM10	1.86E-02	8.13E-02	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	EE
	VOCs		0.00E+00	Methanol		0.00E+00				
HFX-S	PM10		0.00E+00	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	EE
	VOCs		0.00E+00	Methanol		0.00E+00				
HFY-S	PM10	2.37E-07	1.04E-06	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	EE
	VOCs		0.00E+00	Methanol		0.00E+00				
HCA-S	PM10	1.66E-02	5.61E-02	Formaldehyde	1.07E-02	3.61E-02	Acetic Acid		0.00E+00	EE
	VOCs	1.33E-02	4.49E-02	Methanol	1.27E-03	4.28E-03				
HGT-S	PM10	7.15E-06	2.41E-05	Formaldehyde	1.30E-04	4.38E-04	Acetic Acid		0.00E+00	EE
	VOCs	4.94E-04	1.66E-03	Methanol		0.00E+00				
HEM-S	PM10	4.23E-06	1.42E-05	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	EE
	VOCs		0.00E+00	Methanol		0.00E+00				
HFG-S	PM10	7.42E-06	3.25E-05	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	EE
	VOCs		0.00E+00	Methanol		0.00E+00				



**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Applicable Requirements		
		For all applicable requirements listed above, provide monitoring/testing/		
Emission Unit ID	List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.	Permit Shield	Monitoring	Recordkeeping
DWM-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DZG-E/DZI-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DZG-E/DZI-E. Method 9 opacity tests at associated emission point DZG-E/DZI-E, if necessary.
HEZ-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DZG-E/DZI-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DZG-E/DZI-E. Method 9 opacity tests at associated emission point DZG-E/DZI-E, if necessary.
HFX-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DZG-E/DZI-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DZG-E/DZI-E. Method 9 opacity tests at associated emission point DZG-E/DZI-E, if necessary.
HFY-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point DZG-E/DZI-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point DZG-E/DZI-E. Method 9 opacity tests at associated emission point DZG-E/DZI-E, if necessary.
HCA-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point HCA-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point HCA-E. Method 9 opacity tests at associated emission point HCA-E, if necessary.
HGT-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point HDW-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point HDW-E. Method 9 opacity tests at associated emission point HDW-E, if necessary.
HEM-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point HDW-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point HDW-E. Method 9 opacity tests at associated emission point HDW-E, if necessary.
HFG-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point HDW-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point HDW-E. Method 9 opacity tests at associated emission point HDW-E, if necessary.

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Recordkeeping/reporting which shall be used to demonstrate compliance.			
Emission Unit ID	Reporting	Testing	Are you in compliance with all applicable requirements for this emission unit? (Yes/No)
DWM-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HEZ-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HFX-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HFY-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HCA-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HGT-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HEM-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HFG-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Unit Description												
Emission Unit ID	Emission Unit Name	Control Device	Emission Unit Description	Manufacturer	Model Number	Serial Number	Construction Date	Installation Date	Modification Date(s)	Design Capacity	Maximum Hourly Throughput	Maximum Annual Throughput
HEY-S	#1 Ext. Dryer	None	#1 Extruder Dryer Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1997		CONFIDENTIAL	CONFIDENTIAL	CONF
HEB-S	#1 Ext. Screener	0	#1 Extruder Screener Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1997		CONFIDENTIAL	CONFIDENTIAL	CONF
HFD-S	D1 Sparger Cube Feed Conveyor	HEE-P	D1 Sparger Cube Feed Conveyor Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1997		CONFIDENTIAL	CONFIDENTIAL	CONF
HEE-S	#1 Snake Skin Stripper	HEF-C	# 1 Extruder Snakeskin Stripper Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					2005		CONFIDENTIAL	CONFIDENTIAL	CONF
HFH-S	#1 Ext. Cube Blender	HEO-C	#1 Extruder Cube Blender Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1997		CONFIDENTIAL	CONFIDENTIAL	CONF
HFJ-S	#1 Ext. Fluff Bin	None	#1 Extruder Fluff Feed Bin Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1997		CONFIDENTIAL	CONFIDENTIAL	CONF
HFP-S	#1 Ext. Black Conc. Conveyor	HFO-P	#1 Extruder BLACK Concentrate Transfer System Semi-batch operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1997		CONFIDENTIAL	CONFIDENTIAL	CONF
HFV-S	#1 Ext. Die Hood	None	#1 Extruder Die Hood Vent Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1997		CONFIDENTIAL	CONFIDENTIAL	CONF
HRB-S	CRB Transfer Loop	HRB-P/HRB-C	CRB Loop Conveyor	Custom made for DuPont				1960		CONFIDENTIAL	CONFIDENTIAL	CONF

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

				Fuel Usage Data									
Maximum Operating Schedule										Term of the Permit			
Emission Unit ID	Hours/Day	Days/Week	Weeks/Year	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	Type and Btu/hr Rating of Burners	List the Primary Fuel Type(s) and Secondary Fuel Type(s).	For Each Fuel Type Listed, Provide the Maximum Hourly and Annual Fuel Usage.	Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
HEY-S	24	7	52	No									
HEB-S	24	7	52	No									
HFD-S	24	7	52	No									
HEE-S	24	7	52	No									
HFH-S	24	7	52	No									
HFJ-S	24	7	52	No									
HFP-S	24	7	52	No									
HFV-S	24	7	52	No									
HRB-S	24	7	52	No									

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Data										
Emission Unit ID	Criteria Pollutants	Potential Emissions		Hazardous Air Pollutants	Potential Emissions		Regulated Pollutants other than Criteria and HAP	Potential Emissions		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.).
		PPH	TPY		PPH	TPY		PPH	TPY	
HEY-S	PM10	4.65E-03	1.57E-02	Formaldehyde	2.11E-03	7.09E-03	Acetic Acid		0.00E+00	EE
	VOCs	2.40E-03	8.09E-03	Methanol		0.00E+00				
HEB-S	PM10	7.89E-03	1.09E-02	Formaldehyde	2.61E-02	8.81E-02	Acetic Acid		0.00E+00	EE
	VOCs	4.05E-02	1.37E-01	Methanol	3.77E-03	1.27E-02				
HFD-S	PM10	8.64E-05	3.79E-04	Formaldehyde	3.91E-02	1.32E-01	Acetic Acid		0.00E+00	EE
	VOCs	4.21E-02	1.42E-01	Methanol		0.00E+00				
HEE-S	PM10	1.51E-05	2.98E-06	Formaldehyde	1.00E-04	4.38E-04	Acetic Acid		0.00E+00	EE
	VOCs	2.00E-04	8.76E-04	Methanol		0.00E+00				
HFH-S	PM10	7.20E-08	2.42E-07	Formaldehyde	7.16E-02	2.41E-01	Acetic Acid		0.00E+00	EE
	VOCs	1.20E-01	4.05E-01	Methanol		0.00E+00				
HFJ-S	PM10	1.32E-01	3.31E-02	Formaldehyde	1.97E-04	3.62E-05	Acetic Acid		0.00E+00	EE
	VOCs	9.32E-03	1.72E-03	Methanol	3.77E-03	6.95E-04				
HFP-S	PM10	1.86E-02	8.13E-02	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	EE
	VOCs		0.00E+00	Methanol		0.00E+00				
HFV-S	PM10		0.00E+00	Formaldehyde	1.43E-04	4.82E-04	Acetic Acid		0.00E+00	EE
	VOCs	3.38E-04	1.14E-03	Methanol		0.00E+00				
HRB-S	PM10	1.08E-03	1.15E-03	Formaldehyde	4.40E-02	9.63E-05	Acetic Acid		0.00E+00	EE
	VOCs	7.70E+00	1.69E-02	Methanol	8.43E-01	1.85E-03				

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Applicable Requirements		
		For all applicable requirements listed above, provide monitoring/testing/		
Emission Unit ID	List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.	Permit Shield	Monitoring	Recordkeeping
HEY-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point HDY-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point HDY-E. Method 9 opacity tests at associated emission point HDY-E, if necessary.
HEB-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point HDY-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point HDY-E. Method 9 opacity tests at associated emission point HDY-E, if necessary.
HFD-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point HEE-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point HEE-E. Method 9 opacity tests at associated emission point HEE-E, if necessary.
HEE-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point HEG-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point HEG-E. Method 9 opacity tests at associated emission point HEG-E, if necessary.
HFH-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point HEO-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point HEO-E. Method 9 opacity tests at associated emission point HEO-E, if necessary.
HFJ-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point HEQ-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point HEQ-E. Method 9 opacity tests at associated emission point HEQ-E, if necessary.
HFP-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point HFP-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point HFP-E. Method 9 opacity tests at associated emission point HFP-E, if necessary.
HFV-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HRB-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point HRB-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point HRB-E. Method 9 opacity tests at associated emission point HRB-E, if necessary.

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Recordkeeping/reporting which shall be used to demonstrate compliance.			
Emission Unit ID	Reporting	Testing	Are you in compliance with all applicable requirements for this emission unit? (Yes/No)
HEY-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HEB-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HFD-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HEE-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HFH-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HFJ-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HFP-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HFV-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HRB-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Unit Description												
Emission Unit ID	Emission Unit Name	Control Device	Emission Unit Description	Manufacturer	Model Number	Serial Number	Construction Date	Installation Date	Modification Date(s)	Design Capacity	Maximum Hourly Throughput	Maximum Annual Throughput
DWF-S	#5 Ext. Screener	None	#5 Extruder Screener Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1981		CONFIDENTIAL	CONFIDENTIAL	CONF
HGW-S	#5 Die Head Vent	None	# 5 Extruder Die Hood Vent Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1981		CONFIDENTIAL	CONFIDENTIAL	CONF
DOO-S	#6 Ext. Screw Conveyor	None	#6 Extruder Screw Conveyor Vent Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				2004		CONFIDENTIAL	CONFIDENTIAL	CONF
DQT-S	#4 Ext. Conc. Blender	None	#4 Extruder Concentrate Feed Blender Semi-batch operation 24 hr/day, 7 days/week, 52 weeks/year					1988		CONFIDENTIAL	CONFIDENTIAL	CONF
DRA-S	#3 Ext. Screw Conv.	None	#3 Extruder Screw Conveyor Vent Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1960		CONFIDENTIAL	CONFIDENTIAL	CONF
DRB-S	#4 Ext. Screw Conveyor	None	#4 Extruder Screw Conveyor Vent Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1972		CONFIDENTIAL	CONFIDENTIAL	CONF
DRD-S	#5 Ext. Screw Conveyor	None	Screw Conveyor Vent Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1981		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF



**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

				Fuel Usage Data									
Maximum Operating Schedule										Term of the Permit			
Emission Unit ID	Hours/Day	Days/Week	Weeks/Year	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	Type and Btu/hr Rating of Burners	List the Primary Fuel Type(s) and Secondary Fuel Type(s).	For Each Fuel Type Listed, Provide the Maximum Hourly and Annual Fuel Usage.	Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
DWF-S	24	7	52	No									
HGW-S	24	7	52	No									
DOO-S	24	7	52	No									
DQT-S	24	7	52	No									
DRA-S	24	7	52	No									
DRB-S	24	7	52	No									
DRD-S	24	7	52	No									

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Data										
Emission Unit ID	Criteria Pollutants	Potential Emissions		Hazardous Air Pollutants	Potential Emissions		Regulated Pollutants other than Criteria and HAP	Potential Emissions		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.).
		PPH	TPY		PPH	TPY		PPH	TPY	
DWF-S	PM10	1.63E-03	5.48E-03	Formaldehyde	1.32E-02	4.46E-02	Acetic Acid		0.00E+00	MB
	VOCs	1.52E-03	5.13E-03	Methanol		0.00E+00				
HGW-S	PM10	0.00E+00	0.00E+00	Formaldehyde	1.46E-04	4.92E-04	Acetic Acid		0.00E+00	EE
	VOCs	2.47E-04	8.32E-04	Methanol		0.00E+00				
DOO-S	PM10	9.36E-03	3.15E-02	Formaldehyde	1.30E-04	4.38E-04	Acetic Acid		0.00E+00	
	VOCs	5.98E-04	2.01E-03	Methanol		0.00E+00				
DOT-S	PM10	9.65E-06	3.25E-05	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	
	VOCs		0.00E+00	Methanol		0.00E+00				
DRA-S	PM10	7.15E-03	2.41E-02	Formaldehyde	1.30E-04	4.38E-04	Acetic Acid		0.00E+00	
	VOCs	4.55E-04	1.53E-03	Methanol		0.00E+00				
DRB-S	PM10	4.68E-08	2.41E-05	Formaldehyde	1.30E-04	4.38E-04	Acetic Acid		0.00E+00	
	VOCs	4.55E-04	1.53E-03	Methanol		0.00E+00				
DRD-S	PM10	2.60E-04	8.76E-04	Formaldehyde	1.30E-04	4.38E-04	Acetic Acid		0.00E+00	
	VOCs	5.20E-04	1.75E-03	Methanol	0.00E+00	0.00E+00				

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Applicable Requirements		
		For all applicable requirements listed above, provide monitoring/testing/		
Emission Unit ID	List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.	Permit Shield	Monitoring	Recordkeeping
DWF-S	See appendix.	Upon application submittal	Monthly visible emission observation monitoring at emission point HGW-E, with no more than 45 operating days between any observations. Method 9, six-minute opacity test, if excess visible emissions are not corrected within 72-hours.	Records of monthly visible emissions observations at associated emission point HGW-E. Method 9 opacity tests at associated emission point HGW-E, if necessary.
HGW-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DQO-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DQT-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DRA-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DRB-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DRD-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Recordkeeping/reporting which shall be used to demonstrate compliance.			
Emission Unit ID	Reporting	Testing	Are you in compliance with all applicable requirements for this emission unit? (Yes/No)
DWF-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HGW-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DOO-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DQT-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DRA-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DRB-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DRD-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Unit Description												
Emission Unit ID	Emission Unit Name	Control Device	Emission Unit Description	Manufacturer	Model Number	Serial Number	Construction Date	Installation Date	Modification Date(s)	Design Capacity	Maximum Hourly Throughput	Maximum Annual Throughput
DTD-S	#3 Ext. Add. Feeder	None	#3 Extruder Additive Feeder/Blender Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1989		CONFIDENTIAL	CONFIDENTIAL	CONF
DTQ-S	#6 Ext. Melt Cut. Tank	None	#6 Extruder Melt Cutter Tank Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				2004		CONFIDENTIAL	CONFIDENTIAL	CONF
DTR-S	#3 Ext. Melt Cut Tank	None	#3 Extruder Melt Cutter Tank Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1960		CONFIDENTIAL	CONFIDENTIAL	CONF
DTS-S	#4 Ext. Melt Cut. Tank	None	#4 Extruder Melt Cutter Tank Continuous Operation (24 hr/day, 7 days/wk, and 52 weeks/year)	Custom made for DuPont				1972		CONFIDENTIAL	CONFIDENTIAL	CONF
DTT-S	#5 Ext. Melt Cut Tank	None	#5 Extruder Melt Cutter Tank Continuous Operation (24 hr/day, 7 days/wk, and 52 weeks/year)	Custom made for DuPont				1981		CONFIDENTIAL	CONFIDENTIAL	CONF
DUO-S	#3 Ext. Net Wt. Hopper	None	#3 Extruder Net Weigh Hopper Continuous Operation 24 hr/day, 7 day/week, 52 weeks/year					1989		CONFIDENTIAL	CONFIDENTIAL	CONF
DWG-S	#6 Ext. Screener	None	#6 Extruder Screener Continuous Operation 24 hr/day, 7 day/week, 52 weeks/year					2004		CONFIDENTIAL	CONFIDENTIAL	CONF
DWH-S	#3 Ext. Screener	None	#3 Extruder Screener Continuous Operation 24 hr/day, 7 day/week, 52 weeks/year					1960		CONFIDENTIAL	CONFIDENTIAL	CONF
DWI-S	#6 Ext. Feed Hopper	None	#6 Extruder Feed Hopper Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				2004		CONFIDENTIAL	CONFIDENTIAL	CONF
DWJ-S	#4 Ext. Feed Hopper	None	#4 Extruder Feed Hopper Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1972		CONFIDENTIAL	CONFIDENTIAL	CONF
DWL-S	#4 Ext. Fines Drum	None	#4 Extruder Off-Grade Box Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	disposable item				1972		CONFIDENTIAL	CONFIDENTIAL	CONF

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

				Fuel Usage Data									
Maximum Operating Schedule										Term of the Permit			
Emission Unit ID	Hours/Day	Days/Week	Weeks/Year	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	Type and Btu/hr Rating of Burners	List the Primary Fuel Type(s) and Secondary Fuel Type(s).	For Each Fuel Type Listed, Provide the Maximum Hourly and Annual Fuel Usage.	Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
DTD-S	24	7	52	No									
DTQ-S	24	7	52	No									
DTR-S	24	7	52	No									
DTS-S	24	7	52	No									
DTT-S	24	7	52	No									
DUO-S	24	7	52	No									
DWG-S	24	7	52	No									
DWH-S	24	7	52	No									
DWI-S	24	7	52	No									
DWJ-S	24	7	52	No									
DWL-S	24	7	52	No									

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Emission Data								
		Potential Emissions			Potential Emissions			Potential Emissions		
Emission Unit ID	Criteria Pollutants	PPH	TPY	Hazardous Air Pollutants	PPH	TPY	Regulated Pollutants other than Criteria and HAP	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.).
DTD-S	PM10	5.50E-06	2.41E-05	Formaldehyde	1.00E-04	4.38E-04	Acetic Acid		0.00E+00	
	VOCs	3.50E-04	1.53E-03	Methanol		0.00E+00				
DTQ-S	PM10		0.00E+00	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	MB
	VOCs	3.74E-04	1.26E-03	Methanol		0.00E+00				
DTR-S	PM10		0.00E+00	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	MB
	VOCs	3.77E-04	1.27E-03	Methanol		0.00E+00				
DTS-S	PM10		0.00E+00	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	MB
	VOCs	3.77E-04	1.27E-03	Methanol		0.00E+00				
DTT-S	PM10		0.00E+00	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	MB
	VOCs	3.77E-04	1.27E-03	Methanol		0.00E+00				
DUO-S	PM10	8.67E-03	0.00E+00	Formaldehyde	1.30E-04	4.38E-04	Acetic Acid		0.00E+00	EE
	VOCs	5.20E-04	1.75E-03	Methanol		0.00E+00				
DWG-S	PM10	1.30E-01	4.38E-01	Formaldehyde	1.26E-01	4.25E-01	Acetic Acid		0.00E+00	MB
	VOCs	1.26E-01	4.25E-01	Methanol	0.00E+00	0.00E+00				
DWH-S	PM10	9.10E-03	3.07E-02	Formaldehyde	1.26E-01	4.25E-01	Acetic Acid		0.00E+00	MB
	VOCs	1.26E-01	4.25E-01	Methanol	0.00E+00	0.00E+00				
DWI-S	PM10	7.15E-06	2.41E-05	Formaldehyde	1.30E-04	4.38E-04	Acetic Acid		0.00E+00	MB
	VOCs	4.55E-04	1.53E-03	Methanol		0.00E+00				
DWJ-S	PM10	7.15E-06	2.41E-05	Formaldehyde	1.30E-04	4.38E-04	Acetic Acid		0.00E+00	MB
	VOCs	4.55E-04	1.53E-03	Methanol		0.00E+00				
DWL-S	PM10		0.00E+00	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	MB
	VOCs		0.00E+00	Methanol		0.00E+00				

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Applicable Requirements		
		For all applicable requirements listed above, provide monitoring/testing/		
Emission Unit ID	List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.	Permit Shield	Monitoring	Recordkeeping
DTD-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DTQ-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DTR-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DTS-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DTT-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DUO-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DWG-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DWH-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DWI-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DWJ-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
DWL-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed



**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Recordkeeping/reporting which shall be used to demonstrate compliance.			
Emission Unit ID	Reporting	Testing	Are you in compliance with all applicable requirements for this emission unit? (Yes/No)
DTD-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DTQ-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DTR-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DTS-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DTT-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DUO-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DWG-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DWH-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DWL-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DWJ-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
DWL-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Unit Description												
Emission Unit ID	Emission Unit Name	Control Device	Emission Unit Description	Manufacturer	Model Number	Serial Number	Construction Date	Installation Date	Modification Date(s)	Design Capacity	Maximum Hourly Throughput	Maximum Annual Throughput
DWP-S	#5 Ext. Mix Conveyor	None	#5 Extruder Mix Conveyor Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1981		CONFIDENTIAL	CONFIDENTIAL	CONF
HCU-S	#5 Ext. Add. Feeder	None	#5 Extruder Additive Feeder Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1981		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HCV-S	#5 Ext. Blender Valve	None	#5 Extruder Blender Feed Valve Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1981		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HCY-S	#5 Ext. Wax Feeder	None	#5 Extruder Wax Feeder Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1981		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HDZ-S	#1 Ext. Melt Cut. Tank	None	#1 Extruder Melt Cutter Tank Continuous Operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1997		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HEA-S	#1 Ext. Wax Feeder	None	#1 Extruder Wax Feeder Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1997		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HED-S	#1 Ext. Screw Conveyor	None	#1 Extruder Screw Conveyor Vent Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1997		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HFQ-S	#1 Ext. Net Wt. Hopper	None	#1 Extruder Net Weight Hopper Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1997		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HFW-S	#1 Ext. Screener Waste Drum	None	#1 Extruder Screener Waste Drum Continuous Operation 24 hr/day, 7 days/week, 52 weeks/year	disposable item				1997		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HGB-S	#5 Ext. Feed Hopper	None	#5 Extruder Feed Hopper Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	Custom made for DuPont				1981		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
HGD-S	#5 Ext. Longs Drum	None	#5 Extruder Longs Drum Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	disposable item				1981		CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF
										CONFIDENTIAL	CONFIDENTIAL	CONF

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

				Fuel Usage Data									
Maximum Operating Schedule										Term of the Permit			
Emission Unit ID	Hours/Day	Days/Week	Weeks/Year	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	Type and Btu/hr Rating of Burners	List the Primary Fuel Type(s) and Secondary Fuel Type(s).	For Each Fuel Type Listed, Provide the Maximum Hourly and Annual Fuel Usage.	Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
DWP-S	24	7	52	No									
HCU-S	24	7	52	No									
HCV-S	24	7	52	No									
HCY-S	24	7	52	No									
HDZ-S	24	7	52	No									
HEA-S	24	7	52	No									
HED-S	24	7	52	No									
HFQ-S	24	7	52	No									
HFW-S	24	7	52	No									
HGB-S	24	7	52	No									
HGD-S	24	7	52	No									

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Emission Data								
		Potential Emissions			Potential Emissions			Potential Emissions		
Emission Unit ID	Criteria Pollutants	PPH	TPY	Hazardous Air Pollutants	PPH	TPY	Regulated Pollutants other than Criteria and HAP	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.).
DWP-S	PM10	2.60E-04	8.76E-04	Formaldehyde	1.30E-04	4.38E-04	Acetic Acid		0.00E+00	MB
	VOCs	5.20E-04	1.75E-03	Methanol		0.00E+00				
HCU-S	PM10	0	3.83E-05	Formaldehyde	0	0.00E+00	Acetic Acid	0	0.00E+00	EE
	VOCs	0	0.00E+00	Methanol	0	0.00E+00				
HCV-S	PM10	0	4.38E-04	Formaldehyde	0	4.38E-04	Acetic Acid	0	0.00E+00	EE
	VOCs	0	1.75E-03	Methanol	0	0.00E+00				
HCY-S	PM10	8.75E-06	3.83E-05	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	EE
	VOCs	0.00E+00	0.00E+00	Methanol	0.00E+00	0.00E+00				
HDZ-S	PM10		0.00E+00	Formaldehyde	1.64E-03	5.52E-03	Acetic Acid		0.00E+00	EE
	VOCs	3.77E-04	1.27E-03	Methanol		0.00E+00				
HEA-S	PM10	1.00E-06	4.38E-06	Formaldehyde	1.00E-04	4.38E-04	Acetic Acid		0.00E+00	EE
	VOCs	4.00E-04	1.75E-03	Methanol		0.00E+00				
HED-S	PM10	9.36E-06	3.15E-05	Formaldehyde	1.30E-04	4.38E-04	Acetic Acid		0.00E+00	EE
	VOCs	5.98E-04	2.01E-03	Methanol		0.00E+00				
HFQ-S	PM10	7.15E-06	2.41E-05	Formaldehyde	1.30E-04	5.69E-04	Acetic Acid		0.00E+00	EE
	VOCs	4.55E-04	1.99E-03	Methanol		0.00E+00				
HFW-S	PM10	9.10E-04	3.07E-03	Formaldehyde	1.30E-04	4.38E-04	Acetic Acid		0.00E+00	EE
	VOCs	5.20E-04	1.75E-03	Methanol		0.00E+00				
HGB-S	PM10	7.15E-06	2.41E-05	Formaldehyde	1.30E-04	4.38E-04	Acetic Acid		0.00E+00	EE
	VOCs	4.94E-04	1.67E-03	Methanol	0.00E+00	0.00E+00				
HGD-S	PM10	9.10E-04	3.07E-03	Formaldehyde	1.30E-04	4.38E-04	Acetic Acid		0.00E+00	EE
	VOCs	5.20E-04	1.75E-03	Methanol		0.00E+00				

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Applicable Requirements		
		For all applicable requirements listed above, provide monitoring/testing/		
Emission Unit ID	List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.	Permit Shield	Monitoring	Recordkeeping
DWP-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HCU-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HCV-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HCV-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HDZ-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HEA-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HED-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HFQ-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HFW-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HGB-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HGD-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Recordkeeping/reporting which shall be used to demonstrate compliance.			
Emission Unit ID	Reporting	Testing	Are you in compliance with all applicable requirements for this emission unit? (Yes/No)
DWP-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HCU-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HCV-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HCY-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HDZ-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HEA-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HED-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HFQ-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HFV-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HGB-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HGD-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Unit Description												
Emission Unit ID	Emission Unit Name	Control Device	Emission Unit Description	Manufacturer	Model Number	Serial Number	Construction Date	Installation Date	Modification Date(s)	Design Capacity	Maximum Hourly Throughput	Maximum Annual Throughput
HGF-S	#4 Ext. Wax Feeder	None	#4 Extruder Wax Feeder Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1972		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
HGG-S	#4 Ext. Add. Feeder	None	#4 Extruder Additive Feeder Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1972		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
HGK-S	#6 Ext. Screener Box	None	#6 Extruder Screener Box Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	disposable item				2004		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
HGL-S	#3 Ext. Fines Box	None	#3 Screener Fines Box Continuous operation 24 hr/day, 7 days/week, 52 weeks/year	disposable item				1960		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
HGO-S	#6 Ext. Wax Feeder	None	#6 Extruder Wax Feeder Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					2004		CONDIFENTIAL	CONDIFENTIAL	CONF
										CONDIFENTIAL	CONDIFENTIAL	CONF
HGP-S	#3 Ext. Wax Feeder	None	#3 Extruder Wax Feeder Continuous operation 24 hr/day, 7 days/week, 52 weeks/year					1989		CONDIFENTIAL	CONDIFENTIAL	CONF

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

				Fuel Usage Data									
Maximum Operating Schedule										Term of the Permit			
Emission Unit ID	Hours/Day	Days/Week	Weeks/Year	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	Type and Btu/hr Rating of Burners	List the Primary Fuel Type(s) and Secondary Fuel Type(s).	For Each Fuel Type Listed, Provide the Maximum Hourly and Annual Fuel Usage.	Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
HGF-S	24	7	52	No									
HGG-S	24	7	52	No									
HGK-S	24	7	52	No									
HGL-S	24	7	52	Yes									
HGO-S	24	7	52	No									
HGP-S	24	7	52	No									



**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Emission Data										
Emission Unit ID	Criteria Pollutants	Potential Emissions		Hazardous Air Pollutants	Potential Emissions		Regulated Pollutants other than Criteria and HAP	Potential Emissions		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.).
		PPH	TPY		PPH	TPY		PPH	TPY	
HGF-S	PM10	5.50E-07	2.41E-06	Formaldehyde	3.50E-04	1.99E-03	Acetic Acid		0.00E+00	EE
	VOCs	1.00E-04	5.69E-04	Methanol	0.00E+00	0.00E+00				
HGG-S	PM10	7.00E-07	3.07E-06	Formaldehyde	1.00E-04	4.38E-04	Acetic Acid		0.00E+00	EE
	VOCs	1.00E-04	4.38E-04	Methanol		0.00E+00				
HGK-S	PM10	9.10E-04	3.07E-03	Formaldehyde	1.30E-04	4.38E-04	Acetic Acid		0.00E+00	EE
	VOCs	5.20E-04	1.75E-03	Methanol		0.00E+00				
HGL-S	PM10	9.10E-04	0.00E+00	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	EE
	VOCs		0.00E+00	Methanol		0.00E+00				
HGO-S	PM10	5.50E-07	2.41E-06	Formaldehyde		0.00E+00	Acetic Acid		0.00E+00	EE
	VOCs		0.00E+00	Methanol		0.00E+00				
HGP-S	PM10	5.50E-06	2.41E-05	Formaldehyde	1.00E-04	4.38E-04	Acetic Acid		0.00E+00	EE
	VOCs	3.50E-04	1.53E-03	Methanol		0.00E+00				

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

		Applicable Requirements		
		For all applicable requirements listed above, provide monitoring/testing/		
Emission Unit ID	List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.	Permit Shield	Monitoring	Recordkeeping
HGF-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HGG-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HGK-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HGL-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HGO-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed
HGP-S	See appendix.	Upon application submittal	No specific monitoring is proposed.	No specific recordkeeping proposed

**WVDEP R30 Title V Renewal  
Form E - Emission Unit Form**

Recordkeeping/reporting which shall be used to demonstrate compliance.			
Emission Unit ID	Reporting	Testing	Are you in compliance with all applicable requirements for this emission unit? (Yes/No)
HGF-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HGG-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HGK-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HGL-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HGO-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES
HGP-S	No reporting requirements unless specifically requested by the Director	No testing requirement unless specifically requested by the Director.	YES

# **ATTACHMENT G**

## **Air Pollution Control Device Forms**

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DAGC	<b>List all emission units associated with this control device.</b> DABS/DACS, DAES, DAFS, DAHS, DBOS, HAKS, HALS, HAMS	
<b>Manufacturer:</b> Custom Built by Adaibra, S.A.	<b>Model number:</b> N/A	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Formaldehyde	100%	90%
Methanol	100%	90%
Formic Acid	100%	90%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b> Gas Flow Rate – 1 ACFM @ 160 F and 15.1 psia Liquor Flow Rate – 15 gal/min		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Continuous compliance monitoring is already specified by SOCMI HON requirements.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>  See WV Regulation 13 construction permit # 1596D		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DBJC	<b>List all emission units associated with this control device.</b> DAQS, DARS, DASS, DBHS/DBIS, HAOS, HAPS, HAQS	
<b>Manufacturer:</b> Perstorp/Formox	<b>Model number:</b>	<b>Installation date:</b> MM/DD/YYYY
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Carbon Monoxide	100%	98%
Formaldehyde	100%	98%
Methanol	100%	98%
Dimethyl Ether	100%	98%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b> Operating Temp – 482-932 F Retention Time – 2.1 sec		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>If Yes, Complete ATTACHMENT H</b> If No, Provide justification. Continuous compliance monitoring is already specified by SOCMI HON requirements.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>   <div style="text-align: center;">See WV Regulation 13 construction permit # 1596D</div>		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DBKC	<b>List all emission units associated with this control device.</b> DBKS	
<b>Manufacturer:</b> DuPont Custom Design	<b>Model number:</b> BPF-288014	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
VOC	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>  See WV Regulation 13 construction permit # 1596D		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> HTAC	<b>List all emission units associated with this control device.</b> HTAS	
<b>Manufacturer:</b> HiVac	<b>Model number:</b> 230	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
VOC	100%	99%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b> Gas Flow Rate – 244 ACFM @ 70 F and 14.7 psia Total Cloth Area – 111 ft <sup>2</sup> Shaker		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>  See WV Regulation 13 construction permit # 1596D		



<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DABC	<b>List all emission units associated with this control device. DABS</b>	
<b>Manufacturer:</b> N/A	<b>Model number:</b> N/A	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Other (describe) <u>Floating Roof</u></div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
VOC	100%	
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Continuous compliance monitoring is already specified by SOCMI HON requirements.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>  See WV Regulation 13 construction permit # 1596D		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DACC	<b>List all emission units associated with this control device. DACS</b>	
<b>Manufacturer:</b> N/A	<b>Model number:</b> N/A	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Other (describe) <u>Floating Roof</u></div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
VOC	100%	
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions Continuous compliance monitoring is already specified by SOCMI HON requirements.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>  See WV Regulation 13 construction permit # 1596D		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DANC	<b>List all emission units associated with this control device.</b> DANC	
<b>Manufacturer:</b> N/A	<b>Model number:</b> N/A	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Other (describe) <u>Mist Eliminator</u></div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
VOC	100%	
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>  See WV Regulation 13 construction permit # 1596D		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> HZZC	<b>List all emission units associated with this control device.</b> DAL, DEA, DFE, DCA, DCF, DCG, DDW, DMH, GBU, DDJ, DDL, DDS, DDZ, DEP, DEU, DEW, DEZ, DFA, DFB, DGQ, DGR, DGV, DGX, DHS, DIC, DIE, DIF, DJO, DJP, DJR, DJT, DJU, DJV, DJW, DLM, DLR, DMM, DMQ, DMR, DMX, DMY, DOC, DOD, DOG, DON, DOO, DOP, DOQ, DOX, DPH, DPL, DPM, DPP, GAA, GAB, GAC, GAN, GAO, GAZ, GBA, HAA, HAB, HAF, HAH, HBA, HBJ, HBK, HBM, DDX, DGS, DJQ	
<b>Manufacturer:</b> John Zink	<b>Model number:</b> ZTOF	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
VOC	100%	99%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b> Combustion Chamber Diameter – 9 ft Combustion Chamber Length – 60 ft Retention Time – 0.5 seconds		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Continuous compliance monitoring is already specified by Acetal MACT requirements		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>  See WV Regulation 13 construction permit # 1849G		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DOMC	<b>List all emission units associated with this control device.</b> DAL, DEA, DFE, DCA, DCF, DCG, DDW, DMH, GBU, DDJ, DDL, DDS, DDZ, DEP, DEU, DEW, DEZ, DFA, DFB, DGQ, DGR, DGV, DGX, DHS, DIC, DIE, DIF, DJO, DJP, DJR, DJT, DJU, DJV, DJW, DLM, DLR, DMM, DMQ, DMR, DMX, DMY, DOC, DOD, DOG, DON, DOO, DOP, DOQ, DOX, DPH, DPL, DPM, DPP, GAA, GAB, GAC, GAN, GAO, GAZ, GBA, HAA, HAB, HAF, HAH, HBA, HBJ, HBK, HBM, DDX, DGS, DJQ	
<b>Manufacturer:</b> Process Combustion Corp	<b>Model number:</b> N/A	<b>Installation date:</b> 2000
<b>Type of Air Pollution Control Device:</b> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Volatile Organic Compounds	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b> Temperature >850 C		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Continuous compliance monitoring is already specified by Acetal MACT requirements.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>  See WV Regulation 13 construction permit # 1849G		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DINC	<b>List all emission units associated with this control device. DINS</b>	
<b>Manufacturer:</b> Helex Div. of A.C. Knox Inc.	<b>Model number:</b> B-50 VOC Vent Trap	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Methanol	100%	95.1%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b> Coolant Temp – 20 C		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b> See WV Regulation 13 construction permit # 1849G		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DMLC	<b>List all emission units associated with this control device. DMLC</b>	
<b>Manufacturer:</b> Southern Heat Exchanger Corp.	<b>Model number:</b> BPF-294602	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Acetic Anhydride	100%	97.4%
Acetic Acid	100%	96.5%
MDA	100%	98.5%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>  See WV Regulation 13 construction permit # 1849G		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> GZZC	<b>List all emission units associated with this control device.</b> GZZS	
<b>Manufacturer:</b> Custom Built	<b>Model number:</b> N/A	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Acetic Acid	100%	99.9%
Acetic Anhydride	100%	99.99%
Formaldehyde	100%	99.5%
Heptane	100%	55%
Hexane	100%	65%
Toluene	100%	65%
MDA	100%	99.99%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b> Gas Flowrate – 700 ACFM @ 212 F and 25.7 psia		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		



Describe the parameters monitored and/or methods used to indicate performance of this control device.

See WV Regulation 13 construction permit # 1849G

### ATTACHMENT G - Air Pollution Control Device Form

**Control device ID number:**

DCMC

**List all emission units associated with this control device.**

DCH, DCI, DCJ

**Manufacturer:**

**Model number:**

**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
<u>VOC</u>	100%	

**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.

See WV Regulation 13 construction permit # 1849G

### ATTACHMENT G - Air Pollution Control Device Form

**Control device ID number:**  
DHTC1

**List all emission units associated with this control device.**  
GADS, GAES, GAFS

**Manufacturer:**  
Custom Design

**Model number:** N/A

**Installation date:**

**Type of Air Pollution Control Device:**

<input type="checkbox"/> Baghouse/Fabric Filter	<input type="checkbox"/> Venturi Scrubber	<input type="checkbox"/> Multiclone
<input type="checkbox"/> Carbon Bed Adsorber	<input type="checkbox"/> Packed Tower Scrubber	<input type="checkbox"/> Single Cyclone
<input type="checkbox"/> Carbon Drum(s)	<input type="checkbox"/> Other Wet Scrubber	<input type="checkbox"/> Cyclone Bank
<input type="checkbox"/> Catalytic Incinerator	<input checked="" type="checkbox"/> Condenser	<input type="checkbox"/> Settling Chamber
<input type="checkbox"/> Thermal Incinerator	<input type="checkbox"/> Flare	<input type="checkbox"/> Other (describe) _____
<input type="checkbox"/> Wet Plate Electrostatic Precipitator		<input type="checkbox"/> 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
Heptane	100%	76%
Hexane	100%	76%
Toluene	100%	36%
Formaldehyde	100%	99.98%

**Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).**

Inlet Gas Velocity 261 ft/sec  
Gas Flow 1362 ACFM @ 212 F and 24.7 psia

**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.**

See WV Regulation 13 construction permit # 1849G

### ATTACHMENT G - Air Pollution Control Device Form

**Control device ID number:**  
DHTC2

**List all emission units associated with this control device.**  
GADS, GAES, GAFS

**Manufacturer:**  
Custom Design

**Model number:** N/A

**Installation date:**

**Type of Air Pollution Control Device:**

<input type="checkbox"/> Baghouse/Fabric Filter	<input type="checkbox"/> Venturi Scrubber	<input type="checkbox"/> Multiclone
<input type="checkbox"/> Carbon Bed Adsorber	<input type="checkbox"/> Packed Tower Scrubber	<input type="checkbox"/> Single Cyclone
<input type="checkbox"/> Carbon Drum(s)	<input type="checkbox"/> Other Wet Scrubber	<input type="checkbox"/> Cyclone Bank
<input type="checkbox"/> Catalytic Incinerator	<input checked="" type="checkbox"/> Condenser	<input type="checkbox"/> Settling Chamber
<input type="checkbox"/> Thermal Incinerator	<input type="checkbox"/> Flare	<input type="checkbox"/> Other (describe) _____
<input type="checkbox"/> Wet Plate Electrostatic Precipitator	<input type="checkbox"/> 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
Heptane	100%	76%
Hexane	100%	76%
Toluene	100%	36%
Formaldehyde	100%	99.98%

**Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).**

Inlet Gas Velocity 261 ft/sec  
Gas Flow 1362 ACFM @ 212 F and 24.7 psia

**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.**

See WV Regulation 13 construction permit # 1849G

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DEM-OH	<b>List all emission units associated with this control device.</b>	
<b>Manufacturer:</b> Custom Design	<b>Model number:</b> N/A	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 1849G		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DQCC	<b>List all emission units associated with this control device.</b> DCRS, DQHS, DQIS, DQJS, DQPS, DQQS, DQTS, DRBS, DSYS, DTDS, DTES, DWIS, DWJS, DWQS, DWRS, HCOS, HFUS, HGFS, HGGS, HGHS, HGIS, HGOS, HGPS	
<b>Manufacturer:</b> Pulverizing Machinery Company, Mikro-Pulsaire Collector	<b>Model number:</b> Model 48-6	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b> Gas Flow Rate – 2500 ACFM @ 90 F and 14.9 psia Total Cloth Area – 339 ft <sup>2</sup> Reverse Jet Stabilized static pressure 3 inches of water		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>  See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DQGC	<b>List all emission units associated with this control device.</b> DQHS, DQIS, DQJS, DQPS, DQQS, DQTS, DRBS, DSYS, DTDS, DTES, DWIS, DWJS, DWQS, DWRS, HCOS, HFUS, HGFS, HGGS, HGHS, HGIS, HGOS, HGPS	
<b>Manufacturer:</b> Airodyne Machine Co	<b>Model number:</b> Model 14024-8	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b> Gas Flow Rate – 4835 ACFM @ 90 F and 14.9 psia Total Cloth Area – 778 ft <sup>2</sup> Reverse Jet Stabilized static pressure 3 inches of water		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>  See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DZBC	<b>List all emission units associated with this control device.</b> DWCS, DUIS, DUES, DUFS, DQUSS, DWGS	
<b>Manufacturer:</b> Griffith	<b>Model number:</b>	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>  Gas Flow Rate – 2200 ACFM @ 180 F and 14.9 psia Total Cloth Area – 778 ft <sup>2</sup> Reverse Jet Stabilized static pressure 3 inches of water		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>  See WV Regulation 13 construction permit # 2381F		



<b>ATTACHMENT G - Air Pollution Control Device Form</b>																	
<b>Control device ID number:</b> DUQC	<b>List all emission units associated with this control device.</b> DUQ1S, DUQ2S, DUQ3S																
<b>Manufacturer:</b> TORIT Filter	<b>Model number:</b> TD486H5	<b>Installation date:</b>															
<b>Type of Air Pollution Control Device:</b> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>																	
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <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</td> <td>100%</td> <td>99.9%</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	100%	99.9%									
Pollutant	Capture Efficiency	Control Efficiency															
Particulate	100%	99.9%															
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b> Gas Flow Rate – 1000 ACFM @ 75 F and 14.6 psia																	
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.																	
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b> See WV Regulation 13 construction permit # 2381F																	

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DTZC	<b>List all emission units associated with this control device.</b> DQLS, DRDS, DWES, DWPS, HCUS, HCVS, HCXS, HCYS, HCZS, HDGS, HFBS, HFCS, HGBS, DWCS,	
<b>Manufacturer:</b> Young Industries	<b>Model number:</b> 81-VM Style 1AD	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.95%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 5000 ACFM @ 90 F and 14.7 psia Total Cloth Area – 784 ft <sup>2</sup> Pulse Jet Stabilized static pressure 6 inches of water		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> HDWC	<b>List all emission units associated with this control device.</b> HEAS, HEDS, HEMS, HERS, HFFS, HFGS, HFQS, HGTS	
<b>Manufacturer:</b> TORIT Inc.	<b>Model number:</b> #2DF8	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.999%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 2000 ACFM @ 80 F and 14.9 psia Total Cloth Area – 2032 ft <sup>2</sup> Pulse Jet Stabilized static pressure 3-5 inches of water		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> HEOC	<b>List all emission units associated with this control device. HFHS</b>	
<b>Manufacturer:</b> TORIT Inc.	<b>Model number:</b> #BEV2255	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.999%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 1000 ACFM @ 80 F and 14.9 psia Total Cloth Area – 904 ft <sup>2</sup> Pulse Jet Stabilized static pressure 3-5 inches of water		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DUWC	<b>List all emission units associated with this control device. GCAS</b>	
<b>Manufacturer:</b> Ultra Industries	<b>Model number:</b> BB-9-36-110	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 600 ACFM @ 100 F and 19.0 psia Total Cloth Area – 95 ft <sup>2</sup> Stabilized static pressure 3 inches of water		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DUXC	<b>List all emission units associated with this control device. GCBS</b>	
<b>Manufacturer:</b> Ultra Industries	<b>Model number:</b> BB-9-36-110	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 600 ACFM @ 100 F and 19.0 psia Total Cloth Area – 95 ft <sup>2</sup> Stabilized static pressure 3 inches of water		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DUYC	<b>List all emission units associated with this control device. GCCS</b>	
<b>Manufacturer:</b> Ultra Industries	<b>Model number:</b> BB-9-36-110	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 600 ACFM @ 100 F and 19.0 psia Total Cloth Area – 95 ft <sup>2</sup> Stabilized static pressure 3 inches of water		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DUZC	<b>List all emission units associated with this control device. GCDS</b>	
<b>Manufacturer:</b> Ultra Industries	<b>Model number:</b> BB-9-36-110	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 600 ACFM @ 100 F and 19.0 psia Total Cloth Area – 95 ft <sup>2</sup> Stabilized static pressure 3 inches of water		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		



<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> HESC	<b>List all emission units associated with this control device.</b> HESS	
<b>Manufacturer:</b> Sparks	<b>Model number:</b> F22-0008-FF120	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>  Gas Flow Rate – 600 ACFM @ 100 F and 19.0 psia		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>  See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> HETC	<b>List all emission units associated with this control device. HETS</b>	
<b>Manufacturer:</b> Sparks	<b>Model number:</b> F22-0008-FF120	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 600 ACFM @ 100 F and 19.0 psia		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If Yes, <b>Complete ATTACHMENT H</b>		
If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DUKC	<b>List all emission units associated with this control device.</b> DTPS, DUGS, DUNS, DUOS, HCIS, HFLS, DUIS, DUES, DUFS	
<b>Manufacturer:</b> FlexKleen	<b>Model number:</b> 84-BVC-6 (III)	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 2200 ACFM @ 120 F and 14.2 psia Total Cloth Area – 379.2 ft <sup>2</sup> Stabilized static pressure 1-8 inches of water Pulse Jet		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DVAC	<b>List all emission units associated with this control device.</b> DVCS, DVDS, DVES, DVFS, HEUS, HEVS	
<b>Manufacturer:</b> Ultra Industries	<b>Model number:</b> CB65-100 Arrangement III	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 2400 ACFM @ 100 F and 22.7 psia Total Cloth Area – 826 ft <sup>2</sup> Stabilized static pressure 3-5 inches of water Pulse Jet		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>																	
<b>Control device ID number:</b> DVIC	<b>List all emission units associated with this control device. DVLS</b>																
<b>Manufacturer:</b> FlexKleen	<b>Model number:</b> 84-BVC-6 (III)	<b>Installation date:</b>															
<b>Type of Air Pollution Control Device:</b> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>																	
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <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</td> <td>100%</td> <td>99.9%</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	100%	99.9%									
Pollutant	Capture Efficiency	Control Efficiency															
Particulate	100%	99.9%															
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>  Gas Flow Rate – 600 ACFM @ 100 F and 15.5 psia Total Cloth Area – 95 ft <sup>2</sup> Stabilized static pressure 2-10 inches of water Pulse Jet																	
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.																	
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>  <div style="text-align: center; padding: 20px 0;">See WV Regulation 13 construction permit # 2381F</div>																	

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DVJC	<b>List all emission units associated with this control device. DVMS</b>	
<b>Manufacturer:</b> FlexKleen	<b>Model number:</b> 84-BVC-6 (III)	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 600 ACFM @ 100 F and 15.5 psia Total Cloth Area – 95 ft <sup>2</sup> Stabilized static pressure 2-10 inches of water Pulse Jet		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>																	
<b>Control device ID number:</b> DURC	<b>List all emission units associated with this control device. DURS, DVBS</b>																
<b>Manufacturer:</b> MiKro-Pul	<b>Model number:</b> 23-10-220-C	<b>Installation date:</b>															
<b>Type of Air Pollution Control Device:</b> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>																	
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <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</td> <td>100%</td> <td>99.9%</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	100%	99.9%									
Pollutant	Capture Efficiency	Control Efficiency															
Particulate	100%	99.9%															
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>  Gas Flow Rate – 600 ACFM @ 50 F and 15.5 psia Total Cloth Area – 131 ft <sup>2</sup> Stabilized static pressure 2-10 inches of water Pulse Jet																	
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.																	
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>  <div style="text-align: center; padding: 20px 0;">See WV Regulation 13 construction permit # 2381F</div>																	

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> HFZP	<b>List all emission units associated with this control device. DTAS</b>	
<b>Manufacturer:</b> TORIT	<b>Model number:</b> 2DF4	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 1000 ACFM @ 70 F and 14.4 psia Total Cloth Area – 904 ft <sup>2</sup> Stabilized static pressure 3-5 inches of water Pulse Jet		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		



<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> HERP	<b>List all emission units associated with this control device. HFYS</b>	
<b>Manufacturer:</b> TORIT	<b>Model number:</b> 2DF4	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 1000 ACFM @ 70 F and 14.4 psia Total Cloth Area – 904 ft <sup>2</sup> Stabilized static pressure 3-5 inches of water Pulse Jet		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DWDP	<b>List all emission units associated with this control device. DWMS</b>	
<b>Manufacturer:</b> Flex-Kleen Corp.	<b>Model number:</b> 84-CTCBC-42-III	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 730 ACFM @ 120 F and 15.7 psia Total Cloth Area – 445 ft <sup>2</sup> Stabilized static pressure 3-5 inches of water Pulse Jet		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> HEDP	<b>List all emission units associated with this control device.</b> HEZS	
<b>Manufacturer:</b> TORIT	<b>Model number:</b> 2DF8	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 2000 ACFM @ 70 F and 14.2 psia Total Cloth Area – 1808 ft <sup>2</sup> Stabilized static pressure 0.3-1.5 inches of water Pulse Jet		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> HEWP	<b>List all emission units associated with this control device.</b> HEWS	
<b>Manufacturer:</b> TORIT	<b>Model number:</b> 2DF4	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 1000 ACFM @ 70 F and 14.4 psia Total Cloth Area – 904 ft <sup>2</sup> Stabilized static pressure 3-5 inches of water Pulse Jet		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> HFOP	<b>List all emission units associated with this control device. HFPS</b>	
<b>Manufacturer:</b> Flex-Kleen Corp.	<b>Model number:</b> 84-CTBC-42-III	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 730 ACFM @ 120 F and 15.7 psia Total Cloth Area – 445 ft <sup>2</sup> Stabilized static pressure 3-5 inches of water Pulse Jet		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DQEP	<b>List all emission units associated with this control device. DUPS</b>	
<b>Manufacturer:</b> Flex-Kleen	<b>Model number:</b> 84-CTBS-32	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.98%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 2200 ACFM @ 70 F and 22.7 psia Total Cloth Area – 528 ft <sup>2</sup> Stabilized static pressure 3-5 inches of water Pulse Jet		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DSXP	<b>List all emission units associated with this control device. DUAS</b>	
<b>Manufacturer:</b> Flex-Kleen Corp.	<b>Model number:</b> 84-CTBC-42-III	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 600 ACFM @ 100 F and 14.3 psia Total Cloth Area – 148 ft <sup>2</sup> Stabilized static pressure 0.3-1.5 inches of water Pulse Jet		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DRYP	<b>List all emission units associated with this control device. DVUS</b>	
<b>Manufacturer:</b> DuPont Custom Seperator Design	<b>Model number:</b> N/A	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 2400 ACFM @ 140 F and 22.7 psia		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If Yes, <b>Complete ATTACHMENT H</b>		
If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		



<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> HCLP	<b>List all emission units associated with this control device. DVUS</b>	
<b>Manufacturer:</b> DuPont Custom Seperator Design	<b>Model number:</b> N/A	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 2400 ACFM @ 140 F and 22.7 psia		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If Yes, <b>Complete ATTACHMENT H</b>		
If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DSBP	<b>List all emission units associated with this control device. DVXS</b>	
<b>Manufacturer:</b> DuPont Custom Seperator Design	<b>Model number:</b> N/A	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>  Gas Flow Rate – 2400 ACFM @ 140 F and 22.7 psia		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>  <div style="text-align: center; padding-top: 20px;">See WV Regulation 13 construction permit # 2381F</div>		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DSNP	<b>List all emission units associated with this control device. DVVS</b>	
<b>Manufacturer:</b> DuPont Custom Seperator Design	<b>Model number:</b> N/A	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 2400 ACFM @ 140 F and 22.7 psia		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If Yes, <b>Complete ATTACHMENT H</b>		
If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DSOP	<b>List all emission units associated with this control device. DVWS</b>	
<b>Manufacturer:</b> DuPont Custom Seperator Design	<b>Model number:</b> N/A	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 2400 ACFM @ 140 F and 22.7 psia		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If Yes, <b>Complete ATTACHMENT H</b>		
If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DSTC	<b>List all emission units associated with this control device. DUGS, DTVS</b>	
<b>Manufacturer:</b> Flex-Kleen Corp.	<b>Model number:</b> 84-CTBC-14(III)	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 600 ACFM @ 100 F and 14.3 psia Total Cloth Area – 148 ft <sup>2</sup> Stabilized static pressure 0.3-1.5 inches of water Pulse Jet		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DSZC	<b>List all emission units associated with this control device. DTVS</b>	
<b>Manufacturer:</b> Filtration Engineering	<b>Model number:</b> 12-300-20	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 1060 ACFM @ 90 F and 14.2 psia		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> DWAC	<b>List all emission units associated with this control device. DWAS</b>	
<b>Manufacturer:</b> Hoffman Air and Filtration Division	<b>Model number:</b> 30X96 Secondary Seperator	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 450 ACFM @ 95 F and 14.3 psia Total Cloth Area – 128 ft <sup>2</sup> Stabilized static pressure 0.3-1.5 inches of water Pulse Jet		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, <b>Complete ATTACHMENT H</b> If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		

<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> HEEP	<b>List all emission units associated with this control device. HFDS</b>	
<b>Manufacturer:</b> DuPont Custom Seperator Design	<b>Model number:</b> N/A	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 2400 ACFM @ 120 F and 15.7 psia		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If Yes, <b>Complete ATTACHMENT H</b>		
If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		



<b>ATTACHMENT G - Air Pollution Control Device Form</b>		
<b>Control device ID number:</b> HEFC	<b>List all emission units associated with this control device. HEES</b>	
<b>Manufacturer:</b> Flex-Kleen Corp	<b>Model number:</b> 84-CTBC-14(III)	<b>Installation date:</b>
<b>Type of Air Pollution Control Device:</b>		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
<b>List the pollutants for which this device is intended to control and the capture and control efficiencies.</b>		
Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.9%
<b>Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).</b>		
Gas Flow Rate – 2400 ACFM @ 140 F and 22.7 psia		
<b>Is this device subject to the CAM requirements of 40 C.F.R. 64?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If Yes, <b>Complete ATTACHMENT H</b>		
If No, <b>Provide justification.</b> Emissions are less than levels requiring CAM.		
<b>Describe the parameters monitored and/or methods used to indicate performance of this control device.</b>		
See WV Regulation 13 construction permit # 2381F		



## **Attachment H – CAM Rules Applicability**

## ATTACHMENT H - Compliance Assurance Monitoring (CAM) Plan Form

For definitions and information about the CAM rule, please refer to 40 CFR Part 64. Additional information (including guidance documents) may also be found at <http://www.epa.gov/ttn/emc/cam.html>

### CAM APPLICABILITY DETERMINATION

1) Does the facility have a PSEU (Pollutant-Specific Emissions Unit considered separately with respect to EACH regulated air pollutant) that is subject to CAM (40 CFR Part 64), which must be addressed in this CAM plan submittal? To determine applicability, a PSEU must meet all of the following criteria (*If No, then the remainder of this form need not be completed*): ☐ YES ☒ NO

- a. The PSEU is located at a major source that is required to obtain a Title V permit;
- b. The PSEU is subject to an emission limitation or standard for the applicable regulated air pollutant that is NOT exempt;

#### LIST OF EXEMPT EMISSION LIMITATIONS OR STANDARDS:

- NSPS (40 CFR Part 60) or NESHAP (40 CFR Parts 61 and 63) proposed after 11/15/1990.
  - Stratospheric Ozone Protection Requirements.
  - Acid Rain Program Requirements.
  - Emission Limitations or Standards for which a WVDEP Division of Air Quality Title V permit specifies a continuous compliance determination method, as defined in 40 CFR §64.1.
  - An emission cap that meets the requirements specified in 40 CFR §70.4(b)(12).
- c. The PSEU uses an add-on control device (as defined in 40 CFR §64.1) to achieve compliance with an emission limitation or standard;
  - d. The PSEU has potential pre-control device emissions of the applicable regulated air pollutant that are equal to or greater than the Title V Major Source Threshold Levels; AND
  - e. The PSEU is NOT an exempt backup utility power emissions unit that is municipally-owned.

### BASIS OF CAM SUBMITTAL

2) Mark the appropriate box below as to why this CAM plan is being submitted as part of an application for a Title V permit:

☐ RENEWAL APPLICATION. ALL PSEUs for which a CAM plan has NOT yet been approved need to be addressed in this CAM plan submittal.

☐ INITIAL APPLICATION (submitted after 4/20/98). ONLY large PSEUs (i. e., PSEUs with potential post-control device emissions of an applicable regulated air pollutant that are equal to or greater than Major Source Threshold Levels) need to be addressed in this CAM plan submittal.

☐ SIGNIFICANT MODIFICATION TO LARGE PSEUs. ONLY large PSEUs being modified after 4/20/98 need to be addressed in this cam plan submittal. For large PSEUs with an approved CAM plan, Only address the appropriate monitoring requirements affected by the significant modification.

### 3) <sup>a</sup> 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	<sup>b</sup> EMISSION LIMITATION or STANDARD	<sup>c</sup> 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

<sup>a</sup> If a control device is common to more than one PSEU, one monitoring plan may be submitted for the control device with the affected PSEUs identified and any conditions that must be maintained or monitored in accordance with 40 CFR §64.3(a). If a single PSEU is controlled by more than one control device similar in design and operation, one monitoring plan for the applicable control devices may be submitted with the applicable control devices identified and any conditions that must be maintained or monitored in accordance with 40 CFR §64.3(a).

<sup>b</sup> Indicate the emission limitation or standard for any applicable requirement that constitutes an emission limitation, emission standard, or standard of performance (as defined in 40 CFR §64.1).

<sup>c</sup> Indicate the monitoring requirements for the PSEU that are required by an applicable regulation or permit condition.

### CAM MONITORING APPROACH CRITERIA

Complete this section for EACH PSEU that needs to be addressed in this CAM plan submittal. This section may be copied as needed for each PSEU. This section is to be used to provide monitoring data and information for EACH indicator selected for EACH PSEU in order to meet the monitoring design criteria specified in 40 CFR §64.3 and §64.4. If more than two indicators are being selected for a PSEU or if additional space is needed, attach and label accordingly with the appropriate PSEU designation, pollutant, and indicator numbers.

4a) PSEU Designation:	4b) Pollutant:	4c) <sup>a</sup> Indicator No. 1:	4d) <sup>a</sup> Indicator No. 2:
<b>5a) GENERAL CRITERIA</b> Describe the <u>MONITORING APPROACH</u> used to measure the indicators:			
<sup>b</sup> Establish the appropriate <u>INDICATOR RANGE</u> or the procedures for establishing the indicator range which provides a reasonable assurance of compliance:			
<b>5b) PERFORMANCE CRITERIA</b> Provide the <u>SPECIFICATIONS FOR OBTAINING REPRESENTATIVE DATA</u> , such as detector location, installation specifications, and minimum acceptable accuracy:			
<sup>c</sup> 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.):			
<sup>d</sup> 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:			

<sup>a</sup> 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.

<sup>b</sup> 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.

<sup>c</sup> 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.

<sup>d</sup> 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:**