Hand Delivered



December 10, 2018

William F. Durham Director WV Department of Environmental Protection Division of Air Quality 601 57th Street SE Charleston, WV 25304

RE: Title V Renewal Application R30-03900011-2014

Director:

Enclosed is a complete and comprehensive renewal application for Clearon Corp.'s Title V operating permit R30-03900011-2014. Clearon Corp. is submitting this renewal application well within the deadlines specified by WVDEP's application instructions.

Clearon Corp's operating permit R30-03900011-2014 expires June 10, 2019, requiring a permit renewal application on December 10, 2018.

This renewal application package contains the following:

- Two hard copies (original plus additional copy) of forms requiring signature, area map, plot plan and process flow diagrams.
- Two computer compact discs per hard copy containing the emission units table, emission unit forms and the control device forms. One compact disc will contain confidential information while the other will have this information redacted.

If you should have any questions, or need additional information, please contact Mike Fisher at (304) 746-3046 or by email at michael.fisher@clearon.com

Sincerely,

My Il

John McKitrick Vice President of Operations Clearon Corp.

enclosures: Title V Renewal Application



Title V Air Permit Renewal

Submitted to West Virginia Division of Air Quality

December 2018

TITLE V PERMIT APPLICATION CHECKLIST FOR ADMINISTRATIVE COMPLETENESS

A co prep subr requ	A complete application is demonstrated when all of the information required below is properly prepared, completed and attached. The items listed below are required information which must be submitted with a Title V permit application. Any submittal will be considered incomplete if the required information is not included.*			
	Two signed copies of the application (at least one <u>must</u> contain the original " <i>Certification</i> " page signed and dated in blue ink)			
	Correct number of copies of the application on separate CDs or diskettes, (i.e. at least one disc per copy)			
\square	*Table of Contents (needs to be included but not for administrative completeness)			
\square	Facility information			
\boxtimes	Description of process and products, including NAICS and SIC codes, and including alternative operating scenarios			
\square	Area map showing plant location			
\square	Plot plan showing buildings and process areas			
\boxtimes	Process flow diagram(s), showing all emission units, control equipment, emission points, and their relationships			
	Identification of all applicable requirements with a description of the compliance status, the methods used for demonstrating compliance, and a Schedule of Compliance Form (ATTACHMENT F) for all requirements for which the source is not in compliance			
\square	Listing of all active permits and consent orders (if applicable)			
\square	Facility-wide emissions summary			
\square	Identification of Insignificant Activities			
\square	ATTACHMENT D - Title V Equipment Table completed for all emission units at the facility except those designated as insignificant activities			
	ATTACHMENT E - Emission Unit Form completed for each emission unit listed in the Title V Equipment Table (ATTACHMENT D) and a Schedule of Compliance Form (ATTACHMENT F) for all requirements for which the emission unit is not in compliance			
	ATTACHMENT G - Air Pollution Control Device Form completed for each control device listed in the Title V Equipment Table (ATTACHMENT D)			
	ATTACHMENT H – Compliance Assurance Monitoring (CAM) Plan Form completed for each control device for which the "Is the device subject to CAM?" question is answered "Yes" on the Air Pollution Control Device Form (ATTACHMENT G)			
\square	General Application Forms signed by a Responsible Official			
\square	Confidential Information submitted in accordance with 45CSR31			

Clearon Corp. Title V Air Permit Renewal Application December 2018

TABLE OF CONTENTS

- 1. Precautionary Notice Claim of Confidentiality
- 2. Title V Completeness Checklist
- 3. Discussion of Application
- 4. General Application Form
- 5. Area Map
- 6. Plot Plan
- 7. Process Flow Diagrams

CD Computer Disc Contents:

- Attachment D Emission Units Table
- Attachment E Emission Units Form
- Attachment G Air Pollution Control Device Form

DISCUSSION OF APPLICATION CLEARON CORP. TITLE V AIR PERMIT APPLICATION

I. INTRODUCTION

Clearon Corp. owns and operates a cyanuric acid and chlorinated dry bleach plant in South Charleston, WV. As a result of the potential levels of nitrogen oxides emitted from the calciners, the facility is defined, by the Title V program, as a major stationary source. Therefore, the facility is subject to the Title V permitting requirements adopted by 45 CSR 30.

Based on our knowledge and understanding the application contains information required for a complete and comprehensive submittal.

II. SOURCES AND EMISSION ESTIMATION

Major sources employed at the facility are the four calciners and the steam boilers. These units all use natural gas as their main source of combustion. In addition to these sources there are approximately a dozen process that are comprised of numerous small sources. Nearly all of the small sources are exhausted through an appropriate air pollution control device.

Emissions from the combustion of natural gas were estimated utilizing the procedures and factors provided in EPA document AP-42 "Compilation of Air Pollution Emission Factors", chapter 1.4. Emissions from the ammonia burners associated with each calciner were calculated using local emission factors. Emissions from the smaller sources are typically determined based on air pollution control device stack emissions.

III. APPLICABLE REQUIREMENTS

In accordance with Title V requirement, a citation and description of all applicable requirements have been provided. State and Federal air pollution control requirements were reviewed to determine all applicable requirements. Clearon currently has 7 Regulation 13 permits and 1 General Permit. The requirements of these permits have been included in this application.

IV. OPERATING FLEXIBILITY

Each Title V permit may include provisions to allow a permitted facility to make certain changes without requiring a permit revision, provided the changes meet specific requirements.

45 CSR 30-5 (5.8) states that each permit issued under this rule shall provide that a permittee may make changes within the facility, as provided by 502(b)(10) of the Clean

Air Act. Such operational flexibility shall be provided in the permit in conformance with the permit application and applicable requirements.

Therefore, Clearon is requesting that the Title V permit (when issued) includes a condition that allows the facility the operational flexibility provided in 45 CSR 30-5(5.8).

COVER DOCUMENT FOR CONFIDENTIAL INFORMATION

Company Name	Clearon Corp.	Responsible Official		
Company Address	95 MacCorkle Ave SW		Name	John McKitrick
South Charleston, WV	Title	Vice President of Operations		
	25303	Confidential Information	Address	95 MacCorkle Ave SW
Person/Title	Mike Fisher	Designee in State of WV		South Charleston, WV 25303
Confidential	Environmental/Safety		Phone	(304) 746-3000
Information	Specialist		FAX	(304) 746-3034

Reason for Submittal of Confidential Information Submittal of Title V Operating Permit Application

Identification of Confidential Information	Rationale for Confidential Claim	Confidential Treatment Time Period
Process Flow Diagrams	Refer to attached Confidentiality Claim	Permanent
	. 1	111

Responsible Official Signature	pl matt
Responsible Official Title	Vice President of Operations
Date Signed	12/10/18

NOTE: Must be signed and dated in BLUE INK.

Confidentiality Claim

- 1. Information claimed confidential is not available to the general public. Within the company, Clearon has distributed technical information on a need-to-know basis and has protected business confidentiality to prevent inadvertent dissemination of information.
- 2. Employees are aware of the competitive nature of their business and are trained to protect confidential information. All Clearon employees involved with technical information are required to sign a confidentiality agreement prior to employment.
- Information revealing the process technology in this submittal is not reasonably obtainable by persons other than Clearon employees who need to know.
- 4. Clearon Corp. claims business confidentiality protection for the information listed since disclosure would allow competent engineers within a competitor's company to determine the manner or process by which Clearon produces our products. This disclosure would provide competitors information without paying for technology or conducting research, engineering and development necessary to obtain the technology.
- 5. The confidentiality information should continue to be maintained as such for an indefinite time period.
- 6. Clearon Corp. is not aware of any statute that requires disclosure of the information claimed to be confidential.



Section 1: General Information

1. Name of Applicant (As registered with the WV Secretary of State's Office):	2. Facility Name or Location:		
Clearon Corp.	South Charleston Chlorinated Dry Bleach Plant		
3. DAQ Plant ID No.:	4. Federal Employer ID No. (FEIN):		
0 3 9 — 0 0 0 1 1	1 3 2 9 8 6 2 9 6		
5. Permit Application Type:			
Initial Permit When did op	perations commence? 10/11/1995		
Permit Renewal What is the	expiration date of the existing permit? 06/10/2019		
Update to Initial/Renewal Permit Application			
6. Type of Business Entity:	7. Is the Applicant the:		
Corporation Governmental Agency LLC	🗌 Owner 🔲 Operator 🖾 Both		
8. Number of onsite employees:	If the Applicant is not both the owner and operator		
	prease provide the name and address of the other party.		
125			
9. Governmental Code:			
Privately owned and operated; 0	County government owned and operated; 3		
Federally owned and operated; 1	Municipality government owned and operated; 4		
State government owned and operated; 2	District government owned and operated; 5		
10. Business Confidentiality Claims			
Does this application include confidential information (per 45CSR31)? Xes 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 " <i>PRECAUTIONARY NOTICE-CLAIMS OF CONFIDENTIALITY</i> " guidance.			

Page ____ of ____

11. Mailing Address				
Street or P.O. Box: 95 MacCorkle Avenue, SW				
City: South Charleston	State: WV	Zip:	25303	-
Telephone Number: (304) 746-3000 Fax Number: (304) 746-3034				

12. Facility Location			
Street: 95 MacCorkle Avenue, SW	City: South Charleston	County: Kanawha	
UTM Easting: 438.4 km	UTM Northing: 4,246.6 km	Zone: 2 17 or 18	
Directions: Exit 56 (Montrose Drive) on I-64. Turn right and go to the bottom of the hill and turn left at the light onto MacCorkle Avenue (Route 60). Go to 3 rd stop light and turn right. Turn left at first driveway.			
Portable Source? 🗌 Yes 🖂	No		
Is facility located within a nonattair	If yes, for what air pollutants? PM 2.5		
Is facility located within 50 miles of	If yes, name the affected state(s).		
Is facility located within 100 km of a	If yes, name the area(s).		
If no, do emissions impact a Class I			
¹ Class I areas include Dolly Sods and Otter Creek Wilderness Areas in West Virginia, and Shenandoah National Park and James River Face Wilderness Area in Virginia.			

13. Contact Information				
Responsible Official: John McKitrick	Responsible Official: John McKitrick Title: Vice President of Operations			
Street or P.O. Box: 95 MacCorkle Avenue, S	SW			
City: South Charleston	State: WV	Zip: 25303 -		
Telephone Number: (304) 746 - 3136	Fax Number: (304) 746	- 3034		
E-mail address: john.mckitrick@clearon.con	1			
Environmental Contact: Mike Fisher		Title: Environmental/Safety Specialist		
Street or P.O. Box: 95 MacCorkle Avenue, S	W			
City: South Charelston	State: WV	Zip: 25303 -		
Telephone Number: (304) 746 - 3046 Fax Number: (304) 746 - 3034				
E-mail address: michael.fisher@clearon.com				
Application Preparer: Mike Fisher Title: Environmental/Safety Specialist				
Company: Clearon Corp.				
Street or P.O. Box: 95 MacCorkle Avenue, SW				
City: South Charleston	State: WV	Zip: 25303 -		
Telephone Number: (304) 746 - 3046	Fax Number: (304) 746	- 3034		
E-mail address: michael.fisher@clearon.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
Cyanuric acid production	Purified cyanuric acid	325188	2819
Chlorinated Dry Bleach	Chlorinated isocyanurates	325188	2819

Provide a general description of operations.

Clearon's primary products are purified cyanuric acid and chlorinated isocyanurates also known as CDB. The facility operates on a year-round basis, 24 hours per day, and 365 days per year.

Cyanuric Acid is produced from the pyrolysis of urea. The cyanuric acid is used as the feed stock to produce various types of CDB's at the South Charleston Plant. CDB's are produced by chlorinating the cyanuric acid. Cyanuric acid is also sold to other manufacturers for the production of their chlorinated dry bleaches or as CDB stablizers.

Cyanuric acid and chlorinated dry bleaches are used in production of swimming pool treatment chemicals, cleaners, dishwashing detergents, and various other products whose primary functions are cleaning, disinfecting, and sanitizing.

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."
- 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.

Page ____ of ____

Section 2: Applicable Requirements

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

19. Non Applicability Determinations

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

Permit Shield

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

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

Permit Shield

Page _____ of _____ General Application Forms (general_forms.wpd) Page 6 of 17 Revised - 10/1/2014 20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. 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*).

Title V Permit R30-3900011--2014

3.1.1. Open burning. The open burning of refuse by an person is prohibited except as noted in 45CSR6-3.1. [45CSR6-3.1.]

3.1.2. Open burning exemptions. The exemptions listed in 45CSR6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause or allow any form of open burning during existing or predicted periods of atmostpheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible. [45CSR6-3.2.]

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 at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary at least ten (10) working days prior 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 cop of this notice to be sent to them. [40 C.F.R. 61.145(b) and 45CSR34]

3.1.4. Odor. No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public. [45CSR4-3.1 State-Enforceable only]

Permit Shield

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

NA

Are you in compliance with all facility-wide applicable requirements? 🛛 Yes 🗌 No

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

Page ____ of ____

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

List all facility-wide applicable requirements. For each applicable requirement, include the rule citation and/or permit with the condition number.

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 puruant to 40 C.F.R. Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

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

b. Equipment used during 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 applicances must be certified by an approved technician certification program pursuant to 40 C.F.R. 82.161.

Permit Shield

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

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

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

Page _____of _____

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

List all facility-wide applicable requirements. For each applicable requirement, include the rule citation and/or permit with the condition number.

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 Fugitives. No person shall 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, donctrol equipment design or operation and maintenance procedures, to minimize the emissions of fugitive particulate matter. To minimize means such system shall be installed, maintained and operated to ensure the lowest fugitive particulate matter emissions reasonably achievable. [45CSR 7-5.1.

3.1.10 Fugitives. 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 or asphalt, chemical dust suppressants or other suitable dust conrol measures. Good operating practices shall be implemented and when necessary particulated matter suppressants shall be applied in relation to stockpiling and general material handling to minimize particulate mater generation and atmospheric entrainment. [45CSR 7-5.2.]

3.1.11 Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 of R13-2050 (F-1804, S-151-A, S-195, and D-222) 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 permit R13-2050 or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary [45CSR13, R13-2050, 4.1.15.; 45CSR13-5.11.]

Permit Shield

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

Are you in compliance with all facility-wide applicable requirements? 🖂 Yes 🗌 No

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

Page _____ of _____

21. Active Permits/Consent Orders		
Permit or Consent Order Number	Date of Issuance MM/DD/YYYY	List any Permit Determinations that Affect the Permit <i>(if any)</i>
R13-894	10/06/1986	
R13-1698	03 / 18 / 1994	Modifications to the north side process to produce 7300 pounds per hour of trichlorinated cyanuric acid.
R13-1724A	07 / 17 / 2003	Increase feed rate of CDB 56 (formerly called Clearon®) from 1,240 pounds per hour to 1,375 pounds per hour.
R13-1922A	01 / 28 / 2003	Increase usage and emissions from a 26.8 MMBTU/hr boiler.
R13-2050H	09 / 13 / 2017	Replace Sulfuric Acid Storage Tank T-1007.
		R13-2050A, R13-2050B, R13-2050C, R13- 2050D, R13-2050E, R13-2050F, R13-2050G
R13-2597	10 / 25 / 2004	This permit is the permanent operation of a 32.5 MMBtu/hr boiler that was permitted by R13- 2594T.
R13-2931	07 / 23 / 2012	
G60-C045	06 / 11 / 2012	
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Page _____ of _____

22. Inactive Permits/Obsolete Permit Conditions					
Permit Number	Date of Issuance	Permit Condition Number			
	MM/DD/YYYY				
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23. Facility-Wide Emissions Summary [Tons per Year]						
Criteria Pollutants	Potential Emissions					
Carbon Monoxide (CO)	44.54					
Nitrogen Oxides (NO _x)	407.92					
Lead (Pb)						
Particulate Matter (PM _{2,5}) ¹						
Particulate Matter (PM ₁₀) ¹						
Total Particulate Matter (TSP)	56.42					
Sulfur Dioxide (SO ₂)	6.413					
Volatile Organic Compounds (VOC)	7					
Hazardous Air Pollutants ²	Potential Emissions					
Chlorine	8.8					
Regulated Pollutants other than Criteria and HAP	Potential Emissions					
H2SO4	180					
$^{1}PM_{2,s}$ and PM_{10} are components of TSP. ² For HAPs that are also considered PM or VOCs, emissions should be included in both the HAPs section and the Criteria Pollutants section.						

Section 4: Insignificant Activities

24.	Insign	ificant Activities (Check all that apply)
\square	1.	Air compressors and pneumatically operated equipment, including hand tools.
	2.	Air contaminant detectors or recorders, combustion controllers or shutoffs.
	3.	Any consumer product used in the same manner as in normal consumer use, provided the use results in a duration and frequency of exposure which are not greater than those experienced by consumer, and which may include, but not be limited to, personal use items; janitorial cleaning supplies, office supplies and supplies to maintain copying equipment.
\square	4.	Bathroom/toilet vent emissions.
\square	5.	Batteries and battery charging stations, except at battery manufacturing plants.
	6.	Bench-scale laboratory equipment used for physical or chemical analysis, but not lab fume hoods or vents. Many lab fume hoods or vents might qualify for treatment as insignificant (depending on the applicable SIP) or be grouped together for purposes of description.
	7.	Blacksmith forges.
\boxtimes	8.	Boiler water treatment operations, not including cooling towers.
	9.	Brazing, soldering or welding equipment used as an auxiliary to the principal equipment at the source.
	10.	CO ₂ lasers, used only on metals and other materials which do not emit HAP in the process.
	11.	Combustion emissions from propulsion of mobile sources, except for vessel emissions from Outer Continental Shelf sources.
	12.	Combustion units designed and used exclusively for comfort heating that use liquid petroleum gas or natural gas as fuel.
	13.	Comfort air conditioning or ventilation systems not used to remove air contaminants generated by or released from specific units of equipment.
	14.	Demineralized water tanks and demineralizer vents.
	15.	Drop hammers or hydraulic presses for forging or metalworking.
	16.	Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam.
	17.	Emergency (backup) electrical generators at residential locations.
	18.	Emergency road flares.
	19.	Emission units which do not have any applicable requirements and which emit criteria pollutants (CO, NO_x , SO ₂ , VOC and PM) into the atmosphere at a rate of less than 1 pound per hour and less than 10,000 pounds per year aggregate total for each criteria pollutant from all emission units.
		Please specify all emission units for which this exemption applies along with the quantity of criteria pollutants emitted on an hourly and annual basis:
		<u>* * *</u>

24.	Insign	ificant Activities (Check all that apply)						
	20.	ion units which do not have any applicable requirements and which emit hazardous air pollutants the atmosphere at a rate of less than 0.1 pounds per hour and less than 1,000 pounds per year gate total for all HAPs from all emission sources. This limitation cannot be used for any source 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 c air pollutants emitted on an hourly and annual basis:							
	21.	Environmental chambers not using hazardous air pollutant (HAP) gases.						
	22.	Equipment on the premises of industrial and manufacturing operations used solely for the purpose of preparing food for human consumption.						
	23.	Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.						
	24.	Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis.						
	25.	Equipment used for surface coating, painting, dipping or spray operations, except those that will emit VOC or HAP.						
\square	26.	Fire suppression systems.						
\square	27.	Firefighting equipment and the equipment used to train firefighters.						
	28.	Flares used solely to indicate danger to the public.						
	29.	Fugitive emission related to movement of passenger vehicle provided the emissions are not counted for applicability purposes and any required fugitive dust control plan or its equivalent is submitted.						
	30.	Hand-held applicator equipment for hot melt adhesives with no VOC in the adhesive formulation.						
	31.	Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning or machining wood, metal or plastic.						
	32.	Humidity chambers.						
	33.	Hydraulic and hydrostatic testing equipment.						
	34.	Indoor or outdoor kerosene heaters.						
\square	35.	Internal combustion engines used for landscaping purposes.						
	36.	Laser trimmers using dust collection to prevent fugitive emissions.						
	37.	Laundry activities, except for dry-cleaning and steam boilers.						
\square	38.	Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.						
	39.	Oxygen scavenging (de-aeration) of water,						
	40.	Ozone generators.						

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

25. Equipment Table

Fill out the Title V Equipment Table and provide it as ATTACHMENT D.

26. Emission Units

For each emission unit listed in the Title V Equipment Table, fill out and provide an Emission Unit Form as ATTACHMENT E.

For each emission unit not in compliance with an applicable requirement, fill out a Schedule of Compliance Form as ATTACHMENT F.

27. Control Devices

For each control device listed in the Title V Equipment Table, fill out and provide an Air Pollution Control Device Form as ATTACHMENT G.

For any control device that is required on an emission unit in order to meet a standard or limitation for which the potential pre-control device emissions of an applicable regulated air pollutant is greater than or equal to the Title V Major Source Threshold Level, refer to the Compliance Assurance Monitoring (CAM) Form(s) for CAM applicability. Fill out and provide these forms, if applicable, for each Pollutant Specific Emission Unit (PSEU) as ATTACHMENT H.

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: John McKitrick

Title: Vice President of Operations

Responsible official's signature: 1 make 12/10/18 Signature: Signature Date: (Must be signed and dated in blue ink)

Not	Note: Please check all applicable attachments included with this permit application:					
\boxtimes	ATTACHMENT A: Area Map					
\boxtimes	ATTACHMENT B: Plot Plan(s)					
\boxtimes	ATTACHMENT C: Process Flow Diagram(s)					
\boxtimes	ATTACHMENT D: Equipment Table					
\boxtimes	ATTACHMENT E: Emission Unit Form(s)					
	ATTACHMENT F: Schedule of Compliance Form(s)					
\boxtimes	ATTACHMENT G: Air Pollution Control Device Form(s)					
	ATTACHMENT H: Compliance Assurance Monitoring (CAM) Form(s)					

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

Page _____ of _____

Clearon Corp. Title V Air Permit Application Area Map

Location: 95 MacCorkle Ave. SW South Charleston, WV YAHOO! 62 Vease 25 7thA inawha River Blaine Island 1th Ave Dunba Ave Witsonst 10th AV AshbyAve othAve Lindway Ave thavesw S oth Ave SN AthAve 60 MacConke Nie SN South SthAve Charleston 9 3rd Ave SW Ribeldafter Ave 2nd Ave SW St Ave EIMS Sec 500 m anawhartok e 12 ©Yahoo! 2008, Data NAVTEQ 2008



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	IS CONSIDERED CONFIDENTIAL THIS OOK WHOLE OR IN PART WITHOUT THE PRIO	CUMENT IS NOT TO BE USED, OR WRITTEN PERMISSION OF CLE	REPRODUCED OR DISCLOSED	IN				REV.	DESCRIPTION		DRAWN CHEC DATE DA	EKED APPROVAL	
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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)							
Emission Unit ID ¹	Emission Point ID ¹	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device ¹		
		Natural Gas Boilers					
H-110	ST-110	Boiler	1996	26.8 MMBtu/hr			
H-112	ST-112	Boiler	2003	32.5 MMBtu/hr			
		Urea/Cyanuric Acid Unloading					
T-1010	ST-001	Urea Storage Silo	1992	156,000 lbs	C-1010		
		Baghouse S-196 to T-1010 Urea					
		Storage Silo					
T-151	ST-176	Urea Dissolution Tank	1983	8016 gallons	S-151-A		
T-191	ST-176	Urea Dissolution Tank	1983	8016 gallons	S-195		
		Crude Cyanuric Acid Production					
F-101	ST-102	A Calciner - Zone A Combustion	1963	9.45 MMBtu/hr			
F-101	ST-103	A Calciner - Zone B Combustion	1963	9.45 MMBtu/hr			
F-101	ST-130	A Calciner - Process Emissions	1963	2800 pph	D-101		
				12,264 tpy	F-104		
F-121	ST-122	B Calciner - Zone A Combustion	1968	9.45 MMBtu/hr			
		Not in Service					
F-121	ST-123	B Calciner - Zone B Combustion	1968	9.45 MMBtu/hr			
		Not in Service					
F-121	ST-131	B Calciner - Process Emissions	1968	2800 pph	D-121		
		Not in Service		12,264 tpy	F-124		
F-161	ST-162	C Calciner - Zone A Combustion	1972	9.45 MMBtu/hr			
F-161	ST-163	C Calciner - Zone B Combustion	1972	9.45 MMBtu/hr			
F-161	ST-171	C Calciner - Process Emissions	1972	2800 pph	D-161		
				12,264 tpy	F-164		
F-1801	ST-1802	D Calciner - Combustion Emissions	1997	13.65 MMBtu/hr			

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)							
Emission Unit ID ¹	Emission Point ID ¹	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device ¹		
F-1801	ST-1806	D Calciner - Process Emissions	1997	3500 pph	D-1801		
		CA Purification					
D-222	D-222	Digestor Vent Scrubber			D-222		
		(Control Device)					
T-285	D-222	Digestor	1996	21,000 gallons	H-204		
T-275	D-222	Digestor	1988	11,000 gallons	H-204		
T-245	D-222	Flash Tank	1986	11,000 gallons	H-204		
T-203	D-222	Flash Tank	1987	11,000 gallons	H-204		
H-204	D-222	Digestion Barometric Condenser	1989	12.75" diameter	D-232		
T-230	D-222	Slurry Tank	1983	2,500 gallons	D-232		
T-350	D-222	Acid Mix Tank	1986	11,000 gallons	D-232		
T-233	D-222	Digester - Not in Service	1969	11,000 gallons	D-232		
D-232	D-222	Acid Vent Scrubber	1988	18" dia x 11'9"	D-222		
T-349	D-222	Cold Acid Purge Tank	1986	550 gallons	D-222		
T-334	D-222	Recycle Acid Tank	1995	3,800 gallons	D-222		
T-387	D-222	Clarifier Feed/Purge Acid	1986	2,800 gallons	D-222		
		Cooling Tank					
CE-301	D-222	Centrifuge	1962	48" dia x 24"	D-222		
CE-302	D-222	Centrifuge	1997	60" dia x 40"	D-222		
CE-321	D-222	Centrifuge	1972	48" dia x 24"	D-222		
CE-322	D-222	Centrifuge	1995	60" dia x 40"	D-222		
CE-323	D-222	Centrifuge	1995	60" dia x 40"	D-222		
CE-324	D-222	Centrifuge	1997	60" dia x 40"	D-222		
CE-343	D-222	Centrifuge	1973	48" dia x 24"	D-222		
T-1204	D-222	Centrifuge Feed Tank	2002	2100 gallons	D-222		

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)							
Emission Unit ID ¹	Emission Point ID ¹	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device ¹		
T-234	D-222	Centrifuge Feed Tank	1995	2100 gallons	D-222		
T-301	D-222	Slurry Tank	2001	3800 gallons	NA		
T-323	D-222	Slurry Tank - Not in Service	1974	1000 gallons	D-222		
C-301	D-222	Conveyor	1986	355 ft3/hr	D-222		
C-302	D-222	Conveyor	1986	355 ft3/hr	D-222		
C-303	D-222	Conveyor	1986	355 ft3/hr	D-222		
C-321	D-222	Conveyor	1986	355 ft3/hr	D-222		
C-322	D-222	Conveyor	1986	355 ft3/hr	D-222		
C-343	D-222	Conveyor	1986	355 ft3/hr	D-222		
C-344	D-222	Conveyor	1986	355 ft3/hr	D-222		
C-345	D-222	Conveyor	1986	355 ft3/hr	D-222		
T-388	D-222	Clarifier	1986	3000 gallons	D-222		
T-882		Reprocessing Tank	1987	2,500 gallons			
T-1007	T-1007	93% Sulfuric Acid Storage Tank	2017	20,000 gallons			
T-1003	T-1003	93% Sulfuric Acid Storage Tank	2016	3,031 gallons			
		Cyanuric Acid Granular					
Y-9857	F-9861	Scale	1986	1000 pph	S-8107		
C-9856	F-9861	Screen	1986	1000 pph	S-8107		
CU-9855	F-9861	Granulator	1986	1000 pph	S-8107		
CP-9854	F-9861	Compactor	1986	1000 pph	S-8107		
T-9853	F-9861	Hopper	1986	1000 pph	S-8107		
C-9852	F-9861	Bucket Elevator	1986	1000 pph	S-8107		
T-9850	F-9861	Hopper	1986	1000 pph	S-8107		
SP-9851	F-9861	Feeder	1986	1000 pph	S-8107		

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)							
Emission Unit ID ¹	Emission Point ID ¹	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device ¹		
		CDB-56 Process					
D-336A	ST-1601	Chlorine Scrubber (Control Device)	1978	15,000 acfm	D-336A		
T-401		Feed Tank	1962	20,000 gallons			
T-402		Feed Tank	1962	20,000 gallons			
T-403		Reactor Tank	2013	20,000 gallons			
T-543		Primary Feed Tank	1972	2,200 gallons			
D-501	ST-1601	Chlorinator	1997	2,650 gallons	D-336A		
D-541	ST-1601	Chlorinator	1997	2,650 gallons	D-336A		
D-562A	ST-1601	Chlorinator	1979	2,400 gallons	D-336A		
D-502B	ST-1601	Chlorinator	1979	2,400 gallons	D-336A		
T-732	ST-1601	Salt Makeup Tank	1998	1,000 gallons	D-336A		
CE-673	ST-1601	Centrifuge	1979	60 gpm	D-336A		
CE-734	ST-1601	Centrifuge	2006	125 gpm	D-336A		
CE-733	ST-1601	Centrifuge	2002	125 gpm	D-336A		
CE-732	ST-1601	Centrifuge	2016	125 gpm	D-336A		
CE-731	ST-1601	Centrifuge	2002	125 gpm	D-336A		
C-731	ST-1601	Conveyor	2000	42,000 pph	D-336A		
C-732	ST-1601	Conveyor	2000	42,000 pph	D-336A		
C-737	ST-1601	Conveyor	2000	42,000 pph	D-336A		
C-736	ST-1601	Conveyor	2000	42,000 pph	D-336A		
C-734	ST-1601	Conveyor	2000	42,000 pph	D-336A		
C-735	ST-1601	Conveyor	2000	42,000 pph	D-336A		
F-831	ST-1001	Dryer	1970	3.5 MMBtu/hr	S-831/S-832		
C-833	ST-1001	Mill	1966	9,000 cfm	S-831/S-832		
C-831	ST-1001	Combin Feeder	2007	30-90 cfa	S-831/S-832		

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)							
Emission Unit ID ¹	Emission Point ID ¹	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device ¹		
H-831	ST-954	Heater	1964	720,000 Btu/hr	C-9540		
T-801A	ST-954	Chilsonator Feed Bin	2004	50 ft3	C-9540		
CP-905	ST-954	Chilsonator	1966	4,100 pph	C-9540		
CU-900	ST-954	Granulator	1966	4,100 pph	C-9540		
CU-951	ST-954	Granulator	1966	1000 pph	C-9540		
H-953	ST-958	Heater	1964	720,000 Btu/hr	C-9580		
SC-986A	ST-958	Sizing Screen	1997	8,500 pph	C-9580		
SC-986B	ST-958	Sizing Screen	1997	8,500 pph	C-9580		
SC-915	ST-958	Sizing Screen	1997	6,500 pph	C-9580		
SC-914	ST-958	Sizing Screen	1997	6,500 pph	C-9580		
SC-917	ST-958	Sizing Screen	1997	8,500 pph	C-9580		
SC-918	ST-958	Sizing Screen	1997	8,500 pph	C-9580		
T-915	ST-958	Surge Tank	2011	61 ft3 working	C-9580		
				cap			
T-914	ST-958	Surge Tank	2011	61 ft3 working	C-9580		
				cap			
T-917	ST-958	Surge Tank	1995	50 ft ³	C-9580		
Y-914	ST-958	Packaging Equipment	1995	18,400 lbs	C-9580		
Y-915	ST-958	Packaging Equipment	1995	18,400 lbs	C-9580		
Y-916	ST-958	Packaging Equipment	Pre-1985	45,537 lbs	C-9580		
Y-917	ST-958	Packaging Equipment	2001	8,806 lbs	C-9580		
		CDB-90 Process					
T-431		Feed Tank	1962	20,000 gallons			
T-432		Feed Tank	1962	20,000 gallons			
T-433		Feed Tanks	1962	20,000 gallons			

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)							
Emission Unit ID ¹	Emission Point ID ¹	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device ¹		
D-570	ST-1601	Chlorinator	2001	4,000 gallons	D-336A		
N/A	ST-1601	Chlorine Unloading (railcar)	2001	11,000 pph	D-336A		
H-566	ST-1601	Vaporizer	1983	8,000 pph	D-336A		
D-3136A	ST-1601	NaOCl Generator	1998	4' x 25'10"	D-336A		
T-3136	ST-1601	NoOCl Storage Tank	2008	3,000 gallons	D-336A		
I-700	ST-1601	Filter	1995	133 ft ³ surface	D-336A		
T-700A	ST-1601	Filter Receiver	1995	300 gallons	D-336A		
T-700B	ST-1601	Filter Receiver	1995	300 gallons	D-336A		
T-7825	ST-1601	Acid Storage Tank	2005	20,000 gallons	D-336A		
D-7827	ST-1601	Stripper	1998	3'6" x 39'6"	D-336A		
T-567	ST-1601	Acid Generator	1995	30 gallons	D-336A		
T-7811	ST-1601	Low pH Waste Treatment Feed Tank	1999	20,000 gallons	D-336A		
T-7812	ST-1601	High pH Waste Treatment Tank	1999	20,000 gallons	D-336A		
T-769	ST-1601	CDB Scrap Recovery	2004	4,500 gallons	D-336A		
T-700C	ST-1601	Vacuum Pump Exhaust Separator	2012	300 gallons	D-336A		
T-704	ST-1601	Centrifuge Filtrate Tank	1998	2,300 gallons	D-336A		
T-7826	ST-1601	Acidifier	2007	7,500 gallons	D-336A		
H-803	ST-1001	Heater	1995	4.5 MMBtu/hr	C-8060/C-8070		
C-803	ST-1001	Mill	2003	7,500 pph	C-8060/C-8070		
C-802	ST-1001	Filter Discharge Screw	2001	7,500 pph	C-8060/C-8070		
H-904	ST-904	Heater	1964	720,000 Btu/hr	C-9040		
T-801	ST-904	Chilsonater Feed Bins	2005	50 ft3	C-9040		
C-975	ST-904	Chilsonator	2000	12,000 pph	C-9040		
CU-971	ST-904	Granulator	1972	12,600 pph	C-9040		
CU-975	ST-904	Granulator	1995	3,000 pph	C-9040		

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)					
Emission Unit ID ¹	Emission Point ID ¹	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device ¹
SC-909A	ST-978	Sizing Screen	1995	72" diameter	C-9780
SC-909B	ST-978	Sizing Screen	1995	72" diameter	C-9780
SC-910B	ST-978	Sizing Screen - Out of Service	2002	60" diameter	C-9780
T-987	ST-978	Surge Tank	2011	150 ft3	C-9780
Y-970A	ST-978	Packaging Equipment	1995	7,500 pph	C-9780
Y-970B	ST-978	Packaging Equipment -Out of Service	1995	7,500 pph	C-9780
		Back End Waste			
T-740	ST-1601	Fugitive Waste Collection Sump	1964	12,000 gallons	D-336A
T-7813B	ST-1601	Reactor	1976	11,000 gallons	D-336A
T-7804	ST-1601	Centrifuge Feed Tank	2009	12,000 gallons	D-336A
CE-7802	ST-1601	Centrifuge	1979	200 gpm	D-336A
T-7820	ST-1601	Neutralization Tank	2018	23,000 gallons	D-336A
T-7821A	ST-1601	Sodium Hypochlorite Storage	2000	23,500 gallons	D-336A
T-7821B	ST-1601	Sodium Bisulfite Storage	2015	18,500 gallons	D-336A
T-7850	ST-1601	Neutralization Sump	1964	3,500 gallons	
T-7810		Hydrogen Peroxide Tank	1974	13,000 gallons	
T-7805		Head Tank	2012	100 gallons	
T-7819		Repulp Tank	2010	900 gallons	
T-7814		Surge Tank	1998	20,000 gallons	
		CDB-63			
T-9901	ST-9912	Feed Hopper	1987	1,375 pph	S-8104
C-9903	ST-9912	Screw Conveyor	1987	1,375 pph	S-8104
DR-9904	ST-9912	Packaging	1987	1,375 pph	S-8104
H-9907	ST-9912	Heater	1987	1,375 pph	S-8104
	(i) i)	ATTACHMENT D - Emis ncludes all emission units at the facili nsignificant activities in Section 4, Ite	ssion Units Tab ty except those des m 24 of the Genera	le ignated as al Forms)	
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Emission Unit ID ¹	Emission Point ID ¹	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device ¹
H-9908	ST-9912	Heater	1987	1,375 pph	S-8104
H-9909	ST-9912	Heater	1987	1,375 pph	S-8104
T-9906	ST-9912	Packaging	2001	1,375 pph	S-8104
		Cooling Towers			
H-1314	N/A	Cooling Tower	1976	14 MMBtu/hr	
H-1014	N/A	Cooling Tower	1969	10 MMBtu/hr	
H-107	NA	Cooling Tower	1997	10 MMBtu/hr	
		Generators			
EG-100	NA	Generator	1997	1340 HP	
EG-200	NA	Generator	2012	1474 HP	
EG-400	NA	Generator	1991	745 HP	
EG-514	EG-514	Generator	2012	157 HP	
¹ For 45CSR13 p	permitted sources	s, the numbering system used for the emission p^{\prime}	oints, control devices, ar	nd emission units shou	ld be consistent with

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

АТТ	ACHMENT E - Emission Uni	t Form	
Emission Unit Description			
Emission unit ID number: H-110	Emission unit name: Boiler	List any control dev with this emission u	ices associated nit:
Provide a description of the emissio Natural gas steam boiler to provide ste	n unit (type, method of operation, de eam for process use.	esign parameters, etc.):
Manufacturer: Johnston Boiler Co	Model number: Firetb Scotch Marine	Serial number: 9415-01	
Construction date: 01/01/1995	Installation date: 02/01/1996	Modification date(s) MM/DD/YYYY	:
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 26.8 M	MBtu/hr	
Maximum Hourly Throughput: 29,467 DSCF	Maximum Annual Throughput: 258,128,642 DSCF	Maximum Operatin 8760 hours per year	g Schedule:
Fuel Usage Data (fill out all applica	ble fields)	·	
Does this emission unit combust fue	I?X_Yes No	If yes, is it?	
		<u>X</u> Indirect Fired	Direct Fired
Maximum design heat input and/or 26.8 MMBtu/hr	maximum horsepower rating:	Type and Btu/hr rat Low NOx burners	ting of burners:
List the primary fuel type(s) and if the maximum hourly and annual fu Natural gas only	applicable, the secondary fuel type(s lel usage for each.	:). For each fuel type]	listed, provide
Describe each fuel expected to be us	sed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas	0	0	1021 Btu/CF
Emissions Data			

Criteria Pollutants	Potentia	l Emissions		
	РРН	TPY		
Carbon Monoxide (CO)	1.923	8.42		
Nitrogen Oxides (NO _X)	2.554	11.19		
Lead (Pb)				
Particulate Matter (PM _{2.5})	0.432	1.89		
Particulate Matter (PM ₁₀)	0.432	1.89		
Total Particulate Matter (TSP)	0.432	1.89		
Sulfur Dioxide (SO ₂)	0.019	0.08		
Volatile Organic Compounds (VOC)	0.042	0.18		
Hazardous Air Pollutants	Potentia	Potential Emissions		
	РРН	TPY		
Regulated Pollutants other than	Potentia	Potential Emissions		
Criteria and HAP	РРН	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.).

AP-42, Table 1.4-1

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (<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.
R13-1922.A.1 - Maximum design heat input of 26.8MMBtu/hr
R13-1922.A.2 - Natural gas fuel only R13-1922.A.3 - Hourly fuel consumption limited to 29,467 DSCF
R13-1922.A.4 - 12 month rolling average fuel consumption limited to 258,128,642 DSCF R13-1922.A.5 - Equipped with and employ low-NOx burners when in use
R13-1922.A.6 - Maximum allowable hourly and annual emissions to the atmosphere are CO 1.923 lb/yr 8.42 TPY, NOx 2.554 lb/yr 11.19 TPY, SO ₂ 0.019 lb/hr 0.08 TPY, Total PM 0.432 lb/hr 1.89 TPY, VOC 0.042 lb/hr 0.18 TPY
Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)
Recordkeeping required by R13-1992
To determine hourly fuel usage. To determine 12-month rolling average and calendar year usage.
Compliance will be achieved by proper operation and maintenance of the boiler.
Are you in compliance with all applicable requirements for this emission unit? _X_YesNo
If no, complete the Schedule of Compliance Form as ATTACHMENT F .

ATT	ACHMENT E - Emission Uni	it Form	
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev	vices associated
H-112	Boiler	with this emission u	mit:
Provide a description of the emissio Natural gas boiler to provide steam fo	n unit (type, method of operation, de r process use.	esign parameters, etc	.):
Manufacturer: Cleaver-Brooks	Model number: CBLE 200-800	Serial number:	
Construction date: MM/DD/2001	Installation date: 10/21/2003	Modification date(s):
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 32.5 M	MBtu/hr	
Maximum Hourly Throughput: 29,435 ft ³ /hr	Maximum Annual Throughput: 258,128,642 DSCF	Maximum Operation 8760 hours	ng Schedule:
<i>Fuel Usage Data</i> (fill out all applica	ble fields)		
Does this emission unit combust fue	l? _X_Yes No	If yes, is it?	
		X Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra Low NOx gas burne	ting of burners: r
List the primary fuel type(s) and if the maximum hourly and annual fu Natural gas only	applicable, the secondary fuel type(s el usage for each.	S). For each fuel type	listed, provide
Describe each fuel expected to be us	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas	0	0	1021 Btu/CF

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	1.92	8.41	
Nitrogen Oxides (NO _X)	2.55	11.17	
Lead (Pb)			
Particulate Matter (PM _{2.5})	0.43	1.89	
Particulate Matter (PM ₁₀)	0.43	1.89	
Total Particulate Matter (TSP)	0.43	1.89	
Sulfur Dioxide (SO ₂)	0.02	0.08	
Volatile Organic Compounds (VOC)	0.18	0.80	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than	Potentia	1 Emissions	
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.).

AP-42, Table 1.4-1

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.

R13-2597.4.1.1 Maximum emissions to the atmosphere shall note exceed the following hourly and annual limits: NOx 2.55 lb/hr 11.17 TPY, CO 1.92 lb/hr 8.41 TPY, Total PM 0.43 lb/hr 1.89 TPY, VOC 0.18 lb/hr 0.80 TPY, SO₂ 0.02 lb/hr 0.08 TPY

R13-2597.4.1.2 The maximum design heat input shall not exceed 32,500,000 Btu/hr

R13-2597.4.1.3 The maximum natural gas fuel usage shall not exceed 29,435 cubic feet/hour

45CSR2-3.1 limits opacity to 10% based on a six minute block average.

Permit Shield

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

Recordkeeping required by R13-2597 To determine hourly fuel usage. To determine 12-month rolling average and calendar year usage.

Compliance will be achieved by proper operation and maintenance of the boiler.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

AT	TACHMENT E - Emission Uni	t Form	
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control de	vices associated
T-1010	Urea Storage Silo	with this emission t	mit:C -1010
Provide a description of the emission Urea is delivered via tank trucks and T-191) or to the storage silo (T-1010) Emissions associated with S-196 are unloaded to T-151, the exhaust is cor unloaded to T-191, the exhaust is cor T-1010 then to a dissolution tank, the	on unit (type, method of operation, d rail cars then pneumatically conveyed). Pneumatic conveying from rail cars included in the emissions for baghouse trolled by baghouse S-151A. S-151A trolled by S-195 (which is vented to st exhaust from the dissolution tank is ve	esign parameters, etc to either a dissolution is controlled by bagho s S-151A and S-195. exhausts through S-19 ack F-176). Urea whic ented back to T-1010.	.): tank (T-151 or use S-196. When urea is 5. When urea is h is unloaded to
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1992	Modification date(s	3):
Design Capacity (examples: furnac	es - tons/hr, tanks - gallons): 156,00	0 lbs	
Maximum Hourly Throughput: 50,000 lb/hr Urea	Maximum Annual Throughput:	Maximum Operati 8760 hr/yr	ng Schedule:
Fuel Usage Data (fill out all applica	ble fields)		
Does this emission unit combust fu	el?Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	r maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if the maximum hourly and annual f	applicable, the secondary fuel type(s uel usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be u	sed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data			
Criteria Pollutants	Potentia	al Emissions	
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)	1000	00 4380	
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	ТРҮ	
Regulated Pollutants other than	Potential Emissions		
Criteria and HAP	PPH	TPY	

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.

R13-2050H.4.1.8. A maximum of 1,200,000 lbs/day urea shall be unloaded via railcar or truck to the facility. Rail cars and trucks unloading operations shall shall not occur simultaneously.

R13-2050H.4.1.9. The maximum annual quantity of materials unload at the facility shall not exceed the following:

- a. 83,000 tons of urea per year via railcars or trucks; and
- b. 25,000 tons of crude cyanuric acid per year via railcars.

R13-2050H.4.1.10 Minimum static pressure drop for baghouses S-151-A & S-195 is 2' water.

R13-2050H.4.1.10.a Monitoring and recordkeeping for each baghouse and for each parameter listed above shall be performed a minimum of once per week to determine compliance with the permitted limits.

R13-2050H.4.1.10.c Except for 24 hours following a new bag start-up.

R13-2050H.4.1.11 Maximum airflow for baghouse S-151-A & S-195 is 1,290 acfm

The opacity requirements of 45CSR7 will be met by proper operation and maintenance of the baghouses. Stacks are routinely checked (every 2 hours) by operations personnel for visible emissions.

Permit Shield

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

45CSR13 and R13-2050, 4.2.1. The permittee shall take static pressure drop and air flow rate measurements of the control devices at a minimum of once per week.

- 45CSR13, R13-2050, 4.2..1 and 45CSR30-5.1.c. The permittee shall maintain monthly records of the daily throughput of raw material (urea) unloaded (lbs/day), the average unloading rate (lb/hr), and the source of the unloading (railcar or truck). Compliance with the annual through put limit shall be demonstrated by maintaining a twelvemonth rolling total of raw material through put. These records shall be maintained on site for a period of five (5) years and made available to the Director or his/her duly authorized representative upon request. A complete "Certification of Data Accuracy Form" must appear on the reverse side of each record.
- 45CSR13, R13-2050, 4.2.1., and 45CSR30-5.1.c. Records of the static pressure drops and maximum air flow rates of the baghouses shall be maintained on site for a period of five (5) years and made available to the Director or his/her duly authorized representative upon request. A complete "Certification of Data Accuracy For" must appear on the reverse side of each record.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATT	ACHMENT E - Emission Uni	t Form	
Emission Unit Description			
Emission unit ID number: T-151	Emission unit name: Urea dissolution tank	List any control dev with this emission u	vices associated mit: S-151A
Provide a description of the emission Urea is delivered via tank trucks and r T-191) or to the storage silo (T-1010). Emissions associated with S-196 are in unloaded to T-151, the exhaust is cont unloaded to T-191, the exhaust is cont 1010 then to a dissolution tank, the exist	n unit (type, method of operation, de ail cars then pneumatically conveyed t Pneumatic conveying from rail cars in ncluded in the emissions for baghouse rolled by baghouse S-151A. S-151A rolled by S-195 (which is vented to sta haust from the dissolution tank is vent	esign parameters, etc. to either a dissolution t is controlled by baghor s S-151A and S-195. exhausts through S-19 ack F-176).Urea which ed back to T-1010.	ank (T-151 or use S-196. When urea is 5. When urea is is unloaded to T-
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1983	Modification date(s):
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 8016 ga	allons	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hr/yr	ng Schedule:
<i>Fuel Usage Data</i> (fill out all applical	ble fields)		
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be us	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data			
Criteria Pollutants	Potential Emissions		
	РРН	ТРҮ	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)	19803	86737	
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than	Potenti	al Emissions	
Criteria and HAP	РРН	TPY	
List the method(s) used to calculate the p versions of software used, source and dat	ootential emissions (include dat tes of emission factors, etc.).	tes of any stack tests conducted,	
Engineering Estimate Based on R13-2050 permit limit for ST176			

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.

R13-2050H.4.1.8. A maximum of 1,200,000 lbs/day urea shall be unloaded via railcar or truck to the facility. Rail cars and trucks unloading operations shall shall not occur simultaneously.

R13-2050H.4.1.9. The maximum annual quantity of materials unload at the facility shall not exceed the following:

- a. 83,000 tons of urea per year via railcars or trucks; and
- b. 25,000 tons of crude cyanuric acid per year via railcars.

R13-2050H.4.1.10 Minimum static pressure drop for baghouses S-151-A & S-195 is 2' water.

R13-2050H.4.1.10.a Monitoring and recordkeeping for each baghouse and for each parameter listed above shall be performed a minimum of once per week to determine compliance with the permitted limits.

R13-2050H.4.1.10.c Except for 24 hours following a new bag start-up.

R13-2050H.4.1.11 Maximum airflow for baghouse S-151-A & S-195 is 1,290 acfm

The opacity requirements of 45CSR7 will be met by proper operation and maintenance of the baghouses. Stacks are routinely checked (every 2 hours) by operations personnel for visible emissions.

Permit Shield

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

45CSR13 and R13-2050, 4.2.1. The permittee shall take static pressure drop and air flow rate measurements of the control devices at a minimum of once per week.

- 45CSR13, R13-2050, 4.2..1 and 45CSR30-5.1.c. The permittee shall maintain monthly records of the daily throughput of raw material (urea) unloaded (lbs/day), the average unloading rate (lb/hr), and the source of the unloading (railcar or truck). Compliance with the annual through put limit shall be demonstrated by maintaining a twelvemonth rolling total of raw material through put. These records shall be maintained on site for a period of five (5) years and made available to the Director or his/her duly authorized representative upon request. A complete "Certification of Data Accuracy Form" must appear on the reverse side of each record.
- 45CSR13, R13-2050, 4.2.1., and 45CSR30-5.1.c. Records of the static pressure drops and maximum air flow rates of the baghouses shall be maintained on site for a period of five (5) years and made available to the Director or his/her duly authorized representative upon request. A complete "Certification of Data Accuracy For" must appear on the reverse side of each record.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATT	ACHMENT E - Emission Uni	t Form	
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev	vices associated
T-191	Urea dissolution tank		IIII. 5-175
Provide a description of the emission Urea is delivered via tank trucks and r T-191) or to the storage silo (T-1010). Emissions associated with S-196 are in unloaded to T-151, the exhaust is cont unloaded to T-191, the exhaust is cont Urea which is unloaded to T-1010 the T-1010.	n unit (type, method of operation, de ail cars then pneumatically conveyed t Pneumatic conveying from rail cars in ncluded in the emissions for baghouse rolled by baghouse S-151A. S-151A rolled by S-195 (which is vented to sta n to a dissolution tank, the exhaust fro	esign parameters, etc. to either a dissolution t is controlled by baghor s S-151A and S-195. exhausts through S-19 ack F-176). m the dissolution tank	a): cank (T-151 or use S-196. When urea is 5. When urea is is vented back to
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1983	Modification date(s MM/DD/YYYY):
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 8016 ga	allons	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatio	ng Schedule:
<i>Fuel Usage Data</i> (fill out all applical	ble fields)		
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be us	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Potential Emissions		
РРН	TPY	
19803	86737	
Potential	l Emissions	
РРН	TPY	
Potentia	Emissions	
PPH	TPY	
potential emissions (include dates tes of emission factors, etc.).	s of any stack tests conducted,	
	Potential PPH	

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.

R13-2050H.4.1.8. A maximum of 1,200,000 lbs/day urea shall be unloaded via railcar or truck to the facility. Rail cars and trucks unloading operations shall shall not occur simultaneously.

R13-2050H.4.1.9. The maximum annual quantity of materials unload at the facility shall not exceed the following:

- a. 83,000 tons of urea per year via railcars or trucks; and
- b. 25,000 tons of crude cyanuric acid per year via railcars.

R13-2050H.4.1.10 Minimum static pressure drop for baghouses S-151-A & S-195 is 2' water.

R13-2050H.4.1.10.a Monitoring and recordkeeping for each baghouse and for each parameter listed above shall be performed a minimum of once per week to determine compliance with the permitted limits.

R13-2050H.4.1.10.c Except for 24 hours following a new bag start-up.

R13-2050H.4.1.11 Maximum airflow for baghouse S-151-A & S-195 is 1,290 acfm

The opacity requirements of 45CSR7 will be met by proper operation and maintenance of the baghouses. Stacks are routinely checked (every 2 hours) by operations personnel fro visible emissions.

Permit Shield

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

45CSR13 and R13-2050, 4.2.1. The permittee shall take static pressure drop and air flow rate measurements of the control devices at a minimum of once per week.

- 45CSR13, R13-2050, 4.2..1 and 45CSR30-5.1.c. The permittee shall maintain monthly records of the daily throughput of raw material (urea) unloaded (lbs/day), the average unloading rate (lb/hr), and the source of the unloading (railcar or truck). Compliance with the annual through put limit shall be demonstrated by maintaining a twelvemonth rolling total of raw material through put. These records shall be maintained on site for a period of five (5) years and made available to the Director or his/her duly authorized representative upon request. A complete "Certification of Data Accuracy Form" must appear on the reverse side of each record.
- 45CSR13, R13-2050, 4.2.1., and 45CSR30-5.1.c. Records of the static pressure drops and maximum air flow rates of the baghouses shall be maintained on site for a period of five (5) years and made available to the Director or his/her duly authorized representative upon request. A complete "Certification of Data Accuracy For" must appear on the reverse side of each record.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev	vices associated
F-101	A Calciner - Zone A Combustion	with this emission u	init:
	Emissions		
Provide a description of the emission A-Kiln is a 6.5' x 73' long calciner used combustion are exhausted through two exhausted through an ammonia burner urea and cyanuric acid and returns it to In the event of a malfunction with the a solution to captive water to control am scrubber. Includes the following equipment: A-I conveyor C-112, elevator C-101, recyc	a unit (type, method of operation, de d for the pyrolysis of urea. The kiln is stacks (ST-102/Zone A & ST-103/Zo to stack ST-130. Process emissions p the kiln. This scrubber is a piece of p ammonia burner, the process scrubber monia and the process emissions are e Kiln, F-101, A-Kiln recycle bin T-102 cle discharge bin conveyor C-106	esign parameters, etc a natural gas fired. Th one B). The process en- bass through a scrubbe process equipment, no is switched from a ur- exhausted through an e	.): e products of nissions are r which recovers t a control device. ea scrubbing emergency C-111, feed
Manufacturer: Bartlett-Snow-Pacific	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: 01/01/1963	Modification date(s MM/DD/YYYY):
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 18.9 MI	MBtu/hr or 9.45 MME	Btu/hr/zone
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 24 hours per day, 7 8760 hours per year	ng Schedule: days per week,
Fuel Usage Data (fill out all applicab	le fields)		
Does this emission unit combust fuel	? <u>X</u> Yes No	If yes, is it?	
		<u>X</u> Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
18.9 MMBtu/hr or 9.45 MMBtu/hr/zone			
List the primary fuel type(s) and if a the maximum hourly and annual fue Natural gas	pplicable, the secondary fuel type(s) el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be use	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas	0	0	1020.7 BTU/CF

Emissions Data		
Criteria Pollutants	Potential Emissions	
	РРН	TPY
Carbon Monoxide (CO)	0.7782	3.409
Nitrogen Oxides (NO _X)	0.9265	4.058
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	0.0685	0.3
Sulfur Dioxide (SO ₂)	0.0056	0.025
Volatile Organic Compounds (VOC)	0.0537	4.058
Hazardous Air Pollutants	Potent	tial Emissions
	PPH	TPY
Regulated Pollutants other than	Potent	tial Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the po	otential emissions (include da	ites of any stack tests conducted.
versions of software used, source and date	es of emission factors, etc.).	·
AP-42 (3/98) Table 1.4-2		
Actual 1998 Emissions		
lb/hr TPY		
NOx 0.743 2.736 CO 0.542 1.996		
VOC 0.036 0.131		

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.

45CSR7-3.1 & 7-3.2 limit opacity.

R13-2050H.4.1.4. The maximum hourly and annual plantwide production of cyanuric acid (CA) from kilns A, B, C and D shall not exceed 11,900 pounds per hour and 52,122 tons per year.

Permit Shield

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

45CSR7-3.1 & 7-3.2 limit opacity. Two of the stacks (ST-102 & ST-103) exhaust only the products of natural gas combustion. The third stack (ST-130) exhausts through a scrubber (for CA & urea) and an afterburner (to control ammonia), which is fueled by natural gas. Since these stacks are either natural gas combustion only, or are controlled by a natural gas afterburner, proper maintenance and operation of the kiln and control devices assure compliance.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev	vices associated
F-101	A Calciner - Zone B Combustion	with this emission u	mit:
	Emissions		
Provide a description of the emission A-Kiln is a 6.5' x 73' long calciner use combustion are exhausted through two exhausted through an ammonia burner urea and cyanuric acid and returns it to In the event of a malfunction with the solution to captive water to control am scrubber. Includes the following equipment: A- conveyor C-112, elevator C-101, recyc	a unit (type, method of operation, de d for the pyrolysis of urea. The kiln is o stacks (ST-102/Zone A & ST-103/Zo to stack ST-130. Process emissions p o the kiln. This scrubber is a piece of p ammonia burner, the process scrubber monia and the process emissions are e Kiln, F-101, A-Kiln recycle bin T-102 cle discharge bin conveyor C-106	esign parameters, etc s natural gas fired. Th one B). The process en bass through a scrubbe process equipment, no is switched from a unexhausted through an e	.): e products of missions are r which recovers t a control device. ea scrubbing emergency C-111, feed
Manufacturer: Bartlett-Snow-Pacific	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: 01/01/1963	Modification date(s MM/DD/YYYY	»):
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 18.9 M	MBtu/hr or 9.45 MME	Btu/hr/zone
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 24 hours per day, 7 8760 hours per year	ng Schedule: days per week,
Fuel Usage Data (fill out all applicat	ole fields)		
Does this emission unit combust fue	? <u>X</u> Yes No	If yes, is it?	
		<u>X</u> Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
18.9 MMBtu/hr or 9.45 MMBtu/hr/zone			
List the primary fuel type (s) and if a the maximum hourly and annual fue Natural gas	applicable, the secondary fuel type(s) el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be us	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas	0	0	1020.7 BTU/CF

Emissions Data		
Criteria Pollutants	Potentia	l Emissions
	РРН	ТРҮ
Carbon Monoxide (CO)	0.7782	3.409
Nitrogen Oxides (NO _X)	0.9265	4.058
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	0.0685	0.3
Sulfur Dioxide (SO ₂)	0.0056	0.025
Volatile Organic Compounds (VOC)	0.0537	4.058
Hazardous Air Pollutants	Potentia	l Emissions
	РРН	TPY
Regulated Pollutants other than	Potentia	l Emissions
Criteria and HAP	РРН	TPY
I ist the method(s) used to calculate the no	tantial amissions (include date	a of any stack tests conducted
versions of software used, source and date	s of emission factors, etc.).	5 01 any stack usis conducted,
AP-42 (3/98) Table 1.4-2		
Actual 1008 Emissions		
lb/hr TPY		
NOx 0.743 2.736		
CO 0.542 1.996		

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.

45CSR7-3.1 & 7-3.2 limit opacity.

R13-2050H.4.1.4. The maximum hourly and annual plantwide production of cyanuric acid (CA) from kilns A, B, C and D shall not exceed 11,900 pounds per hour and 52,122 tons per year.

Permit Shield

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

45CSR7-3.1 & 7-3.2 limit opacity. Two of the stacks (ST-102 & ST-103) exhaust only the products of natural gas combustion. The third stack (ST-130) exhausts through a scrubber (for CA & urea) and an afterburner (to control ammonia), which is fueled by natural gas. Since these stacks are either natural gas combustion only, or are controlled by a natural gas afterburner, proper maintenance and operation of the kiln and control devices assure compliance.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

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Emission Unit Form (emission_unit.doc) Page 3 of 3 Revised – 07/31/07

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number: F-101	Emission unit name: A Calciner - Process Emissions	List any control dev with this emission u Scrubber, F-104 A A Afterburner	vices associated mit:D-101 A Ammonia
Provide a description of the emission A-Kiln is a 6.5' x 73' long calciner user combustion are exhausted through two exhausted through an ammonia burner urea and cyanuric acid and returns it to In the event of a malfunction with the solution to captive water to control am scrubber. Includes the following equipment: A- conveyor C-112, elevator C-101, recyc	h unit (type, method of operation, de d for the pyrolysis of urea. The kiln is stacks (ST-102/Zone A & ST-103/Zo to stack ST-130. Process emissions p the kiln. This scrubber is a piece of p ammonia burner, the process scrubber monia and the process emissions are e Kiln, F-101, A-Kiln recycle bin T-102 cle discharge bin conveyor C-106	esign parameters, etc. s natural gas fired. The one B). The process en- basis through a scrubbe process equipment, no is switched from a urc exhausted through an e c, discharge conveyor (.): e products of nissions are r which recovers t a control device. ea scrubbing emergency C-111, feed
Manufacturer: Bartlett-Snow-Pacific	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: 01/01/1963	Modification date(s MM/DD/YYYY):
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons):		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 24 hours per day, 7 8760 hours per year	ng Schedule: days per week,
Fuel Usage Data (fill out all applicat	ole fields)		
Does this emission unit combust fuel	? <u>X</u> Yes No	If yes, is it?	
		Indirect Fired	<u>X</u> _Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra 5 million BTU/hr	ting of burners:
List the primary fuel type(s) and if a the maximum hourly and annual fue Natural gas Ammonia	applicable, the secondary fuel type(s) el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be use	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas	0	0	1020.7 BTU/CF

	D	
Criteria Pollutants	Potentia	al Emissions
	РРН	ТРҮ
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)	18.7	81.9
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	0.0685	0.3
Sulfur Dioxide (SO ₂)	0.0056	0.025
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potentia	al Emissions
	PPH	TPY
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the p versions of software used, source and da	potential emissions (include dat tes of emission factors, etc.).	es of any stack tests conducted,
Stack Test dates: 2/16/98, 2/26/98, 5/13/9	8, 5/14/98	
Stack Test dates. 2/10/96, 2/20/96, 3/15/9	5, 3/14/98	

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.

45CSR7-3.1 & 7-3.2 limit opacity.

R13-2050H.4.1.4. The maximum hourly and annual plantwide production of cyanuric acid (CA) from kilns A, B, C and D shall not exceed 11,900 pounds per hour and 52,122 tons per year.

Permit Shield

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

45CSR7-3.1 & 7-3.2 limit opacity. Two of the stacks (ST-102 & ST-103) exhaust only the products of natural gas combustion. The third stack (ST-130) exhausts through a scrubber (for CA & urea) and an afterburner (to control ammonia), which is fueled by natural gas. Since these stacks are either natural gas combustion only, or are controlled by a natural gas afterburner, proper maintenance and operation of the kiln and control devices assure compliance.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number: F-121	Emission unit name: B Calciner - Zone A Combustion Emissions (Not in Service)	List any control de with this emission u	vices associated mit:
Provide a description of the emission B-Kiln is a 6.5' x 73' long calciner use combustion are exhausted through two exhausted through an ammonia burner urea and cyanuric acid and returns it to In the event of a malfunction with the solution to captive water to control am scrubber. Includes the following equipment: B-	n unit (type, method of operation, de d for the pyrolysis of urea. The kiln is stacks (ST-122/Zone A & ST-123/Zo to stack ST-131. Process emissions p the kiln. This scrubber is a piece of p ammonia burner, the process scrubber monia and the process emissions are e Kiln, screw conveyors, bucket elevato	esign parameters, etc s natural gas fired. Th one B). The process er pass through a scrubbe process equipment, no is switched from a ur exhausted through an er r, recycle tank, and a f	.): e products of missions are r which recovers t a control device. ea scrubbing emergency feed tank.
Manufacturer: Bartlett-Snow-Pacific	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: 01/01/1968	Modification date(s MM/DD/YYYY	»):
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 18.9 M	MBtu/hr or 9.45 MME	Btu/hr/zone
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 24 hours per day, 7 8760 hours per year	ng Schedule: days per week,
Fuel Usage Data (fill out all applicat	ble fields)	I	
Does this emission unit combust fuel	? <u>X</u> Yes No	If yes, is it?	
		<u>X</u> Indirect FiredDirect Fired	
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
18.9 MMBtu/hr or 9.45 MMBtu/hr/zor	ne		
List the primary fuel type(s) and if a the maximum hourly and annual fue Natural gas	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be us	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas	0	0	1020.7 BTU/CF

Potentia	al Emissions
PPH	TPY
0.7782	3.409
0.9265	4.058
0.0685	0.3
0.0056	0.025
0.0537	4.058
Potentia	al Emissions
PPH	TPY
Potentia	al Emissions
РРН	ТРҮ
otential emissions (include date es of emission factors, etc.).	es of any stack tests conducted,
	Potentia PPH 0.7782 0.9265 0.09265 0.0056 0.0056 0.00537 Potentia PPH PPH PPH otentia PPH otentia PPH

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.

45CSR7-3.1 & 7-3.2 limit opacity.

R13-2050H.4.1.4. The maximum hourly and annual plantwide production of cyanuric acid (CA) from kilns A, B, C and D shall not exceed 11,900 pounds per hour and 52,122 tons per year.

Permit Shield

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

45CSR7-3.1 & 7-3.2 limit opacity. Two of the stacks (ST-122 & ST-123) exhaust only the products of natural gas combustion. The third stack (ST-131) exhausts through a scrubber (for CA & urea) and an afterburner (to control ammonia), which is fueled by natural gas. Since these stacks are either natural gas combustion only, or are controlled by a natural gas afterburner, proper maintenance and operation of the kiln and control devices assure compliance.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number: F-121	Emission unit name: B Calciner - Zone B Combustion Emissions (Not in Service)	List any control dev with this emission u	vices associated mit:
Provide a description of the emission unit (type, method of operation, design parameters, etc.): B-Kiln is a 6.5' x 73' long calciner used for the pyrolysis of urea. The kiln is natural gas fired. The products of combustion are exhausted through two stacks (ST-122/Zone A & ST-123/Zone B). The process emissions are exhausted through an ammonia burner to stack ST-131. Process emissions pass through a scrubber which recovers urea and cyanuric acid and returns it to the kiln. This scrubber is a piece of process equipment, not a control device. In the event of a malfunction with the ammonia burner, the process scrubber is switched from a urea scrubbing solution to captive water to control ammonia and the process emissions are exhausted through an emergency scrubber. Includes the following equipment: B-Kiln, screw conveyors, bucket elevator, recycle tank, and a feed tank.			
Manufacturer: Bartlett-Snow-Pacific	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: 01/01/1968	Modification date(s MM/DD/YYYY):
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 18.9 MI	MBtu/hr or 9.45 MME	8tu/hr/zone
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 24 hours per day, 7 8760 hours per year	ng Schedule: days per week,
Fuel Usage Data (fill out all applicat	le fields)		
Does this emission unit combust fuel	? <u>X</u> Yes No	If yes, is it?	
		<u>X</u> Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
18.9 MMBtu/hr or 9.45 MMBtu/hr/zor	ie		
List the primary fuel type(s) and if a the maximum hourly and annual fue Natural gas	pplicable, the secondary fuel type(s) el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be use	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas	0	0	1020.7 BTU/CF

ritoria Pollutante	Potentia	l Emissions
	РРН	TPY
Carbon Monoxide (CO)	0.7782	3.409
Nitrogen Oxides (NO _x)	0.9265	4.058
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	0.0685	0.3
Sulfur Dioxide (SO ₂)	0.0056	0.025
Volatile Organic Compounds (VOC)	0.0537	4.058
Hazardous Air Pollutants	Potentia	l Emissions
	PPH	TPY
Regulated Pollutants other than	Potentia	l Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the p versions of software used, source and dat	otential emissions (include date es of emission factors, etc.).	s of any stack tests conducted,
AP-42 (3/98) Table 1.4-2		
Actual 1008 Emissions		
lb/hr TPY		
NOx 0.646 2.397 CO 0.542 2.013		
2.015		

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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.

45CSR7-3.1 & 7-3.2 limit opacity.

R13-2050H.4.1.4. The maximum hourly and annual plantwide production of cyanuric acid (CA) from kilns A, B, C and D shall not exceed 11,900 pounds per hour and 52,122 tons per year.

Permit Shield

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

45CSR7-3.1 & 7-3.2 limit opacity. Two of the stacks (ST-122 & ST-123) exhaust only the products of natural gas combustion. The third stack (ST-131) exhausts through a scrubber (for CA & urea) and an afterburner (to control ammonia), which is fueled by natural gas. Since these stacks are either natural gas combustion only, or are controlled by a natural gas afterburner, proper maintenance and operation of the kiln and control devices assure compliance.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATT	ACHMENT E - Emission Unit	t Form	
Emission Unit Description			
Emission unit ID number: F-121	Emission unit name: B Calciner - Process Emissions (Not in Service)	List any control dev with this emission u Scrubber, F-124 B A Afterburner	vices associated mit: D-121 B .mmonia
Provide a description of the emission B-Kiln is a 6.5' x 73' long calciner used combustion are exhausted through two exhausted through an ammonia burner urea and cyanuric acid and returns it to In the event of a malfunction with the solution to captive water to control am scrubber. Includes the following equipment: B-D	n unit (type, method of operation, de d for the pyrolysis of urea. The kiln is stacks (ST-122/Zone A & ST-123/Zo to stack ST-131. Process emissions p the kiln. This scrubber is a piece of p ammonia burner, the process scrubber monia and the process emissions are e Kiln, screw conveyors, bucket elevator	esign parameters, etc. s natural gas fired. The one B). The process er bass through a scrubbe process equipment, no is switched from a ure exhausted through an e r, recycle tank, and a f	a): e products of missions are r which recovers t a control device. ea scrubbing emergency Feed tank.
Manufacturer: Bartlett-Snow-Pacific	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: 01/01/1968	Modification date(s MM/DD/YYYY):
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons):	L	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 24 hours per day, 7 8760 hours per year	ng Schedule: days per week,
Fuel Usage Data (fill out all applicat	ole fields)		
Does this emission unit combust fuel	? <u>X</u> Yes No	If yes, is it?	
		Indirect Fired	<u>X</u> _Direct Fired
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of burner 5 million BTU/hr		ting of burners:	
List the primary fuel type(s) and if a the maximum hourly and annual fue Natural gas Ammonia	applicable, the secondary fuel type(s) el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be use	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas	0	0	1020.7 BTU/CF

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	ТРҮ
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)	27.5	120.45
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	0.0685	0.3
Sulfur Dioxide (SO ₂)	0.0056	0.025
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potenti	al Emissions
	PPH	TPY
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	PPH	TPY
List the method(s) used to calculate th versions of software used, source and Stack Test dates: 2/16/98, 2/26/98, 5/13	e potential emissions (include dat dates of emission factors, etc.). /98, 5/14/98	tes of any stack tests conducted,

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.

45CSR7-3.1 & 7-3.2 limit opacity.

R13-2050H.4.1.4. The maximum hourly and annual plantwide production of cyanuric acid (CA) from kilns A, B, C and D shall not exceed 11,900 pounds per hour and 52,122 tons per year.

Permit Shield

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

45CSR7-3.1 & 7-3.2 limit opacity. Two of the stacks (ST-122 & ST-123) exhaust only the products of natural gas combustion. The third stack (ST-131) exhausts through a scrubber (for CA & urea) and an afterburner (to control ammonia), which is fueled by natural gas. Since these stacks are either natural gas combustion only, or are controlled by a natural gas afterburner, proper maintenance and operation of the kiln and control devices assure compliance.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form Emission Unit Description				
F-161	C Calciner - Zone A Combustion	with this emission u	mit:	
	Emissions			
Provide a description of the emission C-Kiln is a 6.5' x 73' long calciner used combustion are exhausted through two exhausted through an ammonia burner urea and cyanuric acid and returns it to In the event of a malfunction with the solution to captive water to control am scrubber. Includes the following equipment: C-1	a unit (type, method of operation, de d for the pyrolysis of urea. The kiln is stacks (ST-162/Zone A & ST-163/Zo to stack ST-171. Process emissions p the kiln. This scrubber is a piece of p ammonia burner, the process scrubber monia and the process emissions are e Kiln, screw conveyors, bucket elevato	esign parameters, etc s natural gas fired. The one B). The process en- pass through a scrubbe process equipment, no is switched from a ur- exhausted through an e- r, recycle tank, and a f	.): e products of missions are r which recovers t a control device. ea scrubbing emergency feed tank.	
Manufacturer: Bartlett-Snow-Pacific	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: 01/01/1972	Modification date(s): MM/DD/YYYY		
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 18.9 M	MBtu/hr or 9.45 MME	Btu/hr/zone	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 24 hours per day, 7 days per week, 8760 hours per year		
Fuel Usage Data (fill out all applicab	ole fields)			
Does this emission unit combust fuel? <u>X</u> Yes No		If yes, is it?		
		<u>X</u> Indirect FiredDirect Fired		
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr rating of burners:		
18.9 MMBtu/hr or 9.45 MMBtu/hr/zone				
List the primary fuel type(s) and if a the maximum hourly and annual fue Natural gas	pplicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide	
Describe each fuel expected to be use	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
Natural gas	0	0	1020.7 BTU/CF	

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	0.7782	3.409	
Nitrogen Oxides (NO _X)	0.9265	4.058	
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Fotal Particulate Matter (TSP)	0.0685	0.3	
Sulfur Dioxide (SO ₂)	0.0056	0.025	
Volatile Organic Compounds (VOC)	0.0537	4.058	
Hazardous Air Pollutants	Potential Emissions		
	РРН	TPY	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	ТРҮ	
List the method(s) used to calculate the versions of software used, source and da	potential emissions (include date ites of emission factors, etc.).	es of any stack tests conducted,	
AP-42 (3/98) Table 1.4-2			
Actual 1998 Emissions			
lb/hr TPY			
NOx 0.646 2.448			
AP-42 (3/98) Table 1.4-2 Actual 1998 Emissions lb/hr TPY			
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.

45CSR7-3.1 & 7-3.2 limit opacity.

R13-2050H.4.1.4 The maximum hourly and annual plantwide production of cyanuric acid (CA) from kilns A, B, C and D shall not exceed 11,900 pounds per hour and 52,122 tons per year.

Permit Shield

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

45CSR7-3.1 & 7-3.2 limit opacity. Two of the stacks (ST-162 & ST-163) exhaust only the products of natural gas combustion. The third stack (ST-171) exhausts through a scrubber (for CA & urea) and an afterburner (to control ammonia), which is fueled by natural gas. Since these stacks are either natural gas combustion only, or are controlled by a natural gas afterburner, proper maintenance and operation of the kiln and control devices assure compliance.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

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ATTACHMENT E - Emission Unit Form

Emission Unit Description

•		
Emission unit ID number:	Emission unit name:	List any control devices associated
F-161	C Calciner - Zone B Combustion	with this emission unit:
	Emissions	

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

C-Kiln is a 6.5' x 73' long calciner used for the pyrolysis of urea. The kiln is natural gas fired. The products of combustion are exhausted through two stacks (ST-162/Zone A & ST-163/Zone B). The process emissions are exhausted through an ammonia burner to stack ST-171. Process emissions pass through a scrubber which recovers urea and cyanuric acid and returns it to the kiln. This scrubber is a piece of process equipment, not a control device. In the event of a malfunction with the ammonia burner, the process scrubber is switched from a urea scrubbing solution to captive water to control ammonia and the process emissions are exhausted through an emergency scrubber.

Includes the following equipment: C-Kiln, screw conveyors, bucket elevator, recycle tank, and a feed tank.

Manufacturer: Bartlett-Snow-Pacific	Model number:	Serial number:
Construction date:	Installation date:	Modification date(s):
MM/DD/YYYY	01/01/1972	MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 18.9 MMBtu/hr or 9.45 MMBtu/hr/zone

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 24 hours per day, 7 days per week, 8760 hours per year
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? <u>X</u> Yes No	If yes, is it?
	<u>_X</u> Indirect FiredDirect Fired
Maximum design heat input and/or maximum horsepower rating:	Type and Btu/hr rating of burners:

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

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas	0	0	1020.7 BTU/CF

Emissions Data		
Criteria Pollutants	Potentia	al Emissions
	PPH	ТРҮ
Carbon Monoxide (CO)	0.7782	3.409
Nitrogen Oxides (NO _X)	0.9265	4.058
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Fotal Particulate Matter (TSP)	0.0685	0.3
Sulfur Dioxide (SO ₂)	0.0056	0.025
Volatile Organic Compounds (VOC)	0.0537	4.058
Hazardous Air Pollutants	Potentia	al Emissions
	РРН	TPY
Regulated Pollutants other than	Potentia	al Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the j versions of software used, source and da	potential emissions (include date tes of emission factors, etc.).	es of any stack tests conducted,
AP-42 (3/98) Table 1.4-2		
Actual 1998 Emissions		
lb/hr TPY		
NOx 0.646 2.448		
AP-42 (3/98) Table 1.4-2 Actual 1998 Emissions lb/hr TPY		

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.

45CSR7-3.1 & 7-3.2 limit opacity.

R13-2050H.4.1.4 The maximum hourly and annual plantwide production of cyanuric acid (CA) from kilns A, B, C and D shall not exceed 11,900 pounds per hour and 52,122 tons per year.

Permit Shield

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

45CSR7-3.1 & 7-3.2 limit opacity. Two of the stacks (ST-162 & ST-163) exhaust only the products of natural gas combustion. The third stack (ST-171) exhausts through a scrubber (for CA & urea) and an afterburner (to control ammonia), which is fueled by natural gas. Since these stacks are either natural gas combustion only, or are controlled by a natural gas afterburner, proper maintenance and operation of the kiln and control devices assure compliance.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

Page _____ of _____

Emission Unit Form (emission_unit.doc) Page 3 of 3 Revised – 07/31/07

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: F-161	Emission unit name: C Calciner - Process Emissions	List any control dev with this emission u Scrubber, F-164 C A Afterburner	vices associated mit:D-161 C Ammonia	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): C-Kiln is a 6.5' x 73' long calciner used for the pyrolysis of urea. The kiln is natural gas fired. The products of combustion are exhausted through two stacks (ST-162/Zone A & ST-163/Zone B). The process emissions are exhausted through an ammonia burner to stack ST-171. Process emissions pass through a scrubber which recovers urea and cyanuric acid and returns it to the kiln. This scrubber is a piece of process equipment, not a control device. In the event of a malfunction with the ammonia burner, the process scrubber is switched from a urea scrubbing solution to captive water to control ammonia and the process emissions are exhausted through an emergency scrubber. Includes the following equipment: C-Kiln, screw conveyors, bucket elevator, recycle tank, and a feed tank.				
Manufacturer: Bartlett-Snow-Pacific	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: 01/01/1972	Modification date (s MM/DD/YYYY):	
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons):	I		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 24 hours per day, 7 8760 hours per year	ng Schedule: days per week,	
Fuel Usage Data (fill out all applicat	ble fields)	-		
Does this emission unit combust fuel	? <u>X</u> Yes No	If yes, is it?		
		Indirect Fired	<u>X</u> Direct Fired	
Maximum design heat input and/or maximum horsepower rating:Type and Btu/hr rating of burners:5 million BTU/hr				
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Natural gas Ammonia				
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
Natural gas	0	0	1020.7 BTU/CF	

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)	24	105.12
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	0.0685	0.3
Sulfur Dioxide (SO ₂)	0.0056	0.025
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potent	tial Emissions
	PPH	TPY
Regulated Pollutants other than	Potent	tial Emissions
Criteria and HAP	PPH	TPY
I ist the method(s) used to calculate the r	notential emissions (include da	tes of any stack tests conducted
versions of software used, source and da	tes of emission factors, etc.).	tes of any stack tests conducted,
Stack Test dates: 2/16/98, 2/26/98, 5/13/98	8, 5/14/98	

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.

45CSR7-3.1 & 7-3.2 limit opacity.

R13-2050H.4.1.4. The maximum hourly and annual plantwide production of cyanuric acid (CA) from kilns A, B, C and D shall not exceed 11,900 pounds per hour and 52,122 tons per year.

Permit Shield

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

45CSR7-3.1 & 7-3.2 limit opacity. Two of the stacks (ST-162 & ST-163) exhaust only the products of natural gas combustion. The third stack (ST-171) exhausts through a scrubber (for CA & urea) and an afterburner (to control ammonia), which is fueled by natural gas. Since these stacks are either natural gas combustion only, or are controlled by a natural gas afterburner, proper maintenance and operation of the kiln and control devices assure compliance.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control devices associate		
F-1801	D Calciner - Combustion	with this emission u	init:	
	Emissions			
Provide a description of the emission unit (type, method of operation, design parameters, etc.): D Kiln is an 8' X 96' long calciner used for the pyrolysis of urea. The kiln is natural gas fired. The products of combustion are exhausted through stack ST-1802. The process emissions are exhausted through an ammonia burner to stack ST-1806. Process emissions pass through a scrubber which recovers urea and cyanuric acid and returns it to the kiln. This scrubber is a piece of process equipment, not a control device. In the event of a malfunction with the ammonia burner, the process scrubber is switched from a urea scrubbing solution to captive water to control ammonia and the process emissions are exhausted through an emergency scrubber. Includes the following equipment: D Kiln Recycle Bin T-1802, Discharge Screw C-1811, Feed Screw C-1812, Elevator C-1801, Recycle Feed Bin Screw C-1813, Recycle Bin Discharge Conveyor C-1806, Screw Conveyor C-1814, Screw Conveyor C-1815, Receiver Conveyor C-1803				
Manufacturer: Svedala	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: 07/01/1997	Modification date(s MM/DD/YYYY):	
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 13.65 N	//MBtu/hr		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 24 hours per day, 7 days per week, 8760 hours per year		
Fuel Usage Data (fill out all applical	ble fields)			
Does this emission unit combust fuel? X Yes No If yes, is it?				
X Indirect Fired Direct Fired				
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
13.65 MMBtu/hr				
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Natural gas				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
Natural gas	0	0	1020.7 BTU/CF	

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	ТРҮ
Carbon Monoxide (CO)	0.29	1.26
Nitrogen Oxides (NO _X)	1.37	6.00
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	0.16	0.717
Sulfur Dioxide (SO ₂)	0.0082	0.036
Volatile Organic Compounds (VOC)	0.072	0.316
Hazardous Air Pollutants	Potentia	l Emissions
	PPH	ТРҮ
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	PPH	ТРҮ
List the method(s) used to calculate the versions of software used, source and d	potential emissions (include date ates of emission factors, etc.).	es of any stack tests conducted,
AFS Point 011, Segment 2		
Actual 1998 Emissions lb/hr TPY NOx 1.29 0.405 CO 1.086 0.341 VOC 0.070 0.022		

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.

45CSR7-3.1 & 7-3.2 limit opacity.

R13-2050H.4.1.2. The permittee shall vent the emission units to the Ammonia Incinerator, F-1804 as indicated in Table 1.0 at all times except when no process-generated emissions are occurring. Then the event of an unavoidable malfunction such as a power outage, or during periods of routine on-line rodding out, process generated emissions to the atmosphere shall be minimized by the permittee taking the following actions:

a. Continue to operate the Ammonia Incinerator, F-1804, if practical.

- b. If the Ammonia Incinerator, F-1804, operating temperature falls below 950 ° C or rises above 1050 ° C, then the permittee shall:
 - i. Halt urea feed to the urea kiln D, F-1801.
 - ii. Minimize process generated emissions by switching quench sprays on the D-1801 Urea Scrubber to captive water.

R13-2050H.4.1.3. The maximum hourly amount of urea fed to kiln D (F-1801) shall not exceed 6200 pounds urea (dry weight basis) per hour from storage.

R13-2050H.4.1.4. The maximum hourly and annual plantwide production of cyanuric acid (CA) from kilns A, B, C and D shall not exceed 11,900 pounds per hour and 52,122 tons per year.

R13-2050H.4.1.5. The maximum hourly natural gas usage for kiln D shall not exceed 13,075 scf/hr and 114.5 MMscf/yr.

R13-2050H.4.1.6. The permittee shall install, calibrate, and maintain a device to continuously monitor and record the operating temperature of Ammonia Incinerator F-1804. Except during startup/shutdown of Ammonia Incinerator F-1804, or as allowed by Condition 4.1.2. of this permit, the operating temperature of Ammonia Incinerator F-1804 shall be maintained at the following conditions while process-generated emissions vented, according to Table 1.0 are occurring.

a. The minimum operating temperature shall be 950°C.

b. The maximum operating temperature shall be 1050°C.

R13-2050H.4.1.7. Ammonia incinerator F-1804 shall maintain a minimum ammonia destruction efficiency of 98.7%.

Permit Shield

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

45CSR7-3.1 & 7-3.2 limit opacity. Stack ST-1802 exhaust only the products of natural gas combustion. Stack (ST-1806) exhausts through a scrubber (for CA & urea) and an afterburner (to control ammonia), which is fueled by natural gas. Since these stacks are either natural gas combustion only, or are controlled by a natural gas afterburner, proper maintenance and operation of the kiln and control devices assure compliance.

R13-2050H 4.2.1 To determine compliance with permitted natural gas fuel use limits, raw material (urea) limits, product (purified CA) limits, and vendor received crude cyanuric acid limits, the permittee shall maintain records of daily, monthly, and annual throughputs. In addition, the permittee shall maintain records of air pollution control devices to show compliance with the parameters identified of Condition 4.1.1 of this permit. Such records must be maintained in accordance with Condition 3.4.1.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: F-1801	Emission unit name: D Calciner - Process Emissions	List any control dev with this emission u Scrubber, F-1804 D Afterburner	vices associated mit: D-1801 D Ammonia		
Provide a description of the emission unit (type, method of operation, design parameters, etc.): D Kiln is an 8' X 96' long calciner used for the pyrolysis of urea. The kiln is natural gas fired. The products of combustion are exhausted through stack ST-1802. The process emissions are exhausted through an ammonia burner to stack ST-1806. Process emissions pass through a scrubber which recovers urea and cyanuric acid and returns it to the kiln. This scrubber is a piece of process equipment, not a control device. In the event of a malfunction with the ammonia burner, the process scrubber is switched from a urea scrubbing solution to captive water to control ammonia and the process emissions are exhausted through an emergency scrubber. Includes the following equipment: D Kiln Recycle Bin T-1802, Discharge Screw C-1811, Feed Screw C-1812, Elevator C-1801, Recycle Feed Bin Screw C-1813, Recycle Bin Discharge Conveyor C-1806, Screw Conveyor C-1814. Screw Conveyor C-1815. Receiver Conveyor C-1803					
Manufacturer: Svedala	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: 07/01/1997	Modification date(s MM/DD/YYYY):		
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons):	I			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 24 hours per day, 7 c 8760 hours per year	ng Schedule: lays per week,		
Fuel Usage Data (fill out all applicat	ble fields)				
Does this emission unit combust fuel	? <u>X</u> Yes No	If yes, is it?			
		Indirect Fired	X_Direct Fired		
Maximum design heat input and/or	Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of burners:				
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Natural gas Ammonia					
Describe each fuel expected to be us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		
Natural gas	0	0	1020.7 BTU/CF		

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.78	3.4
Nitrogen Oxides (NO _X)	6.9	30.2
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	0.30	1.33
Sulfur Dioxide (SO ₂)	0.013	0.058
Volatile Organic Compounds (VOC)	0.06	0.271
Hazardous Air Pollutants	Potentia	l Emissions
	PPH	TPY
Regulated Pollutants other than	Potentia	l Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the pot versions of software used, source and dates Stack test date June 6, 1999	tential emissions (include date s of emission factors, etc.).	es of any stack tests conducted,

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.

45CSR7-3.1 & 7-3.2 limit opacity.

R13-2050H 4.1.1. The emissions from F-1804 Ammonia Incinerator shall not exceed the following emission limits, as well as the venting arrangements, set forth in Table 1.0 of this permits. Any reference to an annual limit in this permit refers to any consecutive twelve (12) month period.

- a. NOx emissions from the incinerator shall not exceed 6.90 pounds per hour and 30.2 tpy.
- b. CO emissions from the incinerator 0.78 pounds per hour and 3.40 tpy.
- c. VOC emissions from the incinerator 0.06 pounds per hour and 0.27 tpy.
- d. PM emissions from the incinerator 0.30 pounds per hour and 1.33 tpy. [45CSR 6-4.1.]
- e. SO2 emissions from the incinerator 0.01 pounds per hour and 0.06 tpy.
- f. Ammonia emissions from the incinerator 28 pounds per hour and 122.6 tpy.
- g. The incinerator shall no exhibit visible emissions of twenty (20) percent opacity of greater on a six minute average. [45CSR6-43.3]

R13-2050H.4.1.2. The permittee shall vent the emission units to the Ammonia Incinerator, F-1804 as indicated in Table 1.0 at all times except when no process-generated emissions are occurring. Then the event of an unavoidable malfunction such as a power outage, or during periods of routine on-line rodding out, process generated emissions to the atmosphere shall be minimized by the permittee taking the following actions:

- a. Continue to operate the Ammonia Incinerator, F-1804, if practical.
- b. If the Ammonia Incinerator, F-1804, operating temperature falls below 950 °C or rises above 1050 °C, then the permittee shall:
 - i. Halt urea feed to the urea kiln D, F-1801.
 - ii. Minimize process generated emissions by switching quench sprays on the D-1801 Urea Scrubber to captive water.

R13-2050H.4.1.3. The maximum hourly amount of urea fed to kiln D (F-1801) shall not exceed 6200 pounds urea (dry weight basis) per hour from storage.

R13-2050H.4.1.4. The maximum hourly and annual plantwide production of cyanuric acid (CA) from kilns A, B, C and D shall not exceed 11,900 pounds per hour and 52,122 tons per year.

R13-2050H.4.1.5. The maximum hourly natural gas usage for kiln D shall not exceed 13,075 scf/hr and 114.5 MMscf/yr.

R13-2050H.4.1.6. The permittee shall install, calibrate, and maintain a device to continuously monitor and record the operating temperature of Ammonia Incinerator F-1804. Except during startup/shutdown of Ammonia Incinerator F-1804, or as allowed by Condition 4.1.2. of this permit, the operating temperature of Ammonia Incinerator F-1804 shall be maintained at the following conditions while process-generated emissions vented, according to Table 1.0 are occurring.

a. The minimum operating temperature shall be 950°C.

b. The maximum operating temperature shall be 1050°C.

R13-2050H.4.1.7. Ammonia incinerator F-1804 shall maintain a minimum ammonia destruction efficiency of 98.7%

Permit Shield

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

45CSR7-3.1 & 7-3.2 limit opacity. Stack ST-1802 exhaust only the products of natural gas combustion. Stack (ST-1806) exhausts through a scrubber (for CA & urea) and an afterburner (to control ammonia), which is fueled by natural gas. Since these stacks are either natural gas combustion only, or are controlled by a natural gas afterburner, proper maintenance and operation of the kiln and control devices assure compliance.

R13-2050H 4.2.1 To determine compliance with permitted natural gas fuel use limits, raw material (urea) limits, product (purified CA) limits, and vendor received crude cyanuric acid limits, the permittee shall maintain records of daily, monthly, and annual throughputs. In addition, the permittee shall maintain records of air pollution control devices to show compliance with the parameters identified of Condition 4.1.1 of this permit. Such records must be maintained in accordance with Condition 3.4.1.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated mit:H-204,		
1-285	Digester	D-232, D-222			
Provide a description of the emissio Digesters exhaust to the flash tanks, w centrifuges, screw conveyors, re-pulp	Provide a description of the emission unit (type, method of operation, design parameters, etc.): Digesters exhaust to the flash tanks, which exhaust to the barometric condenser. The barometric condenser, centrifuges, screw conveyors, re-pulp tanks and waste treatment tanks exhaust through the digester vent scrubber.				
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1996	Modification date(s):		
Design Capacity (examples: furnace	Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 21,000 gallons				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8670 hr/yr	ng Schedule:		
<i>Fuel Usage Data</i> (fill out all application)	ble fields)				
Does this emission unit combust fuel? Yes _X No		If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be used during the term of the permit					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potent	tial Emissions	
	РРН	TPY	
Regulated Pollutants other than	Potent	tial Emissions	
Criteria and HAP	РРН	TPY	
H ₂ SO ₄	0.16	0.70	
List the method(s) used to calculate the versions of software used, source and o	e potential emissions (include da lates of emission factors, etc.).	tes of any stack tests conducted,	
T 295 wonth to II 204 which wonth to D	222 complete which then wonth to	D 222 completer. The feed to and from D	
222 have been tested. Individual sources	have not.	D-222 scrubber. The feed to and from D-	

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated mit: H-204,		
1-275	Digester	D-232, D-222			
Provide a description of the emissio Digesters exhaust to the flash tanks, w centrifuges, screw conveyors, re-pulp	Provide a description of the emission unit (type, method of operation, design parameters, etc.): Digesters exhaust to the flash tanks, which exhaust to the barometric condenser. The barometric condenser, centrifuges, screw conveyors, re-pulp tanks and waste treatment tanks exhaust through the digester vent scrubber.				
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1988	Modification date(s):		
Design Capacity (examples: furnace	Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 11,000 gallons				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:		
<i>Fuel Usage Data</i> (fill out all applica	ble fields)				
Does this emission unit combust fuel? Yes _X_ No		If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be used during the term of the permit					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Potential PPH	Emissions TPY
PPH	TPY
Potential	Emissions
РРН	TPY
Potential	Emissions
РРН	TPY
0.16	0.70
ial emissions (include dates	of any stack tests conducted,
emission factors, etc.).	•
bber, which then vents to D-	222 scrubber. The feed to and from D-
ot.	
	Potential PPH Potential PPH Potential PPH 0.16 Potential PDH 0.16 Potential Potential PDH 0.16 Potential Potential Potential Po

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated mit:H-204,		
1-245	Flash Tank	D-232, D-222			
Provide a description of the emissio Digesters exhaust to the flash tanks, w centrifuges, screw conveyors, re-pulp	Provide a description of the emission unit (type, method of operation, design parameters, etc.): Digesters exhaust to the flash tanks, which exhaust to the barometric condenser. The barometric condenser, centrifuges, screw conveyors, re-pulp tanks and waste treatment tanks exhaust through the digester vent scrubber.				
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s):		
Design Capacity (examples: furnace	Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 11,000 gallons				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:		
Fuel Usage Data (fill out all applica	ble fields)				
Does this emission unit combust fue	l? Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe such fuel expected to be used during the term of the normit					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		
**					

Po	otential Emissions
PPH	TPY
Po	otential Emissions
PPH	ТРҮ
Po	otential Emissions
PPH	ТРҮ
0.16	0.70
potential emissions (includ ates of emission factors, etc 32 scrubber, which then vent	e dates of any stack tests conducted, .). ts to D-222 scrubber. The feed to and from D
32 scrubber, which then vent ave not.	ts to D-222 scrubber. The feed to and from
	PPH PPH PPH PPH PPH PPH 0.16 PPH 0.16

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control dev	vices associated	
T-203	Flash Tank	D-232, D-222	int. 11-20 4 ,	
Provide a description of the emissio Digesters exhaust to the flash tanks, w centrifuges, screw conveyors, re-pulp	n unit (type, method of operation, double of the shaust to the barometric condent tanks and waste treatment tanks exhaust	esign parameters, etc. aser. The barometric co ast through the digester	.): ondenser, vent scrubber.	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1987	Modification date(s):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 11,000	gallons		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hr/yr	ng Schedule:	
Fuel Usage Data (fill out all applica	ble fields)			
Does this emission unit combust fue	l? Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be used during the term of the permit				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potenti	ial Emissions	
	PPH	TPY	
Regulated Pollutants other than	Potenti	ial Emissions	
Criteria and HAP	PPH	TPY	
H ₂ SO ₄	0.16	0.70	
List the method(s) used to calculate th	e potential emissions (include dat	tes of any stack tests conducted,	
versions of software used, source and	lates of emission factors, etc.).	•	
T-203 vents to H-204, which vents to D-	232 scrubber, which then vents to	D-222 scrubber. The feed to and from D-	
222 have been tested. Individual sources	s have not.		

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.

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control de	vices associated	
H-204	Digestion Barometric Condenser	with this emission t	init:D-222	
	(Claimed as process equipment)			
Provide a description of the emissio Digesters exhaust to the flash tanks, w centrifuges, screw conveyors, re-pulp	on unit (type, method of operation, do which exhaust to the barometric conder tanks and waste treatment tanks exhau	esign parameters, etc iser. The barometric c ist through the digester	.): ondenser, r vent scrubber.	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1989	Modification date(s):	
Design Capacity (examples: furnac	es - tons/hr, tanks - gallons): 12-3/4'	Diameter Barometric		
Maximum Hourly Throughput: 50 lb/hr	Maximum Annual Throughput: 219 TPY	Maximum Operatin 8760 hr/yr	ng Schedule:	
Fuel Usage Data (fill out all applica	ble fields)			
Does this emission unit combust fue	el?Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be used during the term of the permit				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Emissions Data		
Criteria Pollutants	Pollutants Potential Emis	
	РРН	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potent	ial Emissions
	PPH	TPY
Regulated Pollutants other than	Potent	ial Emissions
Criteria and HAP	PPH	TPY
H ₂ SO ₄	0.64	2.8
List the method(s) used to calculate the p versions of software used, source and da Engineering Estimate. H-204 vents to D-232 scrubber, which ther Individual sources have not.	potential emissions (include dat tes of emission factors, etc.).	tes of any stack tests conducted, feed to and from D-222 have been tested.

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.

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated mit:H-204,
1 230		D-232, D-222	
Provide a description of the emission Slurry tank T-230 vents to D-232, whi	n unit (type, method of operation, do not be a constructed of the second	esign parameters, etc.	.):
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1987	Modification date(s):
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 2500 ga	allons	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:
Fuel Usage Data (fill out all applicat	ble fields)	1	
Does this emission unit combust fuel? Yes _X_ No		If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potenti	al Emissions
	PPH	ТРҮ
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	ТРҮ
Regulated Pollutants other than	Potenti	al Emissions
Criteria and HAP	PPH	ТРҮ
H ₂ SO ₄	0.16	0.70
List the method(s) used to calculate the po versions of software used, source and date	otential emissions (include dat es of emission factors, etc.).	tes of any stack tests conducted,
T-230 vents to D-232 scrubber, which then v Individual sources have not.	vents to D-222 scrubber. The fe	eed to and from D-222 have been tested.

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: T-350	Emission unit name: Acid Mix Tank	List any control devices associated with this emission unit:D-232			
Provide a description of the emissio Digesters exhaust to the flash tanks, w centrifuges, screw conveyors, re-pulp	n unit (type, method of operation, de hich exhaust to the barometric conder tanks and waste treatment tanks exhau	esign parameters, etc. aser. The barometric c ast through the digester	.): ondenser, vent scrubber.		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s): MM/DD/YYYY			
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 11,000 gallons					
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hr/yr			
Fuel Usage Data (fill out all applica	ble fields)	1			
Does this emission unit combust fuel? Yes _X_ No		If yes, is it?			
		Indirect FiredDirect Fired			
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr rating of burners:			
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide		
Describe each fuel expected to be us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		
**					

Emissions Data			
Criteria Pollutants	Potential Emissions		
	РРН	ТРҮ	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	ТРҮ	
Regulated Pollutants other than	Potential Emissions		
Criteria and HAP	PPH	ТРҮ	
H ₂ SO ₄	0.16	0.70	
List the method(s) used to calculate the pot	ential emissions (include date	es of any stack tests conducted,	

T-350 vents to D-232 scrubber, which then vents to D-222 scrubber. The feed to and from D-222 have been tested. Individual sources have not.

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.

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: T-233 Not in Service	Emission unit name: Digester	List any control devices associated with this emission unit: D-232			
Provide a description of the emission	n unit (type, method of operation, de	esign narameters etc)•		
			·)•		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1969	Modification date(s): MM/DD/YYYY			
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 11,000 gallons					
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:			
Fuel Usage Data (fill out all applica	ble fields)				
Does this emission unit combust fuel?Yes _X No		If yes, is it?			
		Indirect FiredDirect Fired			
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr rating of burners:			
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide		
Describe each fuel expected to be used during the term of the permit.					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		
Imissions Data					
---	--	---------------------------------	--		
Criteria Pollutants	Potential Emissions				
	РРН	TPY			
Carbon Monoxide (CO)					
Nitrogen Oxides (NO _X)					
Lead (Pb)					
Particulate Matter (PM _{2.5})					
Particulate Matter (PM ₁₀)					
Total Particulate Matter (TSP)					
Sulfur Dioxide (SO ₂)					
Volatile Organic Compounds (VOC)					
Hazardous Air Pollutants	Potential	Emissions			
	РРН	TPY			
Regulated Pollutants other than	Potential Emissions				
Criteria and HAP	РРН	TPY			
List the method(s) used to calculate t versions of software used, source and	he potential emissions (include dates dates of emission factors, etc.).	s of any stack tests conducted,			

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number:	Emission unit name:	List any control dev	vices associated		
D-232	Acid Vent Scrubber	with this emission u	mit:D-222		
	(Claimed as process equipment)				
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Digesters exhaust to the flash tanks, which exhaust to the barometric condenser. The barometric condenser, centrifuges, screw conveyors, re-pulp tanks and waste treatment tanks exhaust through the digester vent scrubber.					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/YYYY	Modification date(s	s):		
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons):				
Maximum Hourly Throughput: 50 lb/hr	Maximum Annual Throughput: 219 TPY	Maximum Operatin 8760 hr/yr	ng Schedule:		
Fuel Usage Data (fill out all application	ble fields)	I			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide		
Describe each fuel expected to be us	Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Emissions Data			
Criteria Pollutants	Potential Emissions		
	РРН	ТРҮ	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potenti	al Emissions	
	РРН	ТРҮ	
Regulated Pollutants other than	Potenti	al Emissions	
Criteria and HAP	РРН	ТРҮ	
H ₂ SO ₄	1	4.4	
List the method(s) used to calculate the p versions of software used, source and dat Engineering Estimate. The feed to and from	otential emissions (include dat es of emission factors, etc.). D-222 have been tested. Indivi	es of any stack tests conducted,	

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-349	Emission unit name: Cold Acid Purge Tank	List any control devices associated with this emission unit: D-222		
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Digesters exhaust to the flash tanks, which exhaust to the barometric condenser. The barometric condenser, centrifuges, screw conveyors, re-pulp tanks and waste treatment tanks exhaust through the digester vent scrubber.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 550 gal	lons		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hours/year	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applical	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
Indirect FiredDirect		Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide	
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than	Poten	tial Emissions	
Criteria and HAP	PPH	TPY	
H ₂ SO ₄	0.16	0.70	
List the method(s) used to calculate the pe	otential emissions (include d:	ates of any stack tests conducted,	
versions of software used, source and date	es of emission factors, etc.).		

Engineering Estimate. T-349 vents to D-222 The feed to and from D-222 have been tested. Individual sources have not.

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: T-334	Emission unit name: Recycle Acid Tank	List any control devices associated with this emission unit:D-222			
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Digesters exhaust to the flash tanks, which exhaust to the barometric condenser. The barometric condenser, centrifuges, screw conveyors, re-pulp tanks and waste treatment tanks exhaust through the digester vent scrubber.					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1995	Modification date(s):		
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 3800 ga	allons			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hours/year	ng Schedule:		
Fuel Usage Data (fill out all applical	ble fields)	1			
Does this emission unit combust fue	!? 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 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 us	ed during the term of the permit.	May Ash Content	DTU Voluo		
ruei i ype	wax. Sunur Content	Max. Asn Content	DIU value		

Emissions Data			
Criteria Pollutants	Potential Emissions		
	РРН	ТРҮ	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Poter	ntial Emissions	
	РРН	TPY	
Regulated Pollutants other than	Poter	ntial Emissions	
Criteria and HAP	РРН	TPY	
H ₂ SO ₄	0.16	0.70	
List the method(s) used to calculate th versions of software used, source and	e potential emissions (include d dates of emission factors, etc.).	ates of any stack tests conducted,	
Engineering Estimate. T-334 vents to E have not.	0-222. The feed to and from D-22	22 have been tested. Individual sources	

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number: T-387	Emission unit name: Clarifier Feed Tank/Purge Acid Cooling Tank	List any control devices associated with this emission unit:D-222	
Provide a description of the emission Digesters exhaust to the flash tanks, w centrifuges, screw conveyors, re-pulp	n unit (type, method of operation, de hich exhaust to the barometric conder tanks and waste treatment tanks exhau	esign parameters, etc. aser. The barometric c ast through the digester	.): ondenser, r vent scrubber.
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s):
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 2800 ga	allons	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hours/year	ng Schedule:
Fuel Usage Data (fill out all applical	ble fields)	1	
Does this emission unit combust fuel	?Yes _X_ No	If yes, is it?	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be us	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions TPY Emissions TPY
TPY Emissions TPY
Emissions
Emissions
Emissions
Emissions
Emissions TPY
ТРҮ
Emissions
TPY
0.70
of any stack tests conducted,
e been tested. Individual sources

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

List any control devices associated with this emission unit:D-222 Packed Bed Scrubber ation, design parameters, etc.): c condenser. The barometric condenser, ks exhaust through the digester vent scrubber. Serial number: Modification date(s): MM/DD/YYYY
List any control devices associated with this emission unit:D-222 Packed Bed Scrubber ation, design parameters, etc.): c condenser. The barometric condenser, ks exhaust through the digester vent scrubber. Serial number: Modification date(s): MM/DD/YYYY
Packed Bed Scrubber ation, design parameters, etc.): c condenser. The barometric condenser, ks exhaust through the digester vent scrubber. Serial number: Modification date(s): MM/DD/YYYY
ation, design parameters, etc.): c condenser. The barometric condenser, ks exhaust through the digester vent scrubber. Serial number: Modification date(s): MM/DD/YYYY
Serial number: Modification date(s): MM/DD/YYYY
Modification date(s): MM/DD/YYYY
48" - L'anna 4 an - 24"
48° diameter x 24°
hput: Maximum Operating Schedule: 8760 hours/year
If yes, is it?
Indirect FiredDirect Fired
g: Type and Btu/hr rating of burners:
el type(s). For each fuel type listed, provide
rmit.
Max. Ash Content BTU Value

Emissions Data			
Criteria Pollutants	Potential Emissions		
	РРН	TP	Y
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potentia	l Emissions	
	РРН	TP	Y
Regulated Pollutants other than	Potentia	l Emissions	
Criteria and HAP	РРН	TP	Y
H ₂ SO ₄	0.16	0.7	70
List the method(s) used to calculate versions of software used, source an Engineering Estimate. CE-301 vents t have not.	the potential emissions (include date d dates of emission factors, etc.). o D-222. The feed to and from D-222 I	es of any stack tests of any stack tests of any stack tests of any stack tested. Ind	conducted,

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.

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATT	ACHMENT E - Emission Uni	it Form	
Emission Unit Description			
Emission unit ID number: CE-302	Emission unit name: Centrifuge	List any control dev with this emission u Packed Bed Scrubbe	r ices associated nit:D-222 r
Provide a description of the emissio Digesters exhaust to the flash tanks, w centrifuges, screw conveyors, re-pulp	n unit (type, method of operation, d which exhaust to the barometric conder tanks and waste treatment tanks exhau	esign parameters, etc. aser. The barometric coust through the digester): ondenser, vent scrubber.
Manufacturer: Tolhurst	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1997	Modification date(s MM/DD/YYYY):
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 60" dir	neter x 40"	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hours/year	ng Schedule:
Fuel Usage Data (fill out all applica	ble fields)		
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.	S). For each fuel type	listed, provide
Describe each fuel expected to be us	ed during the term of the permit.	,	
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data			
Criteria Pollutants	teria Pollutants Potential F		
	РРН	ТРҮ	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	РРН	ТРҮ	
Regulated Pollutants other than	Pote	ential Emissions	
Criteria and HAP	РРН	ТРҮ	
H_2SO_4	0.16	0.70	
List the method(s) used to calculate to versions of software used, source and	the potential emissions (include o l dates of emission factors, etc.).	dates of any stack tests conducted,	
Engineering Estimate. CE-302 vents to have not.	D D-222. The feed to and from D-2	222 have been tested. Individual sources	

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.

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

Α	TTACHMENT E - Emission Un	it Form	
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated nit:D-122
CE-321	Centriluge	Packed Bed Scrubber	r
Provide a description of the emis Digesters exhaust to the flash tank centrifuges, screw conveyors, re-p	ssion unit (type, method of operation, d s, which exhaust to the barometric conde ulp tanks and waste treatment tanks exha	lesign parameters, etc. nser. The barometric co ust through the digester): ondenser, vent scrubber.
Manufacturer: Tolhurst	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1972	Modification date(s):
Design Capacity (examples: furr	naces - tons/hr, tanks - gallons): 48" dia	ameter x 24"	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hours/year	ng Schedule:
Fuel Usage Data (fill out all appl	licable fields)		
Does this emission unit combust	fuel?Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and	l/or maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and the maximum hourly and annua	l if applicable, the secondary fuel type(l fuel usage for each.	s). For each fuel type	listed, provide
Describe each fuel expected to b	e used during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data			
Criteria Pollutants	Potential Emissions		
	РРН	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Poten	tial Emissions	
	РРН	TPY	
Regulated Pollutants other than	Poten	tial Emissions	
Criteria and HAP	РРН	TPY	
H ₂ SO ₄	0.16	0.70	
List the method(s) used to calculate the versions of software used, source and	he potential emissions (include da dates of emission factors, etc.).	ates of any stack tests conducted,	
Engineering Estimate. CE-321 vents to have not.	D-222. The feed to and from D-22	22 have been tested. Individual sources	

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated mit:D-222
CE-322	Cenunuge	Packed Bed Scrubbe	r
Provide a description of the emissio Digesters exhaust to the flash tanks, w centrifuges, screw conveyors, re-pulp	n unit (type, method of operation, de hich exhaust to the barometric conden tanks and waste treatment tanks exhau	esign parameters, etc. Iser. The barometric c Ist through the digester	.): ondenser, r vent scrubber.
Manufacturer: Tolhurst	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1995	Modification date(s):
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 60" dia	meter x 40"	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hours/year	ng Schedule:
<i>Fuel Usage Data</i> (fill out all application)	ble fields)		
Does this emission unit combust fue	1? Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be us	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Potent	Potential Emissions	
РРН	TPY	
Potent	ial Emissions	
РРН	TPY	
Potent	ial Emissions	
РРН	TPY	
0.16	0.70	
potential emissions (include da tes of emission factors, etc.).	tes of any stack tests conducted,	
222. The feed to and from D-22	2 have been tested. Individual sources	
	Potent PPH PPH Potent Potent PPH PPH PPH O.16 Potential emissions (include da tes of emission factors, etc.). P222. The feed to and from D-22	

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.

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated mit:D-222
CE-325	Centinuge	Packed Bed Scrubbe	r
Provide a description of the emission Digesters exhaust to the flash tanks, w centrifuges, screw conveyors, re-pulp	n unit (type, method of operation, de hich exhaust to the barometric conder tanks and waste treatment tanks exhau	esign parameters, etc. Iser. The barometric c Ist through the digester	.): ondenser, r vent scrubber.
Manufacturer: Tolhurst	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1995	Modification date(s MM/DD/YYYY):
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 60" dia	meter x 40"	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hours/year	ng Schedule:
Fuel Usage Data (fill out all applical	ble fields)		
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be us	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	ТРҮ	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Pote	ntial Emissions	
	PPH	TPY	
Regulated Pollutants other than	Pote	Potential Emissions	
Criteria and HAP	PPH	TPY	
H ₂ SO ₄	0.16	0.70	
List the method(s) used to calculate the period versions of software used, source and dat	otential emissions (include o es of emission factors, etc.).	dates of any stack tests conducted,	
have not.	22 . The feet to and from y^{-2}	222 nave been tested. murvidual sources	

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

AT	TACHMENT E - Emission Uni	it Form	
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated mit:D-222
CL-524	Centinuge	Packed Bed Scrubbe	r
Provide a description of the emissio Digesters exhaust to the flash tanks, v centrifuges, screw conveyors, re-pulp	on unit (type, method of operation, d which exhaust to the barometric conder tanks and waste treatment tanks exha	esign parameters, etc nser. The barometric c ust through the digester	.): ondenser, r vent scrubber.
Manufacturer: Tolhurst	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1997	Modification date(s):
Design Capacity (examples: furnac	es - tons/hr, tanks - gallons): 60" dia	ameter x 40"	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hour/year	
<i>Fuel Usage Data</i> (fill out all applica	ble fields)		
Does this emission unit combust fu	el?Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	r maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if the maximum hourly and annual f	applicable, the secondary fuel type(suel usage for each.	s). For each fuel type	listed, provide
Describe each fuel expected to be u	sed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Poten	tial Emissions
	PPH	TPY
Regulated Pollutants other than	Poten	tial Emissions
Criteria and HAP	PPH	TPY
H ₂ SO ₄	0.16	0.70
List the method(s) used to calculate the p versions of software used, source and date	otential emissions (include da es of emission factors, etc.).	ates of any stack tests conducted,
Engineering Estimate. CE-324 vents to D-2 have not.	222. The feed to and from D-22	22 have been tested. Individual sources

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

AT	FACHMENT E - Emission Uni	it Form	
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated mit:D-222
CL-J+J	Centinuge	Packed Bed Scrubbe	r
Provide a description of the emissio Digesters exhaust to the flash tanks, centrifuges, screw conveyors, re-pulp	on unit (type, method of operation, d which exhaust to the barometric conder tanks and waste treatment tanks exha	esign parameters, etc nser. The barometric c ust through the digester	.): ondenser, r vent scrubber.
Manufacturer: Tolhurst	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1973	Modification date(s):
Design Capacity (examples: furnac	ees - tons/hr, tanks - gallons): 60" dia	ameter x 40"	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hour/year	
Fuel Usage Data (fill out all applica	ble fields)		
Does this emission unit combust fu	el?Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/o	r maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if the maximum hourly and annual f	applicable, the secondary fuel type(suel usage for each.	s). For each fuel type	listed, provide
Describe each fuel expected to be u	sed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	ТРҮ
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Pote	ntial Emissions
	PPH	TPY
Regulated Pollutants other than	Pote	ential Emissions
Criteria and HAP	PPH	TPY
H ₂ SO ₄	0.16	0.70
List the method(s) used to calculate the p versions of software used, source and dat	otential emissions (include o es of emission factors, etc.).	lates of any stack tests conducted,
Engineering Estimate. CE-343 vents to D-2 have not.	222. The feed to and from D-2	222 have been tested. Individual sources

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

A	TTACHMENT E - Emission Un	it Form	
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	ices associated nit:D-222
1-1204	Centinuge Feed Fank	Packed Bed Scrubber	
Provide a description of the emis Digesters exhaust to the flash tank centrifuges, screw conveyors, re-p	ssion unit (type, method of operation, d s, which exhaust to the barometric conde ulp tanks and waste treatment tanks exha	lesign parameters, etc. nser. The barometric co ust through the digester): ondenser, vent scrubber.
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/2002	Modification date(s) MM/DD/YYYY):
Design Capacity (examples: furn	aces - tons/hr, tanks - gallons): 2100 g	allons	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hours/year	g Schedule:
Fuel Usage Data (fill out all appl	icable fields)		
Does this emission unit combust	fuel?Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and	/or maximum horsepower rating:	Type and Btu/hr rat	ting of burners:
List the primary fuel type(s) and the maximum hourly and annua	if applicable, the secondary fuel type(I fuel usage for each.	s). For each fuel type	listed, provide
Describe each fuel expected to be	e used during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Emissions Data		·	
--	--	-------------------------	------------
Criteria Pollutants	Potential Emissions		
	РРН ТРҮ		Y
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants Potential Emissions			
	РРН	TP	Y
Regulated Pollutants other than	Potential Emissions		
Criteria and HAP	РРН	TP	Y
H ₂ SO ₄	0.16	0.7	0
List the method(s) used to calculate the versions of software used, source and	ne potential emissions (include dat dates of emission factors, etc.).	es of any stack tests o	conducted,
Engineering Estimate. The feed to and	from D-222 have been tested. Indiv	idual sources have not	

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

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

Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number:	Emission unit name:	List any control devices associa with this emission unit:D-222 Packed Bed Scrubber		unit name: List any control devices a with this emission unit:D	ices associated nit:D-222
1-204					
Provide a description of the emis Digesters exhaust to the flash tank centrifuges, screw conveyors, re-p	ssion unit (type, method of operation, d s, which exhaust to the barometric conden ulp tanks and waste treatment tanks exha	lesign parameters, etc. nser. The barometric co ust through the digester): ondenser, vent scrubber.		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1995	Modification date(s) MM/DD/YYYY):		
Design Capacity (examples: furn	aces - tons/hr, tanks - gallons): 2100 g	allons			
Maximum Hourly Throughput:	Maximum Annual Throughput:	: Maximum Operating Schedule: 8760 hour/year			
Fuel Usage Data (fill out all appl	icable fields)				
Does this emission unit combust	fuel?Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and	/or maximum horsepower rating:	Type and Btu/hr rat	ting of burners:		
List the primary fuel type(s) and the maximum hourly and annua	if applicable, the secondary fuel type(I fuel usage for each.	s). For each fuel type	listed, provide		
Describe each fuel expected to be	e used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

riteria Pollutants	Potential Emissions	
	РРН	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Fotal Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potentia	l Emissions
	РРН	TPY
H ₂ SO ₄	0.16	0.70
Regulated Pollutants other than	Potentia	l Emissions
Regulated Pollutants other than Criteria and HAP	Potentia PPH	l Emissions TPY
List the method(s) used to calculate t versions of software used, source and	he potential emissions (include date l dates of emission factors, etc.).	es of any stack tests conducted,

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated nit:D-222
1-501		Packed Bed Scrubber	
Provide a description of the em Digesters exhaust to the flash tanl centrifuges, screw conveyors, re-j	ission unit (type, method of operation, ks, which exhaust to the barometric conde pulp tanks and waste treatment tanks exha	design parameters, etc. enser. The barometric co aust through the digester): ondenser, vent scrubber.
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/2001	Modification date(s MM/DD/YYYY):
Design Capacity (examples: fur	naces - tons/hr, tanks - gallons): 3800	gallons	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatir	ng Schedule:
<i>Fuel Usage Data</i> (fill out all app	licable fields)		
Does this emission unit combust fuel? Yes _X_ No		If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input an	d/or maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) an the maximum hourly and annu	d if applicable, the secondary fuel type al fuel usage for each.	(s). For each fuel type	listed, provide
Describe each fuel expected to b	be used during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
		_	

s TPY 	
TPY 	
5	
5	
5	
5	
5	
5	
5	
S	
5	
TPY	
tential Emissions	
TPY	
0.88	
ack tests conducted,	

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

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

Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-323	Emission unit name: Slurry Tank	List any control devices associated with this emission unit: D-232		
Not in Service				
Provide a description of the emission unit (type, method of operation, design parameters, etc.):				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1974	Modification date(s): MM/DD/YYYY		
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,000 gallons				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule:		
Fuel Usage Data (fill out all applicable fields)				
Does this emission unit combust fuel? Yes _X No		If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide	
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

emissions Data			
Criteria Pollutants	Potential Emissions		
	РРН	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential	Emissions	
	РРН	TPY	
Regulated Pollutants other than	Potential Emissions		
Criteria and HAP	РРН	TPY	
List the method(s) used to calculate the versions of software used, source and	he potential emissions (include dates dates of emission factors, etc.).	s of any stack tests conducted,	

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.

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
List any control devices asso with this emission unit:D-222 Packed Bed Scrubber		sion unit name: List any control device with this emission unit	ontrol devices associated mission unit:D-222	ices associated nit:D-222
		ters, etc.) metric co digester): ondenser, vent scrubber.	
oer:				
n date(s) /YY):			
Operatin	ng Schedule:			
Fired	Direct Fired			
tu/hr rat	ting of burners:			
uel type l	listed, provide			
Content	BTU Value			
	Content			

Emissions Data				
Criteria Pollutants	Potential Emissions			
	PPH	TP	Y	
Carbon Monoxide (CO)				
Nitrogen Oxides (NO _X)				
Lead (Pb)				
Particulate Matter (PM _{2.5})				
Particulate Matter (PM ₁₀)				
Total Particulate Matter (TSP)				
Sulfur Dioxide (SO ₂)				
Volatile Organic Compounds (VOC)				
Hazardous Air Pollutants	Potential Emissions			
	РРН	TP	Y	
Regulated Pollutants other than	Potentia	al Emissions	nissions	
Criteria and HAP	РРН	TP	Y	
H ₂ SO ₄	0.16	0.7	0	
List the method(s) used to calculate the versions of software used, source and Engineering estimate. The feed to and the feed	ne potential emissions (include date dates of emission factors, etc.). From D-222 have been tested. Indivi	e s of any stack tests c dual sources have not.	onducted,	

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.

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control de	vices associated
C-302	Conveyor	Packed Bed Scrubber	
Provide a description of the emission Digesters exhaust to the flash tanks, we centrifuges, screw conveyors, re-pulp	on unit (type, method of operation, d which exhaust to the barometric conder tanks and waste treatment tanks exhau	esign parameters, etc nser. The barometric c ust through the digester	.): ondenser, r vent scrubber.
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s	s):
Design Capacity (examples: furnac	es - tons/hr, tanks - gallons): 355 ft ³	/hr	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hr/yr	
Fuel Usage Data (fill out all applica	ble fields)		
Does this emission unit combust fu	el?Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of bur		ting of burners:	
List the primary fuel type(s) and if the maximum hourly and annual f	applicable, the secondary fuel type(s rel usage for each.	s). For each fuel type	listed, provide
Describe each fuel expected to be u	sed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Critoria Dollutanta	Detential Emissions		
Citeria Fonutants	РРН	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potent	tial Emissions	
	РРН	TPY	
Regulated Pollutants other than	Potent	tial Emissions	
Criteria and HAP	РРН	TPY	
H_2SO_4	0.16	0.70	
List the method(s) used to calculate versions of software used, source and	the potential emissions (include da l dates of emission factors, etc.).	ates of any stack tests conducted,	
Engineering Estimate. The feed to and	I from D-222 have been tested. Indi	vidual sources have not.	
Engineering Estimate. The feed to and	l from D-222 have been tested. Indi	vidual sources have not.	

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.

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	ices associated nit:D-222
C-305	Conveyor	Packed Bed Scrubber	
Provide a description of the em Digesters exhaust to the flash tanl centrifuges, screw conveyors, re-j	ission unit (type, method of operation, d ks, which exhaust to the barometric conde pulp tanks and waste treatment tanks exha	lesign parameters, etc. nser. The barometric co ust through the digester): ondenser, vent scrubber.
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s MM/DD/YYYY):
Design Capacity (examples: fur	naces - tons/hr, tanks - gallons): 355 ft ³	/hr	
Maximum Hourly Throughput:	: Maximum Annual Throughput:	Maximum Operatir 8760 hr/yr	ng Schedule:
Fuel Usage Data (fill out all app	licable fields)		
Does this emission unit combust fuel? Yes _X_ No		If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) an the maximum hourly and annu	d if applicable, the secondary fuel type(al fuel usage for each.	s). For each fuel type	listed, provide
Describe each fuel expected to b	be used during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data			
Emissions Data	Dotor	tial Emissions	
			W
Carbon Monovida (CO)			1
Nitrogen Ouides (NO.)			
Nilrogen Oxides (NO _X)			
Lead (PD)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Poter	ntial Emissions	
	PPH	TP	Y
Regulated Pollutants other than	Potential Emissions		
	PPH	ТР	Y
H ₂ SO ₄	0.16	0.7	70
List the method(s) used to calculate the period versions of software used, source and date Engineering Estimate. The feed to and from	potential emissions (include d tes of emission factors, etc.). m D-222 have been tested. Ind	ates of any stack tests of any stack tests of any stack tests of any stack tests of a start of a st	:onducted, :.

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated mit:D-222
0-521	Conveyor	Packed Bed Scrubbe	r
Provide a description of the emissio Digesters exhaust to the flash tanks, w centrifuges, screw conveyors, re-pulp	n unit (type, method of operation, de hich exhaust to the barometric conden tanks and waste treatment tanks exhau	esign parameters, etc. Iser. The barometric c Ist through the digester	.): ondenser, vent scrubber.
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s):
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 355 ft ³ /	hr	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:
Fuel Usage Data (fill out all applica	ble fields)		
Does this emission unit combust fue	l? Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be us	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
**			

Potential PPH	Emissions
PPH	
	TPY
Potential	Emissions
РРН	TPY
Potential	Emissions
РРН	TPY
0.16	0.70
- - - -	Potential PPH Potential PPH 0.16 Petential emissions (include dates

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated mit:D-222
C-522	Conveyor	Packed Bed Scrubbe	r
Provide a description of the emissio Digesters exhaust to the flash tanks, w centrifuges, screw conveyors, re-pulp	n unit (type, method of operation, de hich exhaust to the barometric conder tanks and waste treatment tanks exhau	esign parameters, etc. aser. The barometric c ast through the digester	.): ondenser, r vent scrubber.
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s):
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): $355 \text{ ft}^3/$	hr	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:
<i>Fuel Usage Data</i> (fill out all applica	ble fields)		
Does this emission unit combust fue	l? Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be us	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

arbon Monoxide (CO)	РРН	
arbon Monoxide (CO)		TPY
itrogen Oxides (NO _X)		
ead (Pb)		
articulate Matter (PM _{2.5})		
articulate Matter (PM ₁₀)		
otal Particulate Matter (TSP)		
ulfur Dioxide (SO ₂)		
olatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potenti	al Emissions
	PPH	TPY
Regulated Pollutants other than	Potenti	al Emissions
Criteria and HAP	PPH	ТРҮ
2 SO 4	0.16	0.70
ist the method(s) used to calculate the ersions of software used, source and of ngineering Estimate. The feed to and fi	e potential emissions (include dat lates of emission factors, etc.). rom D-222 have been tested. Indiv	tes of any stack tests conducted,

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated mit:D-222
0-5+5	Conveyor	Packed Bed Scrubbe	r
Provide a description of the emissio Digesters exhaust to the flash tanks, w centrifuges, screw conveyors, re-pulp	n unit (type, method of operation, de hich exhaust to the barometric conder tanks and waste treatment tanks exhau	esign parameters, etc. Iser. The barometric c Ist through the digester	.): ondenser, vent scrubber.
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s):
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): $355 \text{ ft}^3/$	hr	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:
Fuel Usage Data (fill out all applica	ble fields)		
Does this emission unit combust fue	l? Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be use	ad during the form of the normit		
Fuel Type	Max Sulfur Content	Max Ash Content	BTU Value
1 401 1 390			Die vulue

Potential PPH	Emissions
PPH	
	TPY
Potential	Emissions
РРН	TPY
Potential	Emissions
РРН	TPY
0.16	0.70
- - - -	Potential PPH Potential PPH 0.16 Petential emissions (include dates

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control devices associat with this emission unit:D-222	
C-344	Conveyor	Packed Bed Scrubbe	r
Provide a description of the emissio Digesters exhaust to the flash tanks, w centrifuges, screw conveyors, re-pulp	n unit (type, method of operation, de hich exhaust to the barometric conden tanks and waste treatment tanks exhau	esign parameters, etc. Iser. The barometric c Ist through the digester	.): ondenser, vent scrubber.
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s):
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): $355 \text{ ft}^3/$	hr	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:
Fuel Usage Data (fill out all applicat	ble fields)		
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be us	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

riteria Pollutants		
	Potentia	l Emissions
	РРН	TPY
arbon Monoxide (CO)		
itrogen Oxides (NO _x)		
ead (Pb)		
articulate Matter (PM _{2.5})		
articulate Matter (PM ₁₀)		
otal Particulate Matter (TSP)		
ulfur Dioxide (SO ₂)		
olatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potentia	ll Emissions
	РРН	TPY
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	РРН	TPY
ist the method(s) used to calculate t ersions of software used, source and	the potential emissions (include date l dates of emission factors, etc.).	es of any stack tests conducted,
ngineering Estimate. The feed to and	from D-222 have been tested. Indivi	dual sources have not.
ingineering Estimate. The feed to und	from D 222 have been tested. Indivi	edul sources have not.

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control de with this emission u	vices associated mit:D-222
0-545		Packed Bed Scrubbe	r
Provide a description of the emi Digesters exhaust to the flash tank centrifuges, screw conveyors, re-p	ssion unit (type, method of operation, of ss, which exhaust to the barometric conder oulp tanks and waste treatment tanks exha	design parameters, etc enser. The barometric c aust through the digester	.): ondenser, r vent scrubber.
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s	s):
Design Capacity (examples: furn	naces - tons/hr, tanks - gallons): 355 ft	³ /hr	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation	ng Schedule:
Fuel Usage Data (fill out all app	licable fields)		
Does this emission unit combust	fuel?Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and	l/or maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and the maximum hourly and annua	l if applicable, the secondary fuel type(l fuel usage for each.	(s). For each fuel type	listed, provide
Describe each fuel expected to b	e used during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Pritoria Dollutanta	Detertial	Emissions
	Potential	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential	Emissions
	РРН	TPY
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the	potential emissions (include dates	of any stack tests conducted,
versions of software used, source and d	ates of emission factors, etc.).	

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

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

Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control devices associated		
T-388	Clarifier	D-222	umt:	
Provide a description of the emissio Digesters exhaust to the flash tanks, w	n unit (type, method of operation, de	esign parameters, etc nser.	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 3000 g	allons		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applica	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
Emissions Data				
--	---	------------------------------------		
Criteria Pollutants	Potential Emissions			
	РРН	ТРҮ		
Carbon Monoxide (CO)				
Nitrogen Oxides (NO _X)				
Lead (Pb)				
Particulate Matter (PM _{2.5})				
Particulate Matter (PM ₁₀)				
Total Particulate Matter (TSP)				
Sulfur Dioxide (SO ₂)				
Volatile Organic Compounds (VOC)				
Hazardous Air Pollutants	Potential Emissions			
	РРН	ТРҮ		
Regulated Pollutants other than	Poten	ntial Emissions		
Criteria and HAP	РРН	ТРҮ		
List the method(s) used to calculate the p versions of software used, source and da	otential emissions (include da tes of emission factors, etc.).	ates of any stack tests conducted,		

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

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

Are you in compliance with all applicable requirements for this emission unit? _XYes ____No

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

TAT	FACHMENT E - Emission Un	it Form			
Emission Unit Description					
Emission unit ID number: T-882	Emission unit name: Reprocessing Tank	List any control dev with this emission u	ices associated nit:		
Provide a description of the emissio T-882 Reprocessing Tank and associa purchased CA (Cyanuric Acid) to sati	n unit (type, method of operation, de ted equipment are used to reprocess C sfy feed makeup demands.	esign parameters, etc. AK (Cyanuric Acid We): et Cake) or		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1987	Modification date(s) MM/DD/YYYY):		
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 2,500 gallons					
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hr/yr	g Schedule:		
Fuel Usage Data (fill out all applicable fields)					
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr rat	ting of burners:		
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide		
Describe each fuel expected to be us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Criteria Pollutants	Potentia	al Emissions
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potenti	al Emissions
	PPH	TPY
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the po	otential emissions (include dat	es of any stack tests conducted,
versions of software used, source and date	es of emission factors, etc.).	

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form						
Emission Unit Description						
Emission unit ID number: T-1007	Emission unit name: 93% Sulfuric Acid Tank	List any control dev with this emission u	vices associated mit:			
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Sulfuric acid storage						
Manufacturer:	Model number:	Serial number:				
Construction date: MM/DD/YYYY	Installation date: MM/DD/2017	Modification date(s):			
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 20,000 gallons						
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hours per year	ng Schedule:			
Fuel Usage Data (fill out all applicable fields)						
Does this emission unit combust fuel? Yes X_ No If yes, is it?						
Indirect FiredDirect F			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 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 us	ed during the term of the permit.					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value			

Criteria Pollutants	Potential	Potential Emissions	
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential	l Emissions	
	PPH	TPY	
Regulated Pollutants other than	Potential Emissions		
Criteria and HAP	РРН	TPY	
H ₂ SO ₄	<0.01	<0.01	
List the method(s) used to calculate the pr	tential emissions (include data	s of any stack tasts conducted	
List the method(s) used to calculate the poversions of software used, source and date	otential emissions (include date as of emission factors, etc.).	s of any stack tests conducted,	
Engineering estimate			

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

45CSR13, R13-2050, 4.1.13; and 45CSR7-4.2. The maximum concentration of sulfuric acid mist from Tanks T-1003 and T-1007 shall not exceed 35 mg/dscm, which equates to a concentration of 8.6 ppmvd. Compliance with this limit is satisfied by storing sulfuric acid in the vessel of a concentration at or less than 93% by weight.

45CSR7-3.1.No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any process source operation which is greater than twenty (20) percent opacity.

Permit Shield

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

45CSR13, R13-2050,4.4.4. The permittee shall maintain records of concentration of the sulfuric acid received by the facility and stored either in T-1003 or T-1007 or other documentation that demonstrates that the emissions from storing sulfuric acid in Tanks T-1003 and T-1007 does not exceed the sulfuric acid mist concentration standard.

Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description	Emission Unit Description				
Emission unit ID number: T-1003	Emission unit name: 93% Sulfuric Acid Tank	List any control dev with this emission u	vices associated mit:		
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/2016	Modification date(s MM/DD/YYYY):		
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 3,031 gallons					
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hours per year	ng Schedule:		
Fuel Usage Data (fill out all applicable fields)					
Does this emission unit combust fuel? Yes X_ No If yes, is it?					
Indirect FiredDirect Fired					
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of burners:					
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be use	ad during the town of the normit				
Evel Type	Max Sulfur Content	Max Ash Contant	PTI Valua		
		Max. Asii Contelli			

Criteria Pollutants	Potential Emissions	
	РРН	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential	Emissions
	PPH	TPY
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	РРН	TPY
H2SO4	<0.01	<0.01
List the method(s) used to calculate the po	ptential emissions (include dates	s of any stack tests conducted,
versions of software used, source and date	es of emission factors, etc.).	

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

45CSR13, R13-2050, 4.1.13; and 45CSR7-4.2. The maximum concentration of sulfuric acid mist from Tanks T-1003 and T-1007 shall not exceed 35 mg/dscm, which equates to a concentration of 8.6 ppmvd. Compliance with this limit is satisfied by storing sulfuric acid in the vessel of a concentration at or less than 93% by weight.

45CSR7-3.1.No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any process source operation which is greater than twenty (20) percent opacity.

Permit Shield

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

45CSR13, R13-2050,4.4.4. The permittee shall maintain records of concentration of the sulfuric acid received by the facility and stored either in T-1003 or T-1007 or other documentation that demonstrates that the emissions from storing sulfuric acid in Tanks T-1003 and T-1007 does not exceed the sulfuric acid mist concentration standard.

Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: Y-9857	Emission unit name: Scale	List any control dev with this emission u	vices associated mit: S-8107		
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CA (Cyanuric Acid) is screened and compacted. The system is vented to the baghouse. This system includes feed hoppers, conveyors, pneumatic elevator, delumper, compactor, screen and drum scale. All sources are vented through baghouse S-8107.					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s):		
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1000 pph					
Maximum Hourly Throughput: 1000 lbs	Maximum Annual Throughput: 4380 tons	Maximum Operation 8760 hr/yr	ng Schedule:		
Fuel Usage Data (fill out all applicable fields)					
Does this emission unit combust fue	!? Yes _X_ 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 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 us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Criteria Pollutants Potential Emissions PPH TPY Carbon Monoxide (CO) International Content of the second content of the
PPHTPYCarbon Monoxide (CO)Nitrogen Oxides (NOx)Lead (Pb)Particulate Matter (PM2.5)Particulate Matter (PM10)8.4Particulate Matter (TSP)Sulfur Dioxide (SO2)Volatile Organic Compounds (VOC)Hazardous Air PollutantsPOtentiatEmissionsPPHTPYImage: PPHTPYImage: PPHTPYImage: PPHTPYImage: PPHTPYImage: PPHTPYImage: PPHTPYImage: PPHImage: PPH
Carbon Monoxide (CO)Image: Constraint of the second se
Nitrogen Oxides (NO _X) Image: Composition of the second seco
Lead (Pb)Image: constraint of the second
Particulate Matter (PM2.5)8.436.79Particulate Matter (PM10)8.436.79Total Particulate Matter (TSP)Sulfur Dioxide (SO2)Volatile Organic Compounds (VOC)Hazardous Air PollutantsPotential EmissionsPPHTPYImage: PDHTPYImage: PDHImage: PDH
Particulate Matter (PM10) 8.4 36.79 Total Particulate Matter (TSP) Sulfur Dioxide (SO2) Volatile Organic Compounds (VOC) Hazardous Air Pollutants Potential Emissions PPH TPY Image: Point of the second secon
Total Particulate Matter (TSP) Image: Compound (SO2) Sulfur Dioxide (SO2) Image: Compound (VOC) Hazardous Air Pollutants Potential Emissions PPH TPY Image: Compound (COC) Image: Compound (COC) Hazardous Air Pollutants POtential Emissions Image: Compound (COC) Image: Compound (COC) Hazardous Air Pollutants Image: Compound (COC) Image: Compound (COC) Image: Compound (COC)
Sulfur Dioxide (SO2) Image: SO2 mark Volatile Organic Compounds (VOC) Image: Sol mark Hazardous Air Pollutants Potential Emissions PPH TPY Image: Sol mark Image: Sol mark
Volatile Organic Compounds (VOC) Potential Emissions Hazardous Air Pollutants PPH TPY PPH Image: Compound (Compound (
Hazardous Air Pollutants Potential Emissions PPH TPY Image: Description of the second seco
PPH TPY
Regulated Pollutants other than Potential Emissions
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.).
Engineering Estimates
List the method(s) used to calculate the potential emissions (include dates of any stack tests conductive versions of software used, source and dates of emission factors, etc.).

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.

The permittee shall not exceed the maximum process weight rate of 1000 pounds per hour (45CSR13, R13-894, A.1)

Maximum air emission rates shall not exceed 0.32 pounds per hour of particulates (45CSR13, R13-894, A.2)

No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any process source operation which is greater than 20% opacity. (45CSR7-3.1.)

Compliance with 45CSR7-4.1. shall be demonstrated through compliance with the more stringent R13-894 particulate emission limit for emission point F-9861 (1.2 pph). (45CSR7-4.1.)

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: C-9856	Emission unit name: Screen	List any control dev with this emission u	vices associated nit: S-8107		
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CA (Cyanuric Acid) is screened and compacted. The system is vented to the baghouse. This system includes feed hoppers, conveyors, pneumatic elevator, delumper, compactor, screen and drum scale. All sources are vented through baghouse S-8107.					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s):		
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1000 pph					
Maximum Hourly Throughput: 1000 lb	Maximum Annual Throughput: 4380 tons	Maximum Operation 8760 hr/yr	ng Schedule:		
Fuel Usage Data (fill out all applicable fields)					
Does this emission unit combust fue	!? Yes _X_ 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 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 us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	ТРҮ
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)	8.4	36.79
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	ТРҮ
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	РРН	ТРҮ
List the method(s) used to calculate the poversions of software used, source and date	tential emissions (include dat s of emission factors, etc.).	tes of any stack tests conducted,
Engineering Estimate		

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.

Maximum process weight rate of 1000 lbs/hr (R13-894 A.1)

Maximum air emission rates shall not exceed 0.32 lb/hr of particulates (R13-894 A.2)

No person shall cause, suffer, allow or permit particulate matter to be vented into the open air from any type source operation or duplicate source operation, or from all air pollution control equipment installed on any type source operation or duplicate source operation in excess of the quantity specified under the appropriate source operation type in Table 45-7A of 45CSR7.

Compliance with 45CSR7-4.1 shall be demonstrated through compliance with the more stringent R13-894 particulate emission limit for emission point F-9861

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: CU-9855	Emission unit name: Granulator	List any control dev with this emission u	vices associated mit: S-8107		
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CA (Cyanuric Acid) is screened and compacted. The system is vented to the baghouse. This system includes feed hoppers, conveyors, pneumatic elevator, delumper, compactor, screen and drum scale. All sources are vented through baghouse S-8107.					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s MM/DD/YYYY	3):		
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1000 pph					
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:		
<i>Fuel Usage Data</i> (fill out all applicable fields)					
Does this emission unit combust fuel? Yes X_ No If yes, is it?					
Indirect FiredDirect			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 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 us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)	3.5	15.33	
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potenti	ial Emissions	
	PPH	TPY	
Regulated Pollutants other than	Potenti	ial Emissions	
Criteria and HAP	РРН	TPY	
	-		
List the method(s) used to calculate the po versions of software used, source and date	tential emissions (include dat s of emission factors, etc.).	tes of any stack tests conducted,	
Engineering Estimates			

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.

Maximum process weight rate of 1000 lbs/hr (R13-894 A.1)

Maximum air emission rates shall not exceed 0.32 lb/hr of particulates (R13-894 A.2)

Compliance with 45CSR7-4.1 shall be demonstrated through compliance with the more stringent R13-894 particulate emission limit for emission point F-9861

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: CP-9854	Emission unit name: Compactor	List any control devices associated with this emission unit: S-8107		
Provide a description of the emission CA (Cyanuric Acid) is screened and c feed hoppers, conveyors, pneumatic en through baghouse S-8107.	n unit (type, method of operation, do ompacted. The system is vented to the levator, delumper, compactor, screen a	esign parameters, etc. e baghouse. This syste and drum scale. All so	.): em includes urces are vented	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s): MM/DD/YYYY		
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 1000 p	ph		
Maximum Hourly Throughput: 1000 lbs	Maximum Annual Throughput: 4380 tons	Maximum Operatin 8760 hr/yr	ng Schedule:	
Fuel Usage Data (fill out all applical	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide	
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Criteria Pollutants	Potentia	1 Emissions
	РРН	ТРҮ
Carbon Monoxide (CO)		
litrogen Oxides (NO _X)		
ead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)	3.5	15.33
otal Particulate Matter (TSP)		
ulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potentia	l Emissions
	РРН	TPY
Regulated Pollutants other than	Potentia	l Emissions
Criteria and HAP	РРН	TPY
ist the method(s) used to calculate the ersions of software used, source and d	e potential emissions (include date lates of emission factors, etc.).	es of any stack tests conducted,
ingineering Estimates		

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.

Maximum process weight rate of 1000 lbs/hr (R13-894 A.1)

Maximum air emission rates shall not exceed 0.32 lb/hr of particulates (R13-894 A.2)

No person shall cause, suffer, allow or permit particulate matter to be vented into the open air from any type source operation or duplicate source operation, or from all air pollution control equipment installed on any type source operation or duplicate source operation in excess of the quantity specified under the appropriate source operation type in Table 45-7A of 45CSR7.

Compliance with 45CSR7-4.1 shall be demonstrated through compliance with the more stringent R13-894 particulate emission limit for emission point F-9861

____ Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description	Emission Unit Description				
Emission unit ID number: T-9853	Emission unit name: Hopper	List any control devices associated with this emission unit: S-8107			
Provide a description of the emission CA (Cyanuric Acid) is screened and c feed hoppers, conveyors, pneumatic en through baghouse S-8107.	n unit (type, method of operation, de ompacted. The system is vented to the levator, delumper, compactor, screen a	esign parameters, etc. e baghouse. This syste and drum scale. All so	.): em includes urces are vented		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s): MM/DD/YYYY			
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 1000 p	ph			
Maximum Hourly Throughput: 1000 lbs	Maximum Annual Throughput: 4380 tons	Maximum Operation 8760 hr/yr	ng Schedule:		
Fuel Usage Data (fill out all applical	ble fields)				
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be used during the term of the permit.					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Potentia	l Emissions	
PPH	ТРҮ	
3.5	15.33	
Potentia	ll Emissions	
PPH	TPY	
Potential Emissions		
РРН	TPY	
tial emissions (include date d'emission factors, etc.).	es of any stack tests conducted,	
	PPH 3.5 3.5 Potentia PPH Potentia PPH Image: state of the sta	

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.

Maximum process weight rate of 1000 lbs/hr (R13-894 A.1)

Maximum air emission rates shall not exceed 0.32 lb/hr of particulates (R13-894 A.2)

No person shall cause, suffer, allow or permit particulate matter to be vented into the open air from any type source operation or duplicate source operation, or from all air pollution control equipment installed on any type source operation or duplicate source operation in excess of the quantity specified under the appropriate source operation type in Table 45-7A of 45CSR7.

Compliance with 45CSR7-4.1 shall be demonstrated through compliance with the more stringent R13-894 particulate emission limit for emission point F-9861

____ Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: C-9852	Emission unit name: Bucket Elevator	List any control devices associated with this emission unit: S-8107		
Provide a description of the emission CA (Cyanuric Acid) is screened and c feed hoppers, conveyors, pneumatic en through baghouse S-8107.	n unit (type, method of operation, do ompacted. The system is vented to the levator, delumper, compactor, screen a	esign parameters, etc. e baghouse. This syste and drum scale. All so	.): em includes urces are vented	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s): MM/DD/YYYY		
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 1000 p	ph		
Maximum Hourly Throughput: 1000 lbs	Maximum Annual Throughput: 4380 tons	Maximum Operating Schedule: 8760 hr/yr		
Fuel Usage Data (fill out all application)	ble fields)	<u> </u>		
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
Indirect FiredDir		Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)	3.5	15.33	
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potenti	ial Emissions	
	PPH	TPY	
Regulated Pollutants other than	Potenti	ial Emissions	
Criteria and HAP	PPH	TPY	
List the method(s) used to calculate the po versions of software used, source and date	tential emissions (include dat s of emission factors, etc.).	tes of any stack tests conducted,	
Engineering Estimates			
Engineering Estimates			

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.

Maximum process weight rate of 1000 lbs/hr (R13-894 A.1)

Maximum air emission rates shall not exceed 0.32 lb/hr of particulates (R13-894 A.2)

No person shall cause, suffer, allow or permit particulate matter to be vented into the open air from any type source operation or duplicate source operation, or from all air pollution control equipment installed on any type source operation or duplicate source operation in excess of the quantity specified under the appropriate source operation type in Table 45-7A of 45CSR7.

Compliance with 45CSR7-4.1 shall be demonstrated through compliance with the more stringent R13-894 particulate emission limit for emission point F-9861

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-9850	Emission unit name: Hopper	List any control devices associated with this emission unit: S-8107		
Provide a description of the emission CA (Cyanuric Acid) is screened and c feed hoppers, conveyors, pneumatic en through baghouse S-8107.	n unit (type, method of operation, do ompacted. The system is vented to the levator, delumper, compactor, screen a	esign parameters, etc. e baghouse. This syste and drum scale. All so	.): em includes urces are vented	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s): MM/DD/YYYY		
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 1000 p	ph		
Maximum Hourly Throughput: 1000 lbs	Maximum Annual Throughput: 4380 tons	Maximum Operating Schedule: 8760 hr/yr		
Fuel Usage Data (fill out all applical	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
Indirect FiredDi		Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)	13.1	57.38
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potentia	ll Emissions
	PPH	TPY
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the poversions of software used, source and date Engineering Estimate.	otential emissions (include date es of emission factors, etc.).	es of any stack tests conducted,

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.

Maximum process weight rate of 1000 lbs/hr (R13-894 A.1)

Maximum air emission rates shall not exceed 0.32 lb/hr of particulates (R13-894 A.2)

No person shall cause, suffer, allow or permit particulate matter to be vented into the open air from any type source operation or duplicate source operation, or from all air pollution control equipment installed on any type source operation or duplicate source operation in excess of the quantity specified under the appropriate source operation type in Table 45-7A of 45CSR7.

Compliance with 45CSR7-4.1 shall be demonstrated through compliance with the more stringent R13-894 particulate emission limit for emission point F-9861

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description	Emission Unit Description				
Emission unit ID number: SP-9851	Emission unit name: Feeder	List any control devices associated with this emission unit: S-8107			
Provide a description of the emission CA (Cyanuric Acid) is screened and c feed hoppers, conveyors, pneumatic en through baghouse S-8107.	n unit (type, method of operation, do ompacted. The system is vented to the levator, delumper, compactor, screen a	esign parameters, etc e baghouse. This syste and drum scale. All so	.): em includes urces are vented		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1986	Modification date(s): MM/DD/YYYY			
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 1000 p	ph			
Maximum Hourly Throughput: 1000 lbs	Maximum Annual Throughput: 4380 tons	Maximum Operation 8760 hr/yr	ng Schedule:		
Fuel Usage Data (fill out all applical	ble fields)				
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be used during the term of the permit.					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)	13.1	57.38	
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potenti	ial Emissions	
	PPH	TPY	
Regulated Pollutants other than	Potenti	ial Emissions	
Criteria and HAP	РРН	TPY	
List the method(s) used to calculate the po versions of software used, source and date	s of emission factors, etc.).	tes of any stack tests conducted,	
Engineering Estimates			

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.

Maximum process weight rate of 1000 lbs/hr (R13-894 A.1)

Maximum air emission rates shall not exceed 0.32 lb/hr of particulates (R13-894 A.2)

No person shall cause, suffer, allow or permit particulate matter to be vented into the open air from any type source operation or duplicate source operation, or from all air pollution control equipment installed on any type source operation or duplicate source operation in excess of the quantity specified under the appropriate source operation type in Table 45-7A of 45CSR7.

Compliance with 45CSR7-4.1 shall be demonstrated through compliance with the more stringent R13-894 particulate emission limit for emission point F-9861

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-401	Emission unit name: Feed Tank	List any control devices associated with this emission unit: NA		
Provide a description of the emissio CDB-56 Process Feed tank.	n unit (type, method of operation, d	esign parameters, etc	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1962	Modification date(s	»):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 20,000	gallons		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hr/yr		
<i>Fuel Usage Data</i> (fill out all applica	ble fields)	1		
Does this emission unit combust fue	1? Yes _X_ No	If yes, is it?	Direct Fired	
Maximum design heat input and/or	Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of burners:			
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
Emissions Data				
---	---	-----------------------------------		
Criteria Pollutants	Potenti	al Emissions		
	PPH	TPY		
Carbon Monoxide (CO)				
Nitrogen Oxides (NO _X)				
Lead (Pb)				
Particulate Matter (PM _{2.5})				
Particulate Matter (PM ₁₀)				
Total Particulate Matter (TSP)				
Sulfur Dioxide (SO ₂)				
Volatile Organic Compounds (VOC)				
Hazardous Air Pollutants	Potential Emissions			
	PPH	TPY		
Regulated Pollutants other than	Potenti	al Emissions		
Criteria and HAP	PPH	TPY		
List the method(s) used to calculate the po versions of software used, source and date	otential emissions (include dat es of emission factors, etc.).	tes of any stack tests conducted,		
No vent No Emissions				

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-402	Emission unit name: Feed Tank	List any control dev with this emission u	vices associated mit: NA	
Provide a description of the emissio CDB-56 Process Feed tank.	n unit (type, method of operation, d	esign parameters, etc	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1962	Modification date(s	»):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 20,000	gallons		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hr/yr		
<i>Fuel Usage Data</i> (fill out all applica	ble fields)	1		
Does this emission unit combust fue	l? Yes _X_ No	If yes, is it?	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 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	

Emissions Data		
Criteria Pollutants	Potenti	al Emissions
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than	Potenti	al Emissions
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the po versions of software used, source and date	otential emissions (include dat es of emission factors, etc.).	tes of any stack tests conducted,
No vent No Emissions		

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-403	Emission unit name: Reactor Tank	List any control dev with this emission u	vices associated mit: NA	
Provide a description of the emissio CDB-56 Process Reactor tank.	n unit (type, method of operation, d	esign parameters, etc	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/2013	Modification date(s	»):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 20,000	gallons		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applica	ble fields)	1		
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?	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 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	

Emissions Data		
Criteria Pollutants	Potenti	al Emissions
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than	Potenti	al Emissions
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the po versions of software used, source and date	otential emissions (include dat es of emission factors, etc.).	tes of any stack tests conducted,
No vent No Emissions		

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-543	Emission unit name: Primary Feed Tank	List any control dev with this emission u	vices associated mit: NA	
Provide a description of the emissio CDB-56 Primary feed tank.	n unit (type, method of operation, d	esign parameters, etc	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1973	Modification date(s):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 2,200 g	gallons		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applica	ble fields)			
Does this emission unit combust fue	l? Yes _X_ No	If yes, is it?	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 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	

Emissions Data		
Criteria Pollutants	Potenti	al Emissions
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than	Potenti	al Emissions
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the poversions of software used, source and date	otential emissions (include dat es of emission factors, etc.).	es of any stack tests conducted,
No vent No Emissions		

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control dev	vices associated	
D-501	Chlorinator	Scrubber	mt: D-330A	
Provide a description of the emission Batch feed tank for CDB56 chlorination	n unit (type, method of operation, do on. Exhausts to chlorine scrubber.	esign parameters, etc.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1997	Modification date(s):	
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 2,650 g	allons		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applical	ble fields)			
Does this emission unit combust fue	!? Yes _X_ 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 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	

Potential Emissions		
РРН	ТРҮ	
Poten	tial Emissions	
PPH	TPY	
Refer to D-336A		
Poten	tial Emissions	
PPH	TPY	
e potential emissions (include d lates of emission factors, etc.).	ates of any stack tests conducted,	
to D-336A for emissions data.		
	Poter PPH PPH Poter Poter PPH Refer to D-336A Poter PPH Poter PPH	

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control dev	vices associated	
D-541	Chlorinator	Scrubber	mt: D-330A	
Provide a description of the emission Batch feed tank for CDB56 chlorination	n unit (type, method of operation, do on. Exhausts to chlorine scrubber.	esign parameters, etc.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1997	Modification date(s):	
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 2,650 g	allons		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applical	ble fields)			
Does this emission unit combust fue	!? Yes _X_ 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 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	

Potential Emissions		
РРН	ТРҮ	
Poten	tial Emissions	
PPH	TPY	
Refer to D-336A		
Poten	tial Emissions	
PPH	TPY	
e potential emissions (include d lates of emission factors, etc.).	ates of any stack tests conducted,	
to D-336A for emissions data.		
	Poter PPH PPH Poter Poter PPH Refer to D-336A Poter PPH Poter PPH	

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control de	vices associated	
D-562A	Chlorinator	Scrubber	init:D-336A	
Provide a description of the emissio Batch feed tank for CDB56 chlorination	n unit (type, method of operation, d oon. Exhausts to chlorine scrubber.	esign parameters, etc	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1979	Modification date(s MM/DD/YYYY):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 2400 g	allons		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applica	ble fields)			
Does this emission unit combust fue	l?Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Poten	tial Emissions
РРН	ТРҮ
Potential Emissions	
PPH	TPY
Refer to D-336A	
Potential Emissions	
PPH	TPY
e potential emissions (include d lates of emission factors, etc.).	ates of any stack tests conducted,
to D-336A for emissions data.	
	Poter PPH PPH Poter Poter PPH Refer to D-336A Poter PPH Poter PPH

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control de	vices associated	
D-502B	Chlorinator	Scrubber	INIT: D-336A	
Provide a description of the emissio Batch feed tank for CDB56 chlorination	n unit (type, method of operation, d oon. Exhausts to chlorine scrubber.	esign parameters, etc	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1979	Modification date(s):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 2400 gallons				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
Fuel Usage Data (fill out all applica	ble fields)	I		
Does this emission unit combust fue	l? Yes _X_ No	If yes, is it?		
Indirect FiredD		Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Potentia	1 Emissions
РРН	ТРҮ
Potential Emissions	
PPH	TPY
Refer to D-336A	
Potential Emissions	
PPH	TPY
ootential emissions (include data tes of emission factors, etc.).	es of any stack tests conducted,
D-336A for emissions data.	
	PPH Potentia PPH Refer to D-336A PPH Refer to D-336A Potentia PPH

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-732	Emission unit name: Salt Makeup Tank	List any control dev with this emission u	vices associated mit: D-336A	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch feed tank for CDB56 chlorination. Exhausts to chlorine scrubber.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1998	Modification date(s MM/DD/YYYY):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1000 gallons				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
Fuel Usage Data (fill out all application)	ble fields)	1		
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
Indi		Indirect Fired	Indirect FiredDirect Fired	
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide	
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Potential Er	TPY
PPH	
Potential Er	
Potential E	
Potential Er	
Potential Er	
Potential E	
	missions
РРН	TPY
to D-336A	
Potential Er	missions
PPH	TPY
nissions (include dates of sion factors, etc.).	f any stack tests conducted,
	PPH PPH Potential E

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A

Permit Shield

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Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control de	vices associated	
CE-673	Centrifuge	Scrubber	IIII: D-330A	
Provide a description of the emission Batch feed tank for CDB56 chlorination	n unit (type, method of operation, do on. Exhausts to chlorine scrubber.	esign parameters, etc	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1979	Modification date(s):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 60 GPM				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
Fuel Usage Data (fill out all applica	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
Indirect Fired		Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Potential Emissions		
РРН	TPY	
Potential Emissions		
PPH	TPY	
Refer to D-336A		
Potential Emissions		
РРН	TPY	
potential emissions (include dates o	of any stack tests conducted.	
ates of emission factors, etc.).		
A		
A		
	Potential H PPH 1 1	

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A

Permit Shield

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Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control de	vices associated	
CE-734	Centrifuge	Scrubber	IIII: D-330A	
Provide a description of the emission Batch feed tank for CDB56 chlorination	n unit (type, method of operation, do on. Exhausts to chlorine scrubber.	esign parameters, etc	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/2006	Modification date(s):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 125 GPM				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
Fuel Usage Data (fill out all applica	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
Indirect FiredD		Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Emissions Data		
Criteria Pollutants		tial Emissions
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Chlorine	Refer to D-336A	
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the versions of software used, source and d	potential emissions (include dates of emission factors, etc.).	ates of any stack tests conducted,
Source vents to D-336A scrubber. Refer	to D-336A	

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control de	vices associated	
CE-733	Centrifuge	Scrubber	init: D-336A	
Provide a description of the emissio Batch feed tank for CDB56 chlorination	n unit (type, method of operation, do on. Exhausts to chlorine scrubber.	esign parameters, etc	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/2002	Modification date(s):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 125 GPM				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hr/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all application)	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
Indirect FiredDi		Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

ssions TPY ssions TPY ssions TPY
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TPY
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ny stack usis conducted,
s

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A

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Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated mit: D-336A	
CL-152	Centinuge	Scrubber		
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch feed tank for CDB56 chlorination. Exhausts to chlorine scrubber.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/2016	Modification date(s):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 125 GPM				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applicable fields)				
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
ons Data				
--	---	---------------------------------		
Pollutants	Potential Emissions			
	PPH	TPY		
Monoxide (CO)				
n Oxides (NO _X)				
b)				
ate Matter (PM _{2.5})				
ate Matter (PM ₁₀)				
articulate Matter (TSP)				
Dioxide (SO ₂)				
e Organic Compounds (VOC)				
azardous Air Pollutants	Potential Emissions			
	РРН	TPY		
e	Refer to D-336A			
lated Pollutants other than	Potential	Emissions		
Criteria and HAP	PPH	TPY		
mathed(a) used to coloulate the note:	ntial amiggiong (include date)	a of any staals tasts aandustad		
e method(s) used to calculate the potents s of software used, source and dates of	ntial emissions (include dates of emission factors, etc.).	s of any stack tests conducted,		
vents to D 336A Pafor to D 336A				
vents to D-550A. Refer to D-550A				
vents to D-336A. Refer to D-336A				

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A

Permit Shield

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Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form						
Emission Unit Description						
Emission unit ID number:	Emission unit name:	List any control de	devices associated			
CE-731	Centrifuge	Scrubber	IIII: D-330A			
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch feed tank for CDB56 chlorination. Exhausts to chlorine scrubber.						
Manufacturer:	Model number:	Serial number:				
Construction date: MM/DD/YYYY	Installation date: MM/DD/2002	Modification date(s MM/DD/2004):			
Design Capacity (examples: furnace	Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 125 GPM					
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hr/yr	ng Schedule:			
Fuel Usage Data (fill out all applica	ble fields)	I				
Does this emission unit combust fue	l? Yes _X_ 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 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 us	ed during the term of the permit.					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value			

ssions TPY ssions TPY ssions TPY
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s

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.

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Permit Shield

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Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number:	Emission unit name: List any contr	List any control dev	vices associated		
C-731	Conveyor	Scrubber	IIIt: D-550A		
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch feed tank for CDB56 chlorination. Exhausts to chlorine scrubber.					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/2000	Modification date(s):		
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 42,000 pph					
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hrs/yr	ng Schedule:		
Fuel Usage Data (fill out all applical	ble fields)				
Does this emission unit combust fuel	?Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of burners:					
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

	Dotortiol I	Emissions
	РОСЕПЦИИ	TPV
Carbon Monoxide (CO)	1111	11 1
Nitrogen Oxides (NO _x)		
Lead (Pb)		
Particulate Matter (PM ₂₅)		
Particulate Matter (PM_{10})		
Total Particulate Matter (TSP)	Refer to D-336A	
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential I	Emissions
	РРН	TPY
Regulated Pollutants other than	Potential I	Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the p versions of software used, source and dat	ootential emissions (include dates tes of emission factors, etc.).	of any stack tests conducted,
Refer to D-336A		

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A

Permit Shield

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Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number:	Emission unit name: List any co	List any control dev	rices associated		
C-732	Conveyor	Scrubber	nit: D-336A		
Provide a description of the emission unit (type, method of operation, design parameters, etc.):					
Batch feed tank for CDB56 chlorinatio	on. Exhausts to chlorine scrubber.	tsign parameters, etc.)•		
		a			
Manufacturer:	Model number:	Serial number:			
Construction date:	Installation date:	Modification date(s):		
MM/DD/YYYY	MM/DD/2000	MM/DD/YYYY			
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 42,000	pph			
		Ι			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatir 8760 hrs/yr	ng Schedule:		
<i>Fuel Usage Data</i> (fill out all applical	ble fields)				
Does this emission unit combust fue	?Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if a	applicable, the secondary fuel type(s). For each fuel type	listed, provide		
the maximum hourly and annual fu	el usage for each.				
Describe each fuel expected to be us	ed during the term of the permit.	1			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

	Dotortiol I	Emissions
	РОСЕПЦИИ	TPV
Carbon Monoxide (CO)	1111	11 1
Nitrogen Oxides (NO _x)		
Lead (Pb)		
Particulate Matter (PM ₂₅)		
Particulate Matter (PM_{10})		
Total Particulate Matter (TSP)	Refer to D-336A	
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential I	Emissions
	РРН	TPY
Regulated Pollutants other than	Potential I	Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the p versions of software used, source and dat	ootential emissions (include dates tes of emission factors, etc.).	of any stack tests conducted,
Refer to D-336A		

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form						
Emission Unit Description						
Emission unit ID number:	Emission unit name:	List any control dev	vices associated			
C-737	Conveyor	Scrubber	mit: D-336A			
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch feed tank for CDB56 chlorination. Exhausts to chlorine scrubber.						
Manufacturer:	Model number:	Serial number:				
Construction date: MM/DD/YYYY	Installation date: MM/DD/2000	Modification date(s MM/DD/YYYY):			
Design Capacity (examples: furnace	Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 42,000 pph					
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:			
Fuel Usage Data (fill out all applical	ble fields)	1				
Does this emission unit combust fue	Does this emission unit combust fuel? Yes X_ No If yes, is it?					
		Indirect Fired	Direct Fired			
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of burners:						
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.						
Describe each fuel expected to be us	ed during the term of the permit.					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value			

	Dotortiol I	Emissions
	РОСЕПЦИИ	TPV
Carbon Monoxide (CO)	1111	11 1
Nitrogen Oxides (NO _x)		
Lead (Pb)		
Particulate Matter (PM ₂₅)		
Particulate Matter (PM_{10})		
Total Particulate Matter (TSP)	Refer to D-336A	
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential I	Emissions
	РРН	TPY
Regulated Pollutants other than	Potential I	Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the p versions of software used, source and dat	ootential emissions (include dates tes of emission factors, etc.).	of any stack tests conducted,
Refer to D-336A		

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.

No rule 13 permit exists. Refer to R13-1698, R13-1724A

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number:	Emission unit name:	List any control devices associat		Emission unit name: List any control devic	vices associated
C-736	Conveyor	Scrubber	nit: D-336A		
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch feed tank for CDB56 chlorination. Exhausts to chlorine scrubber.					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/2000	Modification date(s):		
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 42,000 pph					
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:		
Fuel Usage Data (fill out all applica	ble fields)	I			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

	Dotortiol I	Emissions
	РОСЕПЦИИ	TPV
Carbon Monoxide (CO)	1111	11 1
Nitrogen Oxides (NO _x)		
Lead (Pb)		
Particulate Matter (PM ₂₅)		
Particulate Matter (PM_{10})		
Total Particulate Matter (TSP)	Refer to D-336A	
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential I	Emissions
	РРН	TPY
Regulated Pollutants other than	Potential I	Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the p versions of software used, source and dat	ootential emissions (include dates tes of emission factors, etc.).	of any stack tests conducted,
Refer to D-336A		

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.

No rule 13 exists for CDB 56. Refer to R13-1698, R13-1724A

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number:	Emission unit name:	List any control dev	vices associated		
C-734	Conveyor	Scrubber	IIII: D-330A		
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch feed tank for CDB56 chlorination. Exhausts to chlorine scrubber.					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/2000	Modification date(s):		
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 42,000	pph			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:		
Fuel Usage Data (fill out all applical	ble fields)				
Does this emission unit combust fuel	?Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of burners:					
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

	Dotortiol I	Emissions
Carbon Monoxide (CO)	1111	11 1
Nitrogen Oxides (NO _x)		
Lead (Pb)		
Particulate Matter (PM ₂₅)		
Particulate Matter (PM_{10})		
Total Particulate Matter (TSP)	Refer to D-336A	
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential I	Emissions
	РРН	TPY
Regulated Pollutants other than	Potential I	Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the p versions of software used, source and dat	ootential emissions (include dates tes of emission factors, etc.).	of any stack tests conducted,
Refer to D-336A		

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.

No rule 13 permit exists. Refer to R13-1698, R13-1724A

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATT	ATTACHMENT E - Emission Unit Form					
Emission Unit Description	Emission Unit Description					
Emission unit ID number:	Emission unit name:	List any control de	vices associated			
C-735	Conveyor	Scrubber	IIII: D-330A			
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch feed tank for CDB56 chlorination. Exhausts to chlorine scrubber.						
Manufacturer:	Model number:	Serial number:				
Construction date: MM/DD/YYYY	Installation date: MM/DD/2000	Modification date(s):			
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 42,000 pph						
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:			
Fuel Usage Data (fill out all applica	ble fields)	I				
Does this emission unit combust fue	!? Yes _X_ 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 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 us	ed during the term of the permit.					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value			

	Dotortiol I	Emissions
Carbon Monoxide (CO)	1111	11 1
Nitrogen Oxides (NO _x)		
Lead (Pb)		
Particulate Matter (PM ₂₅)		
Particulate Matter (PM_{10})		
Total Particulate Matter (TSP)	Refer to D-336A	
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential I	Emissions
	РРН	TPY
Regulated Pollutants other than	Potential I	Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the p versions of software used, source and dat	ootential emissions (include dates tes of emission factors, etc.).	of any stack tests conducted,
Refer to D-336A		

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATT	ATTACHMENT E - Emission Unit Form				
Emission Unit Description					
Emission unit ID number:	Emission unit name:	List any control de	vices associated		
F-831	Dryer	S-831	mit: 5-832,		
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB56 is dried and sized. Sources in this emission group include a natural gas flash dryer, feeder, cage mill, chilsonator feed bins, granulators, sizing screen, surge tanks, bin inverters and scales. All equipment is vented through a baghouse.					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1970	Modification date(s	s):		
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 3.5 MMBtu/hr					
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:		
<i>Fuel Usage Data</i> (fill out all application)	ble fields)				
Does this emission unit combust fue	!? _X_Yes No	If yes, is it?			
		Indirect Fired	_X_Direct Fired		
Maximum design heat input and/or maximum horsepower rating:Type and Btu/hr rating of burners:3.5 MMBtu/hr					
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Natural gas					
Describe each fuel expected to be us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		
Natural Gas			22560 BTU		

Emissions Data		
Criteria Pollutants	Potentia	ll Emissions
	РРН	TPY
Carbon Monoxide (CO)	0.288	1.26
Nitrogen Oxides (NO _X)	0.3431	1.5
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	6667	29201
Sulfur Dioxide (SO ₂)	0.002	0.0876
Volatile Organic Compounds (VOC)	0.0199	0.087
Hazardous Air Pollutants	Potentia	ll Emissions
	PPH	TPY
Regulated Pollutants other than	Potentia	l Emissions
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.).

AP-42 (3/98) Table 1.4-2 and 1998 fuel usage.

PM emissions based on local emission factor.

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.

No rule 13 permit exists for the CDB 56 process. Refer to R13-1698, R13-1724A.

45CSR7-3.1

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form						
Emission Unit Description	Emission Unit Description					
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated			
C-833	Mill	C-8320				
Provide a description of the emission CDB56 is dried and sized. Sources in chilsonator feed bins, granulators, sizi through a baghouse.	n unit (type, method of operation, do this emission group include a natural ng screen, surge tanks, bin inverters an	esign parameters, etc. gas flash dryer, feeder, nd scales. All equipme	.): , cage mill, ent is vented			
Manufacturer:	Model number:	Serial number:				
Construction date: MM/DD/YYYY	Installation date: MM/DD/1966	Modification date(s):			
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 9,000 c	fm				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hr/yr	ng Schedule:			
<i>Fuel Usage Data</i> (fill out all applical	ble fields)	1				
Does this emission unit combust fue	!? Yes _X_ 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 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 us	ed during the term of the permit.	1				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value			

Interna Pollutants Potential Emissions PPH TH Carbon Monoxide (CO) Th Varion Monoxide (PM2.5) Th Varion Matter (PM2.5) Th Varion Matter (TSP) Th Volatile Matter (TSP) Th Volatile Organic Compounds (VOC) Th Hazardous Air Pollutants Potential Emissions PPH Th Th Th PPH Th Th Th PPH Th PPH Th Th Th PPH Th Th Th PPH Th Th Th PPH Th Th Th Potential Emissions Th PPH Th PPH Th <th>Potential Emissions PPH TPY POTENTIAL Emissions PPH TPY POTENTIAL Emissions PPH TPY</th>	Potential Emissions PPH TPY POTENTIAL Emissions PPH TPY POTENTIAL Emissions PPH TPY
PPH TH Carbon Monoxide (CO) Image: Composition of the second sec	PPH TPY
Carbon Monoxide (CO) Image: Constraint of the second s	Image: Constraint of the second se
Nitrogen Oxides (NOx)	Image: constraint of the second se
Lead (Pb) Image: constraint of the sector of the secto	Potential Emissions PPH TPY Potential Emissions PPH TPY PPH TPY
Particulate Matter (PM2.5)	Potential Emissions PPH TPY PPH TPY PPH TPY PPH TPY
Particulate Matter (PM10) Image: Composition of the sector of the se	Potential Emissions PPH TPY Potential Emissions PPH TPY Potential Emissions PPH TPY
Total Particulate Matter (TSP) Sulfur Dioxide (SO2) Volatile Organic Compounds (VOC) Hazardous Air Pollutants Potential Emissions PPH TF Image: Compound (Compound (Com	Potential Emissions PPH TPY PPH TPY Potential Emissions PPH TPY
Sulfur Dioxide (SO2) Image: Compounds (VOC) Hazardous Air Pollutants Potential Emissions PPH TF Image: Compounds (VOC) Image: Compounds (VOC) Hazardous Air Pollutants POtential Emissions PPH TF Image: Compounds (VOC) Image: Compounds (VOC) Regulated Pollutants other than Criteria and HAP POtential Emissions Image: Compounds (VOC) Image: Compounds (VOC) Image: Compounds (VOC) Image: Compounds (VOC) Image: Compounds (VOC) Image: Compound (VOC) Image: Compounds (VOC) Image: Compound (VOC) Image: Compound (VOC) Image: Compound (VOC) Image:	Potential Emissions PPH TPY PH Potential Emissions POtential Emissions PPH TPY
Volatile Organic Compounds (VOC) Potential Emissions Hazardous Air Pollutants PPH TF PPH IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Potential Emissions PPH TPY POtential Potential Potential Potential Emissions PPH TPY
Hazardous Air Pollutants Potential Emissions PPH TF Image: Constraint of the stress of the stres	Potential Emissions PPH TPY Image: Colspan="2">Image: Colspan="2" Image: Colspa="" Image: Colspan="2" Image: Colspan="2" Image: Colspa
PPH TF PPH TF PPH P PPH P Regulated Pollutants other than Criteria and HAP Potential Emissions PPH TF	PPH TPY TPY Potential Emissions PPH TPY
Regulated Pollutants other than Potential Emissions Criteria and HAP PPH TF	Potential Emissions PPH TPY
Regulated Pollutants other than Criteria and HAP Potential Emissions PPH TF	Potential Emissions PPH TPY
Regulated Pollutants other than Criteria and HAP Potential Emissions PPH TF	Potential Emissions PPH TPY
Regulated Pollutants other than Criteria and HAP Potential Emissions PPH TH	Potential Emissions PPH TPY
Regulated Pollutants other than Criteria and HAP Potential Emissions PPH TF	Potential Emissions PPH TPY
Criteria and HAP PPH TF	PPH TPY
List the method(s) used to calculate the potential emissions (include dates of any stack tests)	the potential emissions (include dates of any stack tests conducted,
versions of software used, source and dates of emission factors, etc.).	nd dates of emission factors, etc.).
	20 for total particulate emissions.
List the method(s) used to calculate the potential emissions (include dates of any stack tests versions of software used, source and dates of emission factors, etc.).	the potential emissions (include dates of any stack tests conducted dates of emission factors, etc.). 20 for total particulate emissions.

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATI	FACHMENT E - Emission Uni	it Form			
Emission Unit Description					
Emission unit ID number:	Emission unit name:	List any control dev	vices associated		
C-831	Combin Feeder	C-8320			
Provide a description of the emissio Feeder	on unit (type, method of operation, d	esign parameters, etc	.):		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/2007	Modification date(s):		
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 30 to 90 cfa					
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:		
Fuel Usage Data (fill out all applica	ble fields)				
Does this emission unit combust fu	el?Yes _ <u>X</u> 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 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 u	sed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		
v 1					

	5/11	ential Emissions
	РРН	TPY
Carbon Monoxide (CO)		
Vitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Cotal Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Pot	ential Emissions
	PPH	TPY
Regulated Pollutants other than	Pot	ential Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate rersions of software used, source an	the potential emissions (include d dates of emission factors, etc.)	dates of any stack tests conducted,
List the method(s) used to calculate versions of software used, source an Refer to control devices C-8310/C-832	the potential emissions (include d dates of emission factors, etc.) 20 for total particulate emissions.	dates of any stack tests cond

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? <u>X</u>Yes <u>No</u>

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

ATT	ATTACHMENT E - Emission Unit Form				
Emission Unit Description					
Emission unit ID number:	Emission unit name:	List any control dev	vices associated		
I-831 Heater With this emission unit: S1-954					
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB56 is dried and sized. Sources in this emission group include a natural gas flash dryer, feeder, cage mill, chilsonator feed bins, granulators, sizing screen, surge tanks, bin inverters and scales. All equipment is vented through a baghouse.					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1964	Modification date(s):		
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 720,000) Btu/hr			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:		
<i>Fuel Usage Data</i> (fill out all applical	ble fields)				
Does this emission unit combust fue	I? _X_Yes No	If yes, is it?			
		Indirect Fired	_X_ Direct Fired		
Maximum design heat input and/or maximum horsepower rating: 720,000 BtuType and Btu/hr rating of burners:					
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Natural gas					
Describe each fuel expected to be us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		
Natural Gas			22560		

Potential Emissions	
РРН	ТРҮ
Potenti	al Emissions
PPH	ТРҮ
Potenti	al Emissions
PPH	TPY
potential emissions (include dat ates of emission factors, etc.).	es of any stack tests conducted,
	Potential emissions (include data ates of emission factors, etc.).

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATT	ATTACHMENT E - Emission Unit Form				
Emission Unit Description					
Emission unit ID number: T-801A	Emission unit name: Chilsonator Feed Bin	List any control dev with this emission u	vices associated nit: C-9540		
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB56 is dried and sized. Sources in this emission group include a natural gas flash dryer, feeder, cage mill, chilsonator feed bins, granulators, sizing screen, surge tanks, bin inverters and scales. All equipment is vented through a baghouse.					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/2004	Modification date(s):		
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 50 ft^3				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:		
<i>Fuel Usage Data</i> (fill out all applical	l ble fields)				
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?	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 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 us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		
Potential Emission PPH Parbon Monoxide (CO) Vitrogen Oxides (NO _X) ead (Pb) Particulate Matter (PM _{2.5}) Particulate Matter (PM ₁₀) Potential Emission Potential E	TPY 13166				
---	--------------				
PPH Carbon Monoxide (CO) Nitrogen Oxides (NO _x) ead (Pb) articulate Matter (PM _{2.5}) articulate Matter (PM ₁₀) Cotal Particulate Matter (TSP) 3006 ulfur Dioxide (SO ₂) Volatile Organic Compounds (VOC)	13166				
Carbon Monoxide (CO) Nitrogen Oxides (NO _X) Lead (Pb) Particulate Matter (PM _{2.5}) Particulate Matter (PM ₁₀) Fotal Particulate Matter (TSP) Sulfur Dioxide (SO ₂) Volatile Organic Compounds (VOC)	13166				
Nitrogen Oxides (NO _x)	13166				
Lead (Pb) Particulate Matter (PM2.5) Particulate Matter (PM10) Particulate Matter (PM10) Fotal Particulate Matter (TSP) 3006 Sulfur Dioxide (SO2) Particulate Matter (PM10)	13166				
Particulate Matter (PM _{2.5}) Particulate Matter (PM ₁₀) Fotal Particulate Matter (TSP) 3006 Sulfur Dioxide (SO ₂) Volatile Organic Compounds (VOC)	13166				
Particulate Matter (PM10) Fotal Particulate Matter (TSP) Sulfur Dioxide (SO2) Volatile Organic Compounds (VOC)	13166				
Fotal Particulate Matter (TSP) 3006 Sulfur Dioxide (SO ₂)	13166				
Sulfur Dioxide (SO2) Volatile Organic Compounds (VOC)					
Volatile Organic Compounds (VOC)					
Hazardous Air Pollutants Potential Emission	ons				
PPH	TPY				
Regulated Pollutants other than Potential Emission	ons				
Criteria and HAP PPH	TPY				

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: CP-905	Emission unit name: Chilsonator	List any control dev with this emission u	vices associated nit: C-9540	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB56 is dried and sized. Sources in this emission group include a natural gas flash dryer, feeder, cage mill, chilsonator feed bins, granulators, sizing screen, surge tanks, bin inverters and scales. All equipment is vented through a baghouse.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1966	Modification date(s):	
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 4100 pj	ph		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hrs/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applical	le fields)			
Does this emission unit combust fue	l?Yes _X_ No	If yes, is it?	Direct Fired	
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

PPH arbon Monoxide (CO) iitrogen Oxides (NO _X) ead (Pb) articulate Matter (PM _{2.5}) articulate Matter (PM ₁₀) otal Particulate Matter (TSP) 3006 ulfur Dioxide (SO ₂) rolatile Organic Compounds (VOC) Hazardous Air Pollutants PPH PPH Regulated Pollutants other than Criteria and HAP PPH	PPH TPY PPH TPY 3006 13166 3006 13166 Potential Emissions PPH TPY PPH TPY Potential Emissions PPH TPY PPH TPY Potential Emissions PPH TPY
Carbon Monoxide (CO) Image: Colored state of the s	3006 13166 3006 13166 Potential Emissions PPH TPY Potential Emissions Potential Emissions
Nitrogen Oxides (NO _X)	3006 13166 3006 13166 Potential Emissions PPH TPY Potential Emissions PPH TPY
Lead (Pb) Image: constraint of the second secon	3006 13166 3006 13166 Potential Emissions PPH TPY Potential Emissions PPH TPY
Particulate Matter (PM2.5) Image: matrix of the second	3006 13166 3006 13166 Potential Emissions 13166 PPH TPY POtential Emissions 1000 PPH TPY POtential Emissions 1000
Particulate Matter (PM10) Image: Superscript of the superscrip	3006 13166 3006 13166 Potential Emissions PPH TPY Otential Emissions Potential Emissions Potential Emissions Potential Emissions PPH TPY
Total Particulate Matter (TSP)3006Sulfur Dioxide (SO2)Volatile Organic Compounds (VOC)Hazardous Air PollutantsPotential EmissionsPPHImage: PPHImage: Potential EmissionsImage: PPHImage: Potential Pollutants other than Criteria and HAPPPHImage: PPHImage: PPHImage: PPHImage: PPH	3006 13166 Potential Emissions PPH TPY Otential Emissions Potential Emissions PPH TPY
Sulfur Dioxide (SO2) Image: Compounds (VOC) Volatile Organic Compounds (VOC) Potential Emissions Hazardous Air Pollutants Potential Emissions PPH Image: Compounds Image: Compounds (VOC) Image: Compounds Hazardous Air Pollutants PPH Image: Compounds (VOC) Image: Compounds Image: Compounds (VOC) Image: Compounds <	Potential Emissions PPH TPY POtential Emissions Potential Emissions POtential Emissions PPH TPY
Volatile Organic Compounds (VOC)Potential EmissionsHazardous Air PollutantsPotential EmissionsPPHImage: Potential PollutantsImage: Potential PollutantsRegulated Pollutants other than Criteria and HAPPotential EmissionsPPHImage: Potential PollutantsImage: PollutantsI	Potential Emissions PPH TPY
Hazardous Air Pollutants Potential Emissions PPH Image: Constraint of the pole o	Potential Emissions PPH TPY Image: Colspan="2">Image: Colspan="2" Image: Colspan="" Toto Image: Colspan="" Toto Ima
PPH PPH Image: Constraint of the state of the sta	PPH TPY TPY Potential Emissions PPH TPY
Regulated Pollutants other than Criteria and HAP Potential Emissions PPH	Potential Emissions PPH TPY
Regulated Pollutants other than Potential Emissions Criteria and HAP PPH	Potential Emissions PPH TPY
Regulated Pollutants other than Potential Emissions Criteria and HAP PPH	Potential Emissions PPH TPY
Regulated Pollutants other than Potential Emissions Criteria and HAP PPH	Potential Emissions PPH TPY
Regulated Pollutants other than Criteria and HAP Potential Emissions PPH	Potential Emissions PPH TPY
Criteria and HAP PPH	РРН ТРҮ
List the method(s) used to calculate the potential emissions (include dates of any stack tes versions of software used, source and dates of emission factors, etc.).	ootential emissions (include dates of any stack tests conducted, tes of emission factors, etc.).
EGT15 - Older and Landshare Englishing English	
versions of software used, source and dates of emission factors, etc.).	tes of emission factors, etc.).

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: CU-900	Emission unit name: Granulator	List any control dev with this emission u	vices associated mit: C-9540	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB56 is dried and sized. Sources in this emission group include a natural gas flash dryer, feeder, cage mill, chilsonator feed bins, granulators, sizing screen, surge tanks, bin inverters and scales. All equipment is vented through a baghouse.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1966	Modification date(s MM/DD/YYYY):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 4100 pp	bh		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applical	l ble fields)			
Does this emission unit combust fue	!? 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 b			ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Natural gas				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Emissions Data			
Criteria Pollutants	Potential Emissions		
	РРН	ТРҮ	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)	3006	13166	
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Pote	ential Emissions	
	PPH	TPY	
Regulated Pollutants other than	Pote	ential Emissions	
Criteria and HAP	PPH	TPY	
List the method(s) used to calculate the po versions of software used, source and dates	tential emissions (include s of emission factors, etc.).	dates of any stack tests conducted,	
EST15 State or local agency emission factor			

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: CU-951	Emission unit name: Granulator	List any control dev with this emission u	vices associated mit: C-9540		
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB56 is dried and sized. Sources in this emission group include a natural gas flash dryer, feeder, cage mill, chilsonator feed bins, granulators, sizing screen, surge tanks, bin inverters and scales. All equipment is vented through a baghouse.					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1966	Modification date(s MM/DD/YYYY):		
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 1000 pp	bh			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatio	ng Schedule:		
<i>Fuel Usage Data</i> (fill out all applical	l ble fields)				
Does this emission unit combust fue	!? 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			ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Natural gas					
Describe each fuel expected to be us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Emissions Data			
Criteria Pollutants	Potential Emissions		
	РРН	ТРҮ	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)	3006	13166	
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Pote	ential Emissions	
	PPH	TPY	
Regulated Pollutants other than	Pote	ential Emissions	
Criteria and HAP	PPH	TPY	
List the method(s) used to calculate the po versions of software used, source and dates	tential emissions (include s of emission factors, etc.).	dates of any stack tests conducted,	
EST15 State or local agency emission factor			

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control dev	vices associated
H-953	Heater	with this emission u	mit: C-9580
Provide a description of the emission CDB56 is dried and sized. Sources in chilsonator feed bins, granulators, sizi through a baghouse.	n unit (type, method of operation, do this emission group include a natural ng screen, surge tanks, bin inverters an	esign parameters, etc gas flash dryer, feeder nd scales. All equipme	.): , cage mill, ent is vented
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1964	Modification date(s):
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 720,000) Btu/hr	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:
<i>Fuel Usage Data</i> (fill out all applical	ble fields)		
Does this emission unit combust fue	I? _X_Yes No	If yes, is it?	
		Indirect Fired	_X_ Direct Fired
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of burners 720,000 Btu/hr			ting of burners:
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Natural gas			
Describe each fuel expected to be us	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural Gas			22560

Emissions Data				
riteria Pollutants Potential Emissions				
	РРН	ТРҮ		
Carbon Monoxide (CO)				
Nitrogen Oxides (NO _X)				
Lead (Pb)				
Particulate Matter (PM _{2.5})				
Particulate Matter (PM ₁₀)				
Total Particulate Matter (TSP)				
Sulfur Dioxide (SO ₂)				
Volatile Organic Compounds (VOC)				
Hazardous Air Pollutants	Poten	tial Emissions		
	РРН	ТРҮ		
Regulated Pollutants other than	Poten	itial Emissions		
	PPH	ТРҮ		
versions of software used, source and da	tes of emission factors, etc.).	ales of any stack tests conducted,		

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A

____ Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: SC-986A	Emission unit name: Sizing Screen	List any control dev with this emission u	vices associated mit: C-9580	
Provide a description of the emissio CDB56 is dried and sized. Sources in chilsonator feed bins, granulators, sizi through a baghouse.	n unit (type, method of operation, de this emission group include a natural ng screen, surge tanks, bin inverters ar	esign parameters, etc. gas flash dryer, feeder nd scales. All equipme	.): , cage mill, ent is vented	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1997	Modification date(s):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 8500 p	ph		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applica	ble fields)			
Does this emission unit combust fue	l? Yes _X_ No	If yes, is it?	Direct Fired	
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Potential Emissions		
PPH	TPY	
3006	13166	
Poter	ntial Emissions	
PPH	TPY	
Poter	ntial Emissions	
PPH	TPY	
tential emissions (include d s of emission factors, etc.).	ates of any stack tests conducted,	
tor		
	Poter PPH 3006 Poter Poter PPH Poter PPH Poter PPH tential emissions (include d s of emission factors, etc.). tor	

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ssion unit name: ng Screen (type, method of operation, de mission group include a natural een, surge tanks, bin inverters an lel number: allation date:	List any control dev with this emission u esign parameters, etc. gas flash dryer, feeder, nd scales. All equipme Serial number:	rices associated nit: C-9580): , cage mill, ent is vented	
ssion unit name: ng Screen (type, method of operation, do mission group include a natural een, surge tanks, bin inverters an lel number: allation date:	List any control dev with this emission u esign parameters, etc. gas flash dryer, feeder, nd scales. All equipme Serial number:	rices associated nit: C-9580): , cage mill, ent is vented	
(type, method of operation, do mission group include a natural een, surge tanks, bin inverters an lel number:	esign parameters, etc. gas flash dryer, feeder, nd scales. All equipme Serial number:): , cage mill, ent is vented	
lel number: allation date:	Serial number:		
allation date:	Madification 1-4 (
/DD/1997	MM/DD/YYYY):	
ns/hr, tanks - gallons): 8500 p	ph		
amum Annual Throughput:	Maximum Operatin 8760 hrs/yr	ng Schedule:	
lds)			
_Yes _X_ No	If yes, is it?	Direct Fired	
Maximum design heat input and/or maximum horsepower rating:		ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.			
ring the term of the permit.	1		
Max. Sulfur Content	Max. Ash Content	BTU Value	
	allation date: /DD/1997 is/hr, tanks - gallons): 8500 p imum Annual Throughput: ds) _Yes _X_ No num horsepower rating: able, the secondary fuel type(s ge for each.	allation date: /DD/1997 Modification date(s MM/DD/YYYY us/hr, tanks - gallons): 8500 pph imum Annual Throughput: Maximum Operatin 8760 hrs/yr	

Potential Emissions H	5 TPY 13166
H	TPY
06	13166
)6	13166
06	13166
06	13166
06	13166
06	13166
Potential Emissions	;
н	TPY
Potential Emissions	
Н	TPY
ions (include dates of any sta factors, etc.).	ack tests conducted,
	PH

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: SC-915	Emission unit name: Sizing Screen	List any control dev with this emission u	vices associated mit: C-9580	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB56 is dried and sized. Sources in this emission group include a natural gas flash dryer, feeder, cage mill, chilsonator feed bins, granulators, sizing screen, surge tanks, bin inverters and scales. All equipment is vented through a baghouse.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1997	Modification date(s):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 6500 p	ph		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applical	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?	Direct Fired	
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of burner			ting of burners:	
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide	
Evel Type	ed during the term of the permit.	Max Ash Contant	PTU Valua	
гиет туре	wax. Sumu Content	Iviax. Asii Content	DIU value	

Potential Emissions H	5 TPY 13166
H	TPY
06	13166
)6	13166
06	13166
06	13166
06	13166
06	13166
Potential Emissions	;
н	TPY
Potential Emissions	
Н	TPY
ions (include dates of any sta factors, etc.).	ack tests conducted,
	PH

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission unit name: Sizing Screen	List any control dev with this emission u	vices associated mit: C-9580	
on unit (type, method of operation, d n this emission group include a natural ing screen, surge tanks, bin inverters a	esign parameters, etc. gas flash dryer, feeder nd scales. All equipme	.): , cage mill, ent is vented	
Model number:	Serial number:		
Installation date: MM/DD/1997	Modification date(s):	
es - tons/hr, tanks - gallons): 6500 p	ph		
Maximum Annual Throughput:	Maximum Operatin 8760 hr/yr	ng Schedule:	
ble fields)			
el?Yes _X No	If yes, is it?	Direct Fired	
• maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
applicable, the secondary fuel type(s lel usage for each.	S). For each fuel type	listed, provide	
sed during the term of the permit.			
Max. Sulfur Content	Max. Ash Content	BTU Value	
	CACHMENT E - Emission Unit Emission unit name: Sizing Screen Installation group include a natural ing screen, surge tanks, bin inverters a Model number: Installation date: MM/DD/1997 es - tons/hr, tanks - gallons): 6500 p Maximum Annual Throughput: ble fields) el? YesX No • maximum horsepower rating: applicable, the secondary fuel type(steel usage for each. seed during the term of the permit. Max. Sulfur Content	ACHMENT E - Emission Unit Form Emission unit name: Sizing Screen List any control dewith this emission unit type, method of operation, design parameters, etc. In unit (type, method of operation, design parameters, etc. numit (type, method of operation, design parameters, etc. In this emission group include a natural gas flash dryer, feeder ing screen, surge tanks, bin inverters and scales. All equipmed method parameters, etc. Model number: Serial number: Installation date: MM/DD/1997 Modification date(s) MM/DD/1997 MM/DD/YYYY es - tons/hr, tanks - gallons): 6500 pph Maximum Annual Throughput: Maximum Operatin 8760 hr/yr ble fields) If yes, is it? ::	

riteria Pollutants	Potential Emissions	
	РРН	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	3006	13166
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potenti	ial Emissions
	PPH	TPY
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the poversions of software used, source and date	otential emissions (include dat es of emission factors, etc.).	tes of any stack tests conducted,
ESTIS State of Local Agency Emission Fa	ctor	
EST15 State or Local Agency Emission Fa	ctor	

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: SC-917	Emission unit name: Sizing Screen	List any control dev with this emission u	vices associated mit: C-9580	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB56 is dried and sized. Sources in this emission group include a natural gas flash dryer, feeder, cage mill, chilsonator feed bins, granulators, sizing screen, surge tanks, bin inverters and scales. All equipment is vented through a baghouse.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1997	Modification date(s):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 8500 p	ph		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applical	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?	Direct Fired	
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of burne			ting of burners:	
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide	
Describe each fuel armosted to be us	ad during the town of the normit			
Fuel Type	Max Sulfur Content	Max Ash Content	BTU Value	

Potential Emissions H	5 TPY 13166
H	TPY
06	13166
)6	13166
06	13166
06	13166
06	13166
06	13166
Potential Emissions	;
н	TPY
Potential Emissions	
Н	TPY
ions (include dates of any sta factors, etc.).	ack tests conducted,
	PH

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.

No rule 13 exists for CDB 56. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: SC-918	Emission unit name: Sizing Screen	List any control dev with this emission u	vices associated mit: C-9580	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB56 is dried and sized. Sources in this emission group include a natural gas flash dryer, feeder, cage mill, chilsonator feed bins, granulators, sizing screen, surge tanks, bin inverters and scales. All equipment is vented through a baghouse.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1997	Modification date(s MM/DD/YYYY):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 8500 pph				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:	
Fuel Usage Data (fill out all applical	ble fields)	I		
Does this emission unit combust fue	!? Yes No	If yes, is it?		
Indirect Fired Direct		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 if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Natural gas				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Potential Emissions	
РРН	ТРҮ
3006	13166
Potential Emissions	
РРН	TPY
Potential Emissions	
РРН	TPY
otential emissions (include da es of emission factors, etc.).	ates of any stack tests conducted,
	PPH 3006 3006 Poten PPH PPH Poten PPH

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.

No rule 13 exists for CDB 56. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-915	Emission unit name: Surge Tank	List any control dev with this emission u	vices associated mit: C-9580	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB56 is dried and sized. Sources in this emission group include a natural gas flash dryer, feeder, cage mill, chilsonator feed bins, granulators, sizing screen, surge tanks, bin inverters and scales. All equipment is vented through a baghouse.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/2011	Modification date(s):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 61 ft ³ w	vorking cap		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applical	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?	Direct Fired	
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of burner			ting of burners:	
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide	
Evel Type	ed during the term of the permit.	Max Ash Contont	BTU Valua	
гиет туре		wax. Asii Content	DIU value	

arbon Monoxide (CO) Titrogen Oxides (NO _X) ead (Pb) articulate Matter (PM _{2.5})	РРН	TPY
Carbon Monoxide (CO) Nitrogen Oxides (NO _X) Lead (Pb) Particulate Matter (PM _{2.5})		
Nitrogen Oxides (NO _X) Lead (Pb) Particulate Matter (PM _{2.5})		
Lead (Pb) Particulate Matter (PM _{2.5})		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Fotal Particulate Matter (TSP)	3006	13166
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potentia	al Emissions
	PPH	ТРҮ
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	РРН	ТРҮ
List the method(s) used to calculate the versions of software used, source and d	potential emissions (include dat ates of emission factors, etc.).	es of any stack tests conducted,
ESTIS State of Local Agency Emission	Factor	
List the method(s) used to calculate the versions of software used, source and d EST15 State or Local Agency Emission	potential emissions (include dat ates of emission factors, etc.). Factor	es of any stack tests c

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.

No rule 13 permit exists for CBD 56. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-914	Emission unit name: Surge Tank	List any control dev with this emission u	vices associated mit: C-9580	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB56 is dried and sized. Sources in this emission group include a natural gas flash dryer, feeder, cage mill, chilsonator feed bins, granulators, sizing screen, surge tanks, bin inverters and scales. All equipment is vented through a baghouse.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/2011	Modification date(s):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 61 ft ³ w	vorking cap		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applical	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?	Direct Fired	
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of burner			ting of burners:	
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide	
Describe each fuel expected to be us	ed during the term of the permit.	May Ash Content	DTU Voluo	
гиет Туре	Max. Sunur Content	wax. Asn Content	DIU value	
arbon Monoxide (CO) Titrogen Oxides (NO _X) ead (Pb) articulate Matter (PM _{2.5})	РРН	TPY		
---	--	----------------------------------		
Carbon Monoxide (CO) Nitrogen Oxides (NO _X) Lead (Pb) Particulate Matter (PM _{2.5})				
Nitrogen Oxides (NO _X) Lead (Pb) Particulate Matter (PM _{2.5})				
Lead (Pb) Particulate Matter (PM _{2.5})				
Particulate Matter (PM _{2.5})				
Particulate Matter (PM ₁₀)				
Fotal Particulate Matter (TSP)	3006	13166		
Sulfur Dioxide (SO ₂)				
Volatile Organic Compounds (VOC)				
Hazardous Air Pollutants	Potentia	al Emissions		
	PPH	ТРҮ		
Regulated Pollutants other than	Potential Emissions			
Criteria and HAP	РРН	ТРҮ		
List the method(s) used to calculate the versions of software used, source and d	potential emissions (include dat ates of emission factors, etc.).	es of any stack tests conducted,		
ESTIS State of Local Agency Emission	Factor			
List the method(s) used to calculate the versions of software used, source and d EST15 State or Local Agency Emission	potential emissions (include dat ates of emission factors, etc.). Factor	es of any stack tests c		

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.

No rule 13 exists for CDB 56. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

		ATTACHMENT E - Emission Unit Form				
Emission unit name: Surge Tank	List any control dev with this emission u	vices associated nit: C-9580				
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB56 is dried and sized. Sources in this emission group include a natural gas flash dryer, feeder, cage mill, chilsonator feed bins, granulators, sizing screen, surge tanks, bin inverters and scales. All equipment is vented through a baghouse.						
Model number:	Serial number:					
Installation date: MM/DD/1995	Modification date(s MM/DD/YYYY):				
- tons/hr, tanks - gallons): 50 ft ³						
Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:				
le fields)						
?Yes _X_ No	If yes, is it?	Direct Fired				
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr rating of burners:				
pplicable, the secondary fuel type(s) l usage for each.). For each fuel type	listed, provide				
d during the term of the permit.	1					
Max. Sulfur Content	Max. Ash Content	BTU Value				
	Emission unit name: Surge Tank unit (type, method of operation, de his emission group include a natural g screen, surge tanks, bin inverters an Model number: Installation date: MM/DD/1995 - tons/hr, tanks - gallons): 50 ft ³ Maximum Annual Throughput: le fields) ?Yes _X_ No naximum horsepower rating: pplicable, the secondary fuel type(s l usage for each. d during the term of the permit. Max. Sulfur Content	Emission unit name: Surge Tank List any control devision unit (type, method of operation, design parameters, etc. his emission group include a natural gas flash dryer, feeder, g screen, surge tanks, bin inverters and scales. All equipmed model number: Model number: Serial number: Installation date: MM/DD/1995 Modification date(s) MM/DD/YYYY - tons/hr, tanks - gallons): 50 ft ³ Maximum Annual Throughput: Maximum Operatin 8760 hrs/yr le fields) . ?YesX No If yes, is it? Indirect Fired naximum horsepower rating: Type and Btu/hr ra pplicable, the secondary fuel type(s). For each fuel type I usage for each. d during the term of the permit. Max. Ash Content Max. Sulfur Content Max. Ash Content				

riteria Pollutants	Potential Emissions	
	РРН	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	3006	13166
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potentia	al Emissions
	PPH	TPY
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	PPH	ТРҮ
List the method(s) used to calculate the po versions of software used, source and date	tential emissions (include date s of emission factors, etc.).	es of any stack tests conducted,
ESTTS State of Local Agency Emission Par		
EST15 State or Local Agency Emission Fac	ctor	

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.

No rule 13 permit exists. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: Y-914	Emission unit name: Packaging Equipment	List any control dev with this emission u	vices associated nit: C-9580	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB56 is dried and sized. Sources in this emission group include a natural gas flash dryer, feeder, cage mill, chilsonator feed bins, granulators, sizing screen, surge tanks, bin inverters and scales. All equipment is vented through a baghouse.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1995	Modification date(s MM/DD/2012):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 18,400	lbs		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all application)	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?	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 if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide	
Evel Type	Max Sulfur Content	Max Ash Contant	PTU Valua	
гисттурс		Max. Asii Contelli		

PPH TPY	
3006 13166 Potential Emissions PPH TPY	
3006 13166 Potential Emissions PPH TPY	
3006 13166 Potential Emissions PPH TPY	
3006 13166 Potential Emissions PPH TPY	
3006 13166 Potential Emissions PPH TPY	
3006 13166 Potential Emissions PPH TPY	
Potential Emissions PPH TPY	
Potential Emissions PPH TPY	
Potential Emissions PPH TPY	
РРН ТРҮ	
Potential Emissions	
РРН ТРҮ	
otential emissions (include dates of any stack tests conducted, es of emission factors, etc.).	

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.

No rule 13 permit exists for CDB 56. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: Y-915	Emission unit name: Packaging Equipment	List any control dev with this emission u	vices associated mit: C-9580	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB56 is dried and sized. Sources in this emission group include a natural gas flash dryer, feeder, cage mill, chilsonator feed bins, granulators, sizing screen, surge tanks, bin inverters and scales. All equipment is vented through a baghouse.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1995	Modification date(s MM/DD/2012):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 18,400	lbs		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all application)	ble fields)	I		
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
Indirect Fired Maximum design heat input and/or maximum harsenesses ratings Turns and Ptu/tur acting		Direct Fired		
Maximum design near input and/or	maximum norsepower rating:	Type and blu/nr ra	ting of burners:	
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide	
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
		1		

Potential Emissions TPY TPY TIPY TIPY TIPY TIPY TIPY TIPY T
TPY TPY TO THE TEM STAR STAR STAR STAR STAR STAR STAR STAR
13166 Potential Emissions
Potential Emissions
Potential Emissions
Potential Emissions
TPY
Potential Emissions
ТРҮ
ide dates of any stack tests conducted, tc.).

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.

No rule 13 permit exists. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: Y-916	Emission unit name: Packaging Equipment	List any control dev with this emission u	vices associated nit: C-9580	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB56 is dried and sized. Sources in this emission group include a natural gas flash dryer, feeder, cage mill, chilsonator feed bins, granulators, sizing screen, surge tanks, bin inverters and scales. All equipment is vented through a baghouse.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1985 (before)	Modification date(s):	
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 45,537	lbs		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applical	ble fields)			
Does this emission unit combust fuel? Yes X_ No If yes, is it?				
Indirect Fired		Direct Fired		
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr rating of burners:		
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide	
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Potentia PPH	l Emissions TPY
РРН	ТРҮ
3006	13166
Potentia	1 Emissions
PPH	TPY
Potential Emissions	
РРН	TPY
al emissions (include date emission factors, etc.).	es of any stack tests conducted,
	3006 Potentia PPH Potentia PPH al emissions (include date emission factors, etc.).

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.

No rule 13 permit exists. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: Y-917	Emission unit name: Packaging Equipment	List any control dev with this emission u	vices associated mit: C-9580	
Provide a description of the emissio CDB56 is dried and sized. Sources in chilsonator feed bins, granulators, sizi through a baghouse.	n unit (type, method of operation, d this emission group include a natural ing screen, surge tanks, bin inverters a	esign parameters, etc. gas flash dryer, feeder nd scales. All equipme	.): , cage mill, ent is vented	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/2001	Modification date(s MM/DD/YYYY):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 8806 lb	28		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:	
Fuel Usage Data (fill out all applica	ble fields)			
Does this emission unit combust fue	l? Yes _X_ No	If yes, is it?	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 if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.	s). For each fuel type	listed, provide	
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

arbon Monoxide (CO) itrogen Oxides (NO _X) ead (Pb) articulate Matter (PM _{2.5}) articulate Matter (PM ₁₀) otal Particulate Matter (TSP) ulfur Dioxide (SO ₂) olatile Organic Compounds (VOC)	РРН 	TPY 13166
Carbon Monoxide (CO) Nitrogen Oxides (NO _X) Lead (Pb) Particulate Matter (PM _{2.5}) Particulate Matter (PM ₁₀) Cotal Particulate Matter (TSP) Gulfur Dioxide (SO ₂) Volatile Organic Compounds (VOC)	3006	13166
Nitrogen Oxides (NO _X) Lead (Pb) Particulate Matter (PM _{2.5}) Particulate Matter (PM ₁₀) Cotal Particulate Matter (TSP) Gulfur Dioxide (SO ₂) Volatile Organic Compounds (VOC)	3006	13166
Lead (Pb) Particulate Matter (PM _{2.5}) Particulate Matter (PM ₁₀) Cotal Particulate Matter (TSP) Gulfur Dioxide (SO ₂) Volatile Organic Compounds (VOC)	3006	13166
Particulate Matter (PM _{2.5}) Particulate Matter (PM ₁₀) Cotal Particulate Matter (TSP) Gulfur Dioxide (SO ₂) Volatile Organic Compounds (VOC)	3006	13166
Particulate Matter (PM10) Cotal Particulate Matter (TSP) Gulfur Dioxide (SO2) Volatile Organic Compounds (VOC)	3006	13166
Cotal Particulate Matter (TSP) Gulfur Dioxide (SO2) Volatile Organic Compounds (VOC)	3006	13166
Sulfur Dioxide (SO2) Volatile Organic Compounds (VOC)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential	l Emissions
	РРН	TPY
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the poter versions of software used, source and dates o	ntial emissions (include dates f emission factors, etc.).	s of any stack tests conducted,
List the method(s) used to calculate the poter versions of software used, source and dates o	ntial emissions (include dates f emission factors, etc.).	s of any stack to

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.

No rule 13 permit exists. Refer to R13-1698, R13-1724A.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-431	Emission unit name: Feed Tank	List any control dev with this emission u	vices associated mit: NA	
Provide a description of the emissio CDB-90 Process Feed tank.	on unit (type, method of operation, d	esign parameters, etc	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1962	Modification date(s):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 20,000 gallons				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
Fuel Usage Data (fill out all applica	ble fields)	1		
Does this emission unit combust fuel? Yes _X_ No		If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	sed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
		1		

Emissions Data		
Criteria Pollutants	Potenti	al Emissions
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than	Potenti	al Emissions
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the po versions of software used, source and date	otential emissions (include dat es of emission factors, etc.).	tes of any stack tests conducted,
No vent No Emissions		

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-432	Emission unit name: Feed Tank	List any control dev with this emission u	vices associated mit: NA	
Provide a description of the emissio CDB-90 Process Feed tank.	n unit (type, method of operation, d	esign parameters, etc	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1962	Modification date(s):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 20,000	gallons		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hr/yr		
<i>Fuel Usage Data</i> (fill out all applica	ble fields)	1		
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of burners:				
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Emissions Data		
Criteria Pollutants	Potenti	al Emissions
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than	Potenti	al Emissions
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the po versions of software used, source and date	otential emissions (include dat es of emission factors, etc.).	tes of any stack tests conducted,
No vent No Emissions		

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-433	Emission unit name: Feed Tank	List any control devices associated with this emission unit: NA		
Provide a description of the emissio CDB-90 Process Feed tank.	n unit (type, method of operation, d	esign parameters, etc	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1962	Modification date(s):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 20,000	gallons		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hr/yr		
<i>Fuel Usage Data</i> (fill out all applica	ble fields)	1		
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of burners:				
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Emissions Data		
Criteria Pollutants	Potenti	al Emissions
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than	Potenti	al Emissions
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the po versions of software used, source and date	otential emissions (include dat es of emission factors, etc.).	tes of any stack tests conducted,
No vent No Emissions		

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated init:D-336A		
D-370	Cinormator	Scrubber			
Provide a description of the emission This emission group includes feed tan receivers, a HCL tank, chlorine strippe sources exhaust through the chlorine s	n unit (type, method of operation, do k, chlorinator, chlorine vaporizer, NaC er, HOCl generator, chlorine unloading crubber, either directly, or indirectly.	esign parameters, etc. DCL generator, vacuun g and four waste treatn	a): n filter and nent tanks. All		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/2001	Modification date(s MM/DD/2010):		
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 4000 ga	allons			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:		
Fuel Usage Data (fill out all application)	ble fields)				
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be used during the term of the permit.					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Emissions Data		
Criteria Pollutants	Potent	tial Emissions
	РРН	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Chlorine	Refer to D-336A	
Regulated Pollutants other than	Potent	tial Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the versions of software used, source and d	e potential emissions (include da lates of emission factors, etc.).	ates of any stack tests conducted,
Refer to D-336A		

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.

R13-1698.A-1 Maximum production rate shall not exceed 7300 pounds per hour.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: N/A	Emission unit name: Chlorine Unloading (Chlorine	List any control dev with this emission u	ces associated it:D-336A	
	Railcar)	Scrubber		
Provide a description of the emissio This emission group includes feed tan receivers, a HCL tank, chlorine stripp sources exhaust through the chlorine s	n unit (type, method of operation, d k, chlorinator, chlorine vaporizer, Na(er, HOCl generator, chlorine unloadin crubber, either directly, or indirectly.	esign parameters, etc. DCL generator, vacuun g and four waste treatn	.): n filter and nent tanks. All	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/2001	Modification date(s):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 11,000	pph		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hrs/yr	ng Schedule:	
Fuel Usage Data (fill out all applica	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.	S). For each fuel type	listed, provide	
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Potential Emissions	
РРН	ТРҮ
Potenti	al Emissions
РРН	TPY
Potenti	al Emissions
РРН	TPY
potential emissions (include dat ates of emission factors, etc.).	es of any stack tests conducted,
	Potenti PPH Potenti Potenti PPH Potenti PPH

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission unit name:	List any control dev with this emission u	vices associated mit:D-336A	
	Scrubber		
on unit (type, method of operation, d ak, chlorinator, chlorine vaporizer, Nac er, HOCl generator, chlorine unloadin scrubber, either directly, or indirectly.	esign parameters, etc. DCL generator, vacuun g and four waste treatm): n filter and nent tanks. All	
Model number:	Serial number:		
Installation date: MM/DD/1983	Modification date(s):	
es - tons/hr, tanks - gallons): 8000 p	ph		
Maximum Annual Throughput:	Maximum Operatin 8760 hrs/yr	ng Schedule:	
ble fields)			
el?Yes _X_ No	If yes, is it?		
	Indirect Fired	Direct Fired	
maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
applicable, the secondary fuel type(s lel usage for each.	s). For each fuel type	listed, provide	
sed during the term of the permit.	1		
Max. Sulfur Content	Max. Ash Content	BTU Value	
	Emission unit name: Vaporizer m unit (type, method of operation, d k, chlorinator, chlorine vaporizer, NaGer, HOCl generator, chlorine unloadin scrubber, either directly, or indirectly. Model number: Installation date: MM/DD/1983 es - tons/hr, tanks - gallons): 8000 p Maximum Annual Throughput: ble fields) ?!?Yes _X_ No * maximum horsepower rating: applicable, the secondary fuel type(sel usage for each. sed during the term of the permit. Max. Sulfur Content	ACTIVIENT E - Emission Chit Form Emission unit name: List any control devisit this emission user with this emission user with this emission user and the emission of the emis emission of the emis emission of the emission of the emission of	

Emissions Data		
Criteria Pollutants	Potent	tial Emissions
	РРН	ТРҮ
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potent	tial Emissions
	PPH	TPY
Chlorine	Refer to D-336A	
Regulated Pollutants other than	Potent	tial Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the versions of software used, source and c	e potential emissions (include da lates of emission factors, etc.).	tes of any stack tests conducted,
Refer to D-336A		

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.

R13-1698.A.1 Maximum production rate shall not exceed 7300 pounds per hour.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number:	Emission unit name:	List any control dev with this emission u	vices associated mit:D-336A		
D-5150A		Scrubber			
Provide a description of the emission This emission group includes feed tan receivers, a HCL tank, chlorine strippe sources exhaust through the chlorine s	n unit (type, method of operation, de k, chlorinator, chlorine vaporizer, NaC er, HOCl generator, chlorine unloading crubber, either directly, or indirectly.	esign parameters, etc. DCL generator, vacuun g and four waste treatn	.): n filter and nent tanks. All		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1998	Modification date(s MM/DD/YYYY):		
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 4' x 25'	10" scrubber			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hr/yr	ng Schedule:		
Fuel Usage Data (fill out all applical	ble fields)	I			
Does this emission unit combust fuel	?Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be used during the term of the permit.					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		
Criteria Pollutants	Potentia	l Emissions			
---	----------	-------------			
	РРН	ТРҮ			
Carbon Monoxide (CO)					
Nitrogen Oxides (NO _X)					
Lead (Pb)					
Particulate Matter (PM _{2.5})					
Particulate Matter (PM ₁₀)					
Total Particulate Matter (TSP)					
Sulfur Dioxide (SO ₂)					
Volatile Organic Compounds (VOC)					
Hazardous Air Pollutants	Potentia	l Emissions			
	РРН	TPY			
Chlorine	2011	8808			
Regulated Pollutants other than	Potentia	l Emissions			
Criteria and HAP	РРН	TPY			
Chloramines	18.8	82.3			

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.

R13-1698, A.1 Maximum production rate shall not exceed 7300 pounds per hour.

Permit Shield

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

45CSR30-5.1.c. The permittee shall maintain daily records of CDB-90 production.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: T-3136	Emission unit name: NaOCI Storage Tank	List any control dev with this emission u	vices associated mit:D-336A		
		Scrubber			
Provide a description of the emission unit (type, method of operation, design parameters, etc.): This emission group includes feed tank, chlorinator, chlorine vaporizer, NaOCL generator, vacuum filter and receivers, a HCL tank, chlorine stripper, HOCl generator, chlorine unloading and four waste treatment tanks. All sources exhaust through the chlorine scrubber, either directly, or indirectly.					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/2008	Modification date(s MM/DD/YYYY):		
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 3000 ga	allons			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hr/yr			
Fuel Usage Data (fill out all applical	ble fields)	I			
Does this emission unit combust fuel	?Yes _X_ No	If yes, is it?			
I		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

TPY
•
TPY
TPY
als tasts conducted
ick tests conducted,

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form						
Emission Unit Description						
Emission unit ID number: I-700	Emission unit name: Filter	List any control devices associa with this emission unit:D-336A				
		Scrubber				
Provide a description of the emission This emission group includes feed tan receivers, a HCL tank, chlorine strippe sources exhaust through the chlorine s	Provide a description of the emission unit (type, method of operation, design parameters, etc.): This emission group includes feed tank, chlorinator, chlorine vaporizer, NaOCL generator, vacuum filter and receivers, a HCL tank, chlorine stripper, HOCl generator, chlorine unloading and four waste treatment tanks. All sources exhaust through the chlorine scrubber, either directly, or indirectly.					
Manufacturer:	Model number:	Serial number:				
Construction date: MM/DD/YYYY	Installation date: MM/DD/1995	Modification date(s MM/DD/YYYY):			
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 133 ft ³	filter surface				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hr/yr				
Fuel Usage Data (fill out all application)	ble fields)					
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?				
Indirect FiredD		Direct Fired				
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:			
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide			
Describe each fuel expected to be us	ed during the term of the permit.					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value			

Criteria Pollutants	Potential Emissions	
	PPH	ТРҮ
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	ТРҮ
Chlorine	91.6	401.2
Regulated Pollutants other than	Potential	l Emissions
Criteria and HAP	РРН	ТРҮ
Chloramines	11.5	50.4
List the method(s) used to calculate the poten	ntial emissions (include date	s of any stack tests conducted,
versions of software used, source and dates of	of emission factors, etc.).	
Engineering estimate		

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.

R13-1698 A.1. Maximum production rate shall not exceed 7,300 pounds per hour.

Permit Shield

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

45CSR30-5.1.c. The permittee shall maintain daily records of CDB-90 production.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: T-700A	Emission unit name: Filter Receiver	List any control devices associa with this emission unit: D-336A			
		Scrubber			
Provide a description of the emission unit (type, method of operation, design parameters, etc.): This emission group includes feed tank, chlorinator, chlorine vaporizer, NaOCL generator, vacuum filter and receivers, a HCL tank, chlorine stripper, HOCl generator, chlorine unloading and four waste treatment tanks. All sources exhaust through the chlorine scrubber, either directly, or indirectly.					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1995	Modification date(s MM/DD/YYYY):		
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 300 gal	lons			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:		
Fuel Usage Data (fill out all applical	ble fields)				
Does this emission unit combust fuel	?Yes _X_ No	If yes, is it?			
Indirect Fired		Direct Fired			
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be used during the term of the permit.					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Lmissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Po	otential Emissions	
	PPH	TPY	
Refer to D-336A			
Regulated Pollutants other than	Potential Emissions		
Criteria and HAP	PPH	TPY	
List the method(s) used to calculate the poversions of software used, source and date	otential emissions (includ es of emission factors, etc	e dates of any stack tests conducted,	
Refer to D-336A			

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

nission unit name: Iter Receiver it (type, method of operation, de ilorinator, chlorine vaporizer, NaO IOC1 generator, chlorine unloading ober, either directly, or indirectly.	List any control dev with this emission u Scrubber sign parameters, etc.	rices associated nit: D-336A		
nission unit name: Iter Receiver it (type, method of operation, de ilorinator, chlorine vaporizer, NaO IOCl generator, chlorine unloading uber, either directly, or indirectly.	List any control dev with this emission u Scrubber sign parameters, etc.	vices associated nit: D-336A		
it (type, method of operation, de lorinator, chlorine vaporizer, NaO IOCl generator, chlorine unloading ber, either directly, or indirectly.	Scrubber sign parameters, etc.			
it (type, method of operation, de lorinator, chlorine vaporizer, NaO OCl generator, chlorine unloading ber, either directly, or indirectly.	sign parameters, etc.			
	and four waste treatm): n filter and nent tanks. All		
odel number:	Serial number:			
stallation date: M/DD/1995	Modification date(s): MM/DD/YYYY			
ons/hr, tanks - gallons): 300 gall	ons			
aximum Annual Throughput:	Maximum Operatin 8760 hr/yr	ng Schedule:		
ields)				
Yes _X_ No	If yes, is it?			
		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 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.				
Max. Sulfur Content	Max. Ash Content	BTU Value		
	Cl generator, chlorine unloading DCl generator, chlorine unloading per, either directly, or indirectly. del number: tallation date: A/DD/1995 ms/hr, tanks - gallons): 300 gall uximum Annual Throughput: elds)Yes _X_ No imum horsepower rating: cable, the secondary fuel type(s) age for each. uring the term of the permit. Max. Sulfur Content	ctopp, inclusion of operation, acog, parameters, interact, or orinator, chlorine vaporizer, NaOCL generator, vacuum DCl generator, chlorine unloading and four waste treatm ver, either directly, or indirectly. del number: Serial number: del number: Serial number: tallation date: Modification date(s M/DD/1995 MM/DD/YYYY ms/hr, tanks - gallons): 300 gallons tximum Annual Throughput: Maximum Operatin 8760 hr/yr elds)		

Lmissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Po	otential Emissions	
	PPH	TPY	
Refer to D-336A			
Regulated Pollutants other than	Potential Emissions		
Criteria and HAP	PPH	TPY	
List the method(s) used to calculate the poversions of software used, source and date	otential emissions (includ es of emission factors, etc	e dates of any stack tests conducted,	
Refer to D-336A			

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form						
Emission Unit Description						
Emission unit ID number: T-7825	Emission unit name: Acid Storage Tank	List any control dev with this emission u	vices associated mit:D-336A			
		Scrubber				
Provide a description of the emission This emission group includes feed tan receivers, a HCL tank, chlorine strippe sources exhaust through the chlorine s	Provide a description of the emission unit (type, method of operation, design parameters, etc.): This emission group includes feed tank, chlorinator, chlorine vaporizer, NaOCL generator, vacuum filter and receivers, a HCL tank, chlorine stripper, HOCl generator, chlorine unloading and four waste treatment tanks. All sources exhaust through the chlorine scrubber, either directly, or indirectly.					
Manufacturer:	Manufacturer: Model number: Serial number:					
Construction date: MM/DD/YYYY	Installation date: MM/DD/2005	Modification date(s): MM/DD/YYYY				
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 20,000	gallons				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hr/yr				
<i>Fuel Usage Data</i> (fill out all applical	ble fields)					
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?				
Indirect Fired		Direct Fired				
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:			
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value			
, , , , , , , , , , , , , , , , , , ,						

Emissions Data			
Criteria Pollutants	Potential Emissions		
	РРН	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potentia	l Emissions	
	PPH	TPY	
HCl	0.062	0.27	
Regulated Pollutants other than	Potential Emissions		
Criteria and HAP	PPH	TPY	
List the method(s) used to calculate th versions of software used, source and	ne potential emissions (include date dates of emission factors, etc.).	es of any stack tests conducted,	

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.

R13-1698 A.1. Maximum production rate shall not exceed 7,300 pounds per hour.

Permit Shield

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

45CSR30-5.1.c. The permittee shall maintain daily records of CDB-90 production.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form						
Emission Unit Description						
Emission unit ID number: D-7827	Emission unit name: Stripper	List any control devices associated with this emission unit:D-336A Scrubber				
Provide a description of the emission This emission group includes feed tan receivers, a HCL tank, chlorine strippe sources exhaust through the chlorine s	Provide a description of the emission unit (type, method of operation, design parameters, etc.): This emission group includes feed tank, chlorinator, chlorine vaporizer, NaOCL generator, vacuum filter and receivers, a HCL tank, chlorine stripper, HOCl generator, chlorine unloading and four waste treatment tanks. All sources exhaust through the chlorine scrubber, either directly, or indirectly.					
Manufacturer:	Model number:	Serial number:				
Construction date: MM/DD/YYYY	Installation date: MM/DD/1998	Modification date(s MM/DD/2010):			
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 3'6" x 3	9'6"				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hr/yr				
<i>Fuel Usage Data</i> (fill out all applical	ble fields)					
Does this emission unit combust fue	?Yes _X_ No	If yes, is it? Indirect Fired	Direct Fired			
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:			
List the primary fuel type(s) and if a the maximum hourly and annual fue	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide			
Describe each fuel expected to be us	ed during the term of the permit.					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value			

Emissions Data		
Criteria Pollutants	Potential	Emissions
	РРН	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential	Emissions
	PPH	TPY
Chlorine	Refer to D-336A	
Regulated Pollutants other than	Potential	Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the versions of software used, source and de	potential emissions (include dates ates of emission factors, etc.).	of any stack tests conducted,
Refer to D-336A		

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.

R13-1698.A.1 Maximum production rate shall not exceed 7300 lbs/hr.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number:	Emission unit name:	mission unit name: List any control dev with this emission u	vices associated mit:D-336A		
1 507		Scrubber			
Provide a description of the emission This emission group includes feed tank receivers, a HCL tank, chlorine strippe sources exhaust through the chlorine s	n unit (type, method of operation, de k, chlorinator, chlorine vaporizer, NaC er, HOCl generator, chlorine unloading crubber, either directly, or indirectly.	esign parameters, etc. OCL generator, vacuun g and four waste treatn	.): n filter and nent tanks. All		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1995	Modification date(s MM/DD/YYYY):		
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 30 gallo	ons			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:		
<i>Fuel Usage Data</i> (fill out all applicat	ble fields)				
Does this emission unit combust fuel	?Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Lmissions Data		
Criteria Pollutants	Po	otential Emissions
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Po	otential Emissions
	PPH	TPY
Refer to D-336A		
Regulated Pollutants other than	Po	otential Emissions
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the poversions of software used, source and date	otential emissions (includ es of emission factors, etc	e dates of any stack tests conducted,
Refer to D-336A		

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: T-7811	Emission unit name: Low pH Waste Treatment Feed	List any control dev with this emission u	vices associated mit:D-336A		
	Tank	20100001			
Provide a description of the emission This emission group includes feed tan receivers, a HCL tank, chlorine strippe sources exhaust through the chlorine s	n unit (type, method of operation, do k, chlorinator, chlorine vaporizer, Nac er, HOCl generator, chlorine unloadin crubber, either directly, or indirectly.	esign parameters, etc DCL generator, vacuun g and four waste treatn	.): n filter and nent tanks. All		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1999	Modification date(s MM/DD/YYYY):		
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 20,000 g	gallons			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:		
Fuel Usage Data (fill out all application)	ble fields)	1			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Criteria Pollutants	Pot	tential Emissions
	РРН	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Pot	tential Emissions
	PPH	TPY
Refer to D-336A		
Regulated Pollutants other than	Pot	tential Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the po	otential emissions (include	dates of any stack tests conducted.
versions of software used, source and date	es of emission factors, etc.)).
Refer to D-336A		

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: T-7812	Emission unit name:List any contHigh pH Waste Treatment Feedwith this emin	List any control dev with this emission u	vices associated mit:D-336A		
	Tank	Scrubber			
Provide a description of the emission This emission group includes feed tan receivers, a HCL tank, chlorine strippe sources exhaust through the chlorine s	n unit (type, method of operation, de k, chlorinator, chlorine vaporizer, NaC er, HOCl generator, chlorine unloading crubber, either directly, or indirectly.	esign parameters, etc. DCL generator, vacuun g and four waste treatn	.): n filter and nent tanks. All		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1999	Modification date(s MM/DD/YYYY):		
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 20,000 g	gallons			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:		
Fuel Usage Data (fill out all applical	ble fields)	•			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

riteria Pollutants	Potenti	al Emissions
	РРН	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _x)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potentia	al Emissions
	РРН	TPY
Refer to D-336A		
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the po versions of software used, source and date	tential emissions (include dat s of emission factors, etc.).	es of any stack tests conducted,
Refer to D-336A		

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: T-769	Emission unit name: CDB Scrap Recovery	List any control devices associate with this emission unit:D-336A Scrubber			
Provide a description of the emission This emission group includes feed tank receivers, a HCL tank, chlorine strippe sources exhaust through the chlorine s	n unit (type, method of operation, de k, chlorinator, chlorine vaporizer, NaC er, HOCl generator, chlorine unloading crubber, either directly, or indirectly.	esign parameters, etc CL generator, vacuun g and four waste treatn	.): n filter and nent tanks. All		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/2004	Modification date(s MM/DD/YYYY):		
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 4500 ga	llons			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:		
<i>Fuel Usage Data</i> (fill out all applicat	ble fields)				
Does this emission unit combust fuel	?Yes _X_ No	If yes, is it? Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be used during the term of the permit.					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Emissions Data		
Criteria Pollutants	Potentia	al Emissions
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)	8.2	35.9
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potentia	al Emissions
	PPH	TPY
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the po versions of software used, source and date	otential emissions (include date as of emission factors, etc.).	es of any stack tests conducted,
Engineering estimate		

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.

R13-1698 A.1. Maximum production rate shall not exceed 7,300 pounds per hour.

Permit Shield

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

45CSR30-5.1.c. The permittee shall maintain daily records of CDB-90 production.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: T-700C	Emission unit name: Vacuum Pump Exhaust Separator	List any control devices associat with this emission unit:D-336A Scrubber			
Provide a description of the emission This emission group includes feed tan receivers, a HCL tank, chlorine strippe sources exhaust through the chlorine s	n unit (type, method of operation, de k, chlorinator, chlorine vaporizer, NaC er, HOCl generator, chlorine unloading crubber, either directly, or indirectly.	esign parameters, etc. DCL generator, vacuun g and four waste treatn	.): n filter and nent tanks. All		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/2012	Modification date(s):		
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 300 gall	lons			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatio	ng Schedule:		
<i>Fuel Usage Data</i> (fill out all applical	ble fields)				
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be us	ed during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BIU Value		

Emissions Data		
Criteria Pollutants	Potenti	al Emissions
	РРН	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potenti	al Emissions
	РРН	TPY
Regulated Pollutants other than	Potenti	al Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the versions of software used, source and da	potential emissions (include dat ites of emission factors, etc.).	es of any stack tests conducted,

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: T-704	Emission unit name: Centrifuge Filtrate Tank	List any control devices associate with this emission unit:D-336A Scrubber			
Provide a description of the emission This emission group includes feed tan receivers, a HCL tank, chlorine strippe sources exhaust through the chlorine s	n unit (type, method of operation, de k, chlorinator, chlorine vaporizer, NaC er, HOCl generator, chlorine unloading crubber, either directly, or indirectly.	esign parameters, etc. DCL generator, vacuun g and four waste treatn	.): n filter and nent tanks. All		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1998	Modification date(s MM/DD/YYYY):		
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 2300 ga	llons			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatio	ıg Schedule:		
<i>Fuel Usage Data</i> (fill out all applical	l ble fields)				
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be us	ed during the term of the permit.				
Fuel Type	Max. Sultur Content	Max. Ash Content	BIU Value		
emissions Daia					
--	--	---------------------------------	--		
Criteria Pollutants	Potential Emissions				
	РРН	TPY			
Carbon Monoxide (CO)					
Nitrogen Oxides (NO _X)					
Lead (Pb)					
Particulate Matter (PM _{2.5})					
Particulate Matter (PM ₁₀)					
Total Particulate Matter (TSP)					
Sulfur Dioxide (SO ₂)					
Volatile Organic Compounds (VOC)					
Hazardous Air Pollutants	Potential	Emissions			
	РРН	TPY			
Regulated Pollutants other than	Potential	Emissions			
Criteria and HAP	РРН	TPY			
Chloramines	10.4	45.6			
List the method(s) used to calculate the versions of software used, source and da	potential emissions (include dates ates of emission factors, etc.).	s of any stack tests conducted,			

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number: T-7826	Emission unit name: Acidifier	List any control dev with this emission u	vices associated mit:D-336A
		Scrubber	
Provide a description of the emissio This emission group includes feed tan receivers, a HCL tank, chlorine strippe sources exhaust through the chlorine s	n unit (type, method of operation, do k, chlorinator, chlorine vaporizer, NaC er, HOCl generator, chlorine unloading crubber, either directly, or indirectly.	esign parameters, etc DCL generator, vacuun g and four waste treatn	.): n filter and nent tanks. All
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/2007	Modification date(s MM/DD/YYYY):
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 7500 ga	llons	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatio	ng Schedule:
Fuel Usage Data (fill out all applica	ble fields)		
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/nr ra	ting of burners:
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be us	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data			
Criteria Pollutants	Potential Emissions		
	РРН	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potenti	al Emissions	
	РРН	TPY	
Regulated Pollutants other than	Potenti	al Emissions	
Criteria and HAP	РРН	TPY	
List the method(s) used to calculate the versions of software used, source and da	potential emissions (include dat ites of emission factors, etc.).	es of any stack tests conducted,	

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

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

Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number:	Emission unit name:	List any control devices associa with this emission unit:C-8060.	
H-803	Heater	C-8070	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB90 is dried and sized. Sources in this group include a natural gas heater, fluid be dryer, cage mill, chilsonator bins, chilsonator, granulators, sizing screen, surge tanks, and drumming/bagging equipment. All equipment is vented through a baghouse. CDB90 is heated by H-803 after it is conveyed to the cage mill. After, compaction, granulation and screening, the CDB90 goes through a fluid bed dryer and is drummed and bagged. Exhaust from the fluid bed dryer is vented along with the hot air from the heater through the cage mill to the fluid dryer baghouses (C-8060 or C-8070).			
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1995	Modification date(s MM/DD/2010):
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 4.5 MM	1Btu/hr	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hr/yr	ng Schedule:
Fuel Usage Data (fill out all applical	ble fields)		
Does this emission unit combust fue	Does this emission unit combust fuel? _X_Yes No If yes, is it?		
Indirect FiredX_Direct Fi		_X_Direct Fired	
Maximum design heat input and/or maximum horsepower rating:Type and Btu/hr rating of burners4.5 MMBtu/hr			ting of burners:
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Natural gas			
Describe each fuel expected to be us	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas			22172

Criteria Pollutants	Potential	Emissions
	РРН	TPY
Carbon Monoxide (CO)	0.371	1.62
Nitrogen Oxides (NO _X)	0.441	1.93
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	0.033	0.144
Sulfur Dioxide (SO ₂)	0.0026	0.0114
Volatile Organic Compounds (VOC)	0.026	0.114
Hazardous Air Pollutants	Potential Emissions	
	РРН	TPY
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	РРН	TPY

AP-42 Emissions Factors

Applicable De	
Аррисавие Ке	<i>equirements</i>
List all applic underlying ru <i>permit conditi</i> calculated ba this informat	cable requirements for this emission unit. For each applicable requirement, include the ile/regulation citation and/or <u>construction permit</u> with the condition number. (<i>Note: Title V</i> <i>ion numbers alone are not the underlying applicable requirements</i>). If an emission limit is used on the type of source and design capacity or if a standard is based on a design parameter, ion should also be included.
R13-1698.A.4	Maximum emissions to the atmosphere from emission point F-1001 shall not exceed the following: Particulate matter 0.86 lb/hr, Sulfur Dioxide 0.002 lb/hr, Carbon Monoxide 0.124 lb/hr, Nitrogen Oxides 0.496 lb/hr, Volatile Organic Compounds 0.01 lb/hr
Permit	Shield
For all applic be used to der or citation. (2 compliance.	Shield cable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall monstrate compliance. If the method is based on a permit or rule, include the condition number Note: Each requirement listed above must have an associated method of demonstrating If there is not already a required method in place, then a method must be proposed.)
For all applic be used to der or citation. (compliance.	Shield cable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall monstrate compliance. If the method is based on a permit or rule, include the condition number Note: Each requirement listed above must have an associated method of demonstrating If there is not already a required method in place, then a method must be proposed.)
Permit For all applic be used to de or citation. () compliance.	Shield able requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall monstrate compliance. If the method is based on a permit or rule, include the condition number Note: Each requirement listed above must have an associated method of demonstrating If there is not already a required method in place, then a method must be proposed.)
<u>For all applic</u> be used to de or citation. (compliance.	Shield cable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall monstrate compliance. If the method is based on a permit or rule, include the condition number Note: Each requirement listed above must have an associated method of demonstrating If there is not already a required method in place, then a method must be proposed.)
Permit For all applic be used to de or citation. (compliance.	Shield :able requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall monstrate compliance. If the method is based on a permit or rule, include the condition number Note: Each requirement listed above must have an associated method of demonstrating If there is not already a required method in place, then a method must be proposed.)
Permit For all applic be used to de or citation. (compliance.	Shield cable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall monstrate compliance. If the method is based on a permit or rule, include the condition number Note: Each requirement listed above must have an associated method of demonstrating If there is not already a required method in place, then a method must be proposed.) mpliance with all applicable requirements for this emission unit? _X_YesNo

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control de	vices associated	
C-803	Mill	C-8070	unt: C-8000,	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB90 is dried and sized. Sources in this group include a natural gas heater, fluid be dryer, cage mill, chilsonator bins, chilsonator, granulators, sizing screen, surge tanks, and drumming/bagging equipment. All equipment is vented through a baghouse. CDB90 is heated by H-803 after it is conveyed to the cage mill. After, compaction, granulation and screening, the CDB90 goes through a fluid bed dryer and is drummed and bagged. Exhaust from the fluid bed dryer is vented along with the hot air from the heater through the cage mill to the fluid dryer baghouses (C-8060 or C-8070).				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/2003	Modification date (s MM/DD/YYYY):	
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 7500 pp	bh		
Maximum Hourly Throughput: 3.9 TPY	Maximum Annual Throughput: 28150 TPY	Maximum Operation 8760 hr/yr	ng Schedule:	
Fuel Usage Data (fill out all applical	ble fields)	·		
Does this emission unit combust fuel	?Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	ТРҮ	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)	1.72	7.5	
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potent	ial Emissions	
	РРН	TPY	
Regulated Pollutants other than	Potent	ial Emissions	
Criteria and HAP	РРН	TPY	
List the method(s) used to calculate the po versions of software used, source and date	tential emissions (include da s of emission factors, etc.).	tes of any stack tests conducted,	
Engineering Estimate			

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control dev	vices associated	
C-802	Filter Discharge Screw	C-8070	int: C-8000,	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CDB90 is dried and sized. Sources in this group include a natural gas heater, fluid be dryer, cage mill, chilsonator bins, chilsonator, granulators, sizing screen, surge tanks, and drumming/bagging equipment. All equipment is vented through a baghouse. CDB90 is heated by H-803 after it is conveyed to the cage mill. After, compaction, granulation and screening, the CDB90 goes through a fluid bed dryer and is drummed and bagged. Exhaust from the fluid bed dryer is vented along with the hot air from the heater through the cage mill to the fluid dryer baghouses (C-8060 or C-8070)				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/2001	Modification date(s MM/DD/YYYY):	
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 7500 p	bh		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hr/yr	ıg Schedule:	
Fuel Usage Data (fill out all applical	ble fields)	I		
Does this emission unit combust fue	?Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Emissions Data			
Criteria Pollutants	Potential Emissions		
	РРН	ТРҮ	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Poter	ntial Emissions	
	РРН	ТРҮ	
Regulated Pollutants other than	Potential Emissions		
Criteria and HAP	РРН	ТРҮ	
versions of software used, source and dat	tes of emission factors, etc.).	ares of any stack tests conducted,	

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control dev	vices associated	
H-904	Heater	with this emission u	mit: C-9040	
		• • •	、	
CDB90 is dried and sized. Sources in bins, chilsonator, granulators, sizing s vented through a baghouse.	this group include a natural gas heater creen, surge tanks, and drumming/bag	esign parameters, etc. , fluid be dryer, cage n ging equipment. All ec	.): nill, chilsonator quipment is	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1964	Modification date(s MM/DD/YYYY):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 720,000	0 Btu/hr		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hr/yr		
Fuel Usage Data (fill out all applica	ble fields)			
Does this emission unit combust fue	l? _X_Yes No	If yes, is it?		
		Indirect Fired	_X_Direct Fired	
Maximum design heat input and/or maximum horsepower rating: 720,000 Btu/hr		Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Pot	antial Environment	
Potential Emissions		
PPH	ТРҮ	
Pot	tential Emissions	
PPH	TPY	
Potential Emissions		
PPH	TPY	
tential emissions (include s of emission factors, etc.)	dates of any stack tests conducted,).	
	PPH	

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-801	Emission unit name: Chilsonator Feed Bins	List any control dev with this emission u	vices associated mit:C-9040	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Chilsonator Feed Bin T-801A, Chilsonator C-975, Granulator CU-971 and Granulator CY-975 exhaust through baghouse C-9040.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/2005	Modification date(s):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 50 ft ³				
Maximum Hourly Throughput:	Maximum Annual Throughput: 75400 TPY	Maximum Operation 8760 hr/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applica	ble fields)			
Does this emission unit combust fue	l?Yes No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be used during the term of the permit				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Potential E PPH	Emissions TPY 9413
PPH	9413
149 Potential H	9413
Potential H	9413
Potential H	9413
Potential E	
Potential F	
Potential H	
	Emissions
РН	TPY
Potential Emissions	
РН	TPY
	Potential H PPH

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: C-975	Emission unit name: Chilsonator	List any control dev with this emission u	vices associated mit:C-9040	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Chilsonator Feed Bin T-801, Chilsonator C-975, Granulator CU-971 and Granulator CU-975 exhaust through baghouse C-9040.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/2000	Modification date(s):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 12,000 pph				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applical	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Criteria Pollutants PPH Carbon Monoxide (CO) Nitrogen Oxides (NO _X) Lead (Pb) Particulate Matter (PM _{2.5}) Particulate Matter (PM ₁₀) Total Particulate Matter (TSP) 2149 Sulfar Disside (SO)	Potential Emissions TPY
PPH Carbon Monoxide (CO) Nitrogen Oxides (NO _X) Lead (Pb) Particulate Matter (PM _{2.5}) Particulate Matter (PM ₁₀) Total Particulate Matter (TSP) Sulfage Discride (SO)	ТРҮ
Carbon Monoxide (CO) Nitrogen Oxides (NO _X) Lead (Pb) Particulate Matter (PM _{2.5}) Particulate Matter (PM ₁₀) Total Particulate Matter (TSP) 2149	
Nitrogen Oxides (NO _X) Lead (Pb) Particulate Matter (PM _{2.5}) Particulate Matter (PM ₁₀) Total Particulate Matter (TSP) 2149	
Lead (Pb) Particulate Matter (PM _{2.5}) Particulate Matter (PM ₁₀) Total Particulate Matter (TSP) 2149	
Particulate Matter (PM _{2.5}) Particulate Matter (PM ₁₀) Total Particulate Matter (TSP) Sulfue Dissride (SQ)	
Particulate Matter (PM ₁₀) Total Particulate Matter (TSP) 2149	
Total Particulate Matter (TSP) 2149 Sulfue Dissride (SQ.)	
Sulfur Disside (SQ)	9413
Sumur Dioxide (SO_2)	
Volatile Organic Compounds (VOC)	
Hazardous Air Pollutants	Potential Emissions
РРН	ТРҮ
Regulated Pollutants other than	Potential Emissions
Criteria and HAP PPH	ТРҮ
List the method(s) used to calculate the potential emissior versions of software used, source and dates of emission fa	ns (include dates of any stack tests conduct actors, etc.).
EST15 State or Local Agency Emission Factor	
Emissions based on limit in permit #R13-1698	

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: CU-971	Emission unit name: Granulator	List any control dev with this emission u	vices associated mit:C-9040	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Chilsonator Feed Bin T-801A, Chilsonator C-975, Granulator CU-971 and Granulator CY-975 exhaust through baghouse C-9040.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1972	Modification date(s):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 12,600 pph				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applical	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be used during the term of the permit				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Criteria Pollutants	Potential Emissions	
	РРН	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	0.2	0.9
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potentia	l Emissions
	РРН	TPY
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	РРН	TPY
List the method(s) used to calculate th versions of software used, source and	e potential emissions (include date dates of emission factors, etc.).	s of any stack tests conducted,

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.

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: CU-975	Emission unit name: Granulator	List any control dev with this emission u	vices associated mit:C-9040	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Chilsonator Feed Bin T-801A, Chilsonator C-975, Granulator CU-971 and Granulator CY-975 exhaust through baghouse C-9040.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1995	Modification date(s):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 3000 pph				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applical	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Emissions Data			
Criteria Pollutants	Potential Emissions		
	РРН	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)	0.2	0.9	
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potent	tial Emissions	
	PPH	TPY	
Regulated Pollutants other than	Potent	tial Emissions	
Criteria and HAP	РРН	TPY	
List the method(s) used to calculate the po versions of software used, source and dates	tential emissions (include da s of emission factors, etc.).	ates of any stack tests conducted,	
Engineering Estimate			

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

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: SC-909A	Emission unit name: Sizing Screen	List any control dev with this emission u	vices associated mit:C-9780	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): This emissions group includes sizing screen SC-909A, sizing screen SC-909B, surge tank T-987 and two drumming bagging facilities.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1995	Modification date(s):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 72" diameter				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatio 8760 hr/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all application)	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	ed during the term of the permit.		DTUV	
ruei Type	wax. Sunur Content	wax. Asn Content	DIU value	

Emissions Data			
Criteria Pollutants	Potential Emissions		
	РРН	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)	0.1	0.4	
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potentia	l Emissions	
	РРН	TPY	
Regulated Pollutants other than	Potentia	l Emissions	
Criteria and HAP	РРН	TPY	
List the method(s) used to calculate the po versions of software used, source and date	tential emissions (include date s of emission factors, etc.).	es of any stack tests conducted,	
Engineering Estimate			

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Applicable Requirements
List an 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</i> <i>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.
Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)
Are you in compliance with all applicable requirements for this emission unit? _X_YesNo
If no, complete the Schedule of Compliance Form as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: SC-909B	Emission unit name: Sizing Screen	List any control dev with this emission u	vices associated mit:C-9780	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): This emissions group includes sizing screen SC-909A, sizing screen SC-909B, surge tank T-987 and two drumming bagging facilities.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1995	Modification date(s):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 72" diameter				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatio 8760 hr/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applical	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	ad during the town of the normit			
Fuel Type	Max Sulfur Content	Max Ash Content	BTU Value	
1 401 1 390		Content	Die vulue	

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)	0.1	0.4	
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
Regulated Pollutants other than	Potential Emissions		
Criteria and HAP	PPH	ТРҮ	
List the method(s) used to calculate the po versions of software used, source and date	tential emissions (include dat s of emission factors, etc.).	tes of any stack tests conducted,	
Engineering Estimate			

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.

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: SC-910B	Emission unit name: Sizing Screen	List any control dev with this emission u	vices associated mit:C-9780	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): This emissions group includes sizing screen SC-909A, sizing screen SC-909B, surge tank T-987 and two drumming bagging facilities.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/2002	Modification date(s): MM/DD/YYYY		
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 60" diameter				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hr/yr		
<i>Fuel Usage Data</i> (fill out all applicable fields)				
Does this emission unit combust fuel? Yes _X_ No		If yes, is it?		
		Indirect FiredDirect Fired		
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr rating of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
Emissions Data				
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Criteria Pollutants	Potential Emissions			
	PPH	ТРҮ		
Carbon Monoxide (CO)				
Nitrogen Oxides (NO _X)				
Lead (Pb)				
Particulate Matter (PM _{2.5})				
Particulate Matter (PM ₁₀)				
Total Particulate Matter (TSP)	0.1	0.4		
Sulfur Dioxide (SO ₂)				
Volatile Organic Compounds (VOC)				
Hazardous Air Pollutants	Potential Emissions			
	PPH	TPY		
Regulated Pollutants other than	Potential Emissions			
Criteria and HAP	PPH	ТРҮ		
List the method(s) used to calculate the po versions of software used, source and date	tential emissions (include dat s of emission factors, etc.).	tes of any stack tests conducted,		
Engineering Estimate				

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.

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-987	Emission unit name: Surge Tank	List any control dev with this emission u	vices associated mit:C-9780	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): This emissions group includes sizing screen SC-909A, sizing screen SC-909B, surge tank T-987 and two drumming bagging facilities.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/2011	Modification date(s MM/DD/YYYY):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 150 ft ³				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hr/yr	ng Schedule:	
Fuel Usage Data (fill out all applicable fields)				
Does this emission unit combust fuel? Yes X_ No If yes, is it?				
		Indirect Fired	Direct Fired	
Maximum design heat input and/or maximum horsepower rating: Type as		Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

ssions TPY 9413 ssions TPY
TPY 9413 ssions TPY
9413 ssions TPY
ssions TPY
ssions TPY
ssions TPY
TPY
ssions
TPY

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.

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control dev	vices associated	
Y-970A	Packaging Equipment	with this emission u	mit:C-9780	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): This emissions group includes sizing screen SC-909A, sizing screen SC-909B, surge tank T-987 and two drumming bagging facilities.				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1995	Modification date(s):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7500 pph				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applicable fields)				
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating		ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

	1	
Criteria Pollutants	Potential Emissions	
	РРН	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	2149	9413
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potenti	al Emissions
	РРН	TPY
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	РРН	TPY

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.

R13-1698.A.3 Maximum emissions of particulate matter to the atmosphere from emission point F-904 (the Y-970 bagging station and surge tank baghouse stack) shall not exceed 0.43 pounds per hour.

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: Y-970B	Emission unit name: Packaging Equipment	List any control devices associate with this emission unit:C-9780			
Provide a description of the emission unit (type, method of operation, design parameters, etc.): This emissions group includes sizing screen SC-909A, sizing screen SC-909B, surge tank T-987 and two drumming bagging facilities.					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1995	Modification date(s):		
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 7500 pph					
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:		
Fuel Usage Data (fill out all applicable fields)					
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?			
Indirect Fired		Direct Fired			
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of b		ting of burners:			
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be us	Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Criteria Pollutants		
	Potenti	ial Emissions
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	2149	9413
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potenti	ial Emissions
	PPH	TPY
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	PPH	TPY

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.

R13-1698.A.3 Maximum emissions of particulate matter to the atmosphere from emission point F-904 (the Y-970 bagging station and surge tank baghouse stack) shall not exceed 0.43 pounds per hour.

____ Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: T-740	Emission unit name: Fugitive Waste Collection Sump	List any control devices associated with this emission unit: D-336A Scrubber			
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Waste treatment tank vents to D-336A chlorine scrubber.					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/1964	Modification date(s):		
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 12,000 gallons					
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:		
<i>Fuel Usage Data</i> (fill out all applicable fields)					
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of burner			ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be us	Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Emissions Data		
Criteria Pollutants	Potential Emissions	
	РРН	ТРҮ
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	РРН	TPY
Chlorine	Refer to D-336A	
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the versions of software used, source and d	e potential emissions (include d lates of emission factors, etc.).	ates of any stack tests conducted,
Refer to D-336A		

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.

No rule 13 permit exists for Clearon's "back end waste" process.

____ Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name:	List any control devices associate with this emission unit: D-336A		
1 10130		Scrubber		
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Peroxide reactor vents to D-336A scrubber				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1976	Modification date(s):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 11,000 gallons				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
Fuel Usage Data (fill out all applicable fields)				
Does this emission unit combust fue	l? Yes _X_ No	If yes, is it?		
Indirect Fired		Direct Fired		
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of bu			ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
		1		

PPH Carbon Monoxide (CO) Nitrogen Oxides (NO _X) Lead (Pb) Particulate Matter (PM _{2.5}) Particulate Matter (PM ₁₀) Cotal Particulate Matter (TSP) Sulfur Dioxide (SO ₂) /olatile Organic Compounds (VOC) Hazardous Air Pollutants PPH Chlorine Refer to D-336A Regulated Pollutants other than Criteria and HAP PPH Image: Pollutant source of the pollutant source pollutant source pollutant source of the po	TPY nissions TPY	
Carbon Monoxide (CO) Image: CO (CO) Nitrogen Oxides (NO _X) Image: CO (CO) Lead (Pb) Image: CO (CO) Particulate Matter (PM10) Image: CO (CO) Total Particulate Matter (TSP) Image: CO (CO) Sulfur Dioxide (SO2) Image: CO (CO) Volatile Organic Compounds (VOC) Image: CO (CO) Hazardous Air Pollutants Potential En PPH Image: CO (CO) Chlorine Refer to D-336A Regulated Pollutants other than Criteria and HAP PPH Image: Contrast of the stress of t	nissions	
Nitrogen Oxides (NO _X) Image: Composition of the sector of the sect	nissions	
Lead (Pb) Image: constraint of the sector of the secto	nissions	
Particulate Matter (PM _{2.5})	nissions	
Particulate Matter (PM10)	nissions	
Total Particulate Matter (TSP)	nissions	
Sulfur Dioxide (SO2) Image: Compounds (VOC) Hazardous Air Pollutants Potential En PPH Image: Chlorine Chlorine Refer to D-336A Regulated Pollutants other than Criteria and HAP PPH PPH Image: Chlorine	nissions TPY	
Volatile Organic Compounds (VOC) Potential En Hazardous Air Pollutants PPH PPH PPH Chlorine Refer to D-336A Chlorine Image: Compound (Compound (nissions	
Hazardous Air Pollutants Potential En PPH PPH Chlorine Refer to D-336A Refer to D-336A Image: Chlorine Regulated Pollutants other than Criteria and HAP Potential En PPH Image: Chlorine	nissions	
PPH Chlorine Refer to D-336A Image: Chlorine Image: Chlorine Image: Chlorine Imag	TPY	
Chlorine Refer to D-336A Image: Chlorine Image: Chlorine Image: Chlorine Image: Chlorine Image: Chlorine Image: Chlorine Regulated Pollutants other than Criteria and HAP Potential En PPH Image: Chlorine Image: Chlorine Image: Chlorine	nissions	
Regulated Pollutants other than Potential En Criteria and HAP PPH	nissions	
Regulated Pollutants other than Potential En Criteria and HAP PPH	nissions	
Regulated Pollutants other than Potential En Criteria and HAP PPH	nissions	
Regulated Pollutants other than Criteria and HAP Potential En PPH	nissions	
Criteria and HAP PPH	Potential Emissions	
	TPY	
List the method(s) used to calculate the potential emissions (include dates of versions of software used, source and dates of emission factors, etc.).	any stack tests conducted,	
Refer to D-336A		

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.

No rule 13 permit exists for Clearon's "back end waste" process.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number:	Emission unit name:	List any control dev	vices associated		
T-7804	Centrifuge Feed Tank	Scrubber	mit: D-336A		
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Centrifuge feed tank vents to D-336A scrubber					
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/2009	Modification date(s MM/DD/YYYY):		
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 12,000 gallons					
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:		
<i>Fuel Usage Data</i> (fill out all applicable fields)					
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be used during the term of the permit.					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Poter	ntial Emissions
	РРН	TPY
Chlorine	Refer to D-336A	
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	PPH	TPY
List the method(s) used to calculate tl versions of software used, source and	he potential emissions (include d dates of emission factors, etc.).	ates of any stack tests conducted,
Refer to D-336A		

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.

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Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: CE-7802	Emission unit name: Centrifuge	List any control dev with this emission u	vices associated mit: D-336A	
		Scrubber		
Provide a description of the emission Centrifuge vents to D-336A scrubber	n unit (type, method of operation, de	esign parameters, etc	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1979	Modification date(s MM/DD/YYYY):	
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 200 gp	m		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
Fuel Usage Data (fill out all applical	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
M		Indirect Fired	Direct Fired	
Maximum design neat input and/or	maximum norsepower rating:	Type and Btu/nr ra	ung of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

	D-4	and all England and
	POL	tential Emissions
	РРН	ТРҮ
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Pot	tential Emissions
	PPH	TPY
Regulated Pollutants other than	Pot	tential Emissions
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the pote	ntial emissions (include	e dates of any stack tests conducted,
versions of software used, source and dates	or emission factors, etc.,	
Refer to $D_{-}336\Delta$		

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.

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Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: T-7820	Emission unit name:	List any control dev with this emission u	vices associated mit: D-336A		
17020		Scrubber			
Provide a description of the emission Centrifuge feed tank vents to D-336A	n unit (type, method of operation, de scrubber	esign parameters, etc	.):		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/2018	Modification date(s):		
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 23,000	gallons			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:		
Fuel Usage Data (fill out all applical	ble fields)				
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel armseted to be us	ad during the town of the normit				
Fuel Type	Max Sulfur Content	Max Ash Content	BTU Value		
		inux, rish content	Die value		

Emissions Data			
Criteria Pollutants	Potential Emissions		
	РРН	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Potent	tial Emissions	
	РРН	TPY	
Chlorine	Refer to D-336A		
Regulated Pollutants other than	Potential Emissions		
Criteria and HAP	РРН	TPY	
List the method(s) used to calculate th versions of software used, source and o	e potential emissions (include da dates of emission factors, etc.).	ites of any stack tests conducted,	
Refer to D-336A			

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.

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Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form					
Emission Unit Description					
Emission unit ID number: T-7821A	Emission unit name: Sodium Hypochlorite Tank	List any control devices associated with this emission unit: D-336A Scrubber			
Provide a description of the emission T-7821A tank vents to D-336A scrubb	n unit (type, method of operation, d	esign parameters, etc.	.):		
Manufacturer:	Model number:	Serial number:			
Construction date: MM/DD/YYYY	Installation date: MM/DD/2000	Modification date(s):		
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 23,500	gallons			
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hr/yr	ng Schedule:		
Fuel Usage Data (fill out all applical	ble fields)				
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?			
		Indirect Fired	Direct Fired		
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.					
Describe each fuel expected to be used during the form of the permit					
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value		

Potential Emissions	
TPY	
TPY	
Potential Emissions	
TPY	
ests conducted,	

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.

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Permit Shield

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Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-7821B	Emission unit name: Sodium Bisulfite Tank	List any control devices associat with this emission unit: D-336A		
		Scrubber		
Provide a description of the emission T-7821B tank vents to D-336A scrubb	n unit (type, method of operation, do per	esign parameters, etc	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/2015	Modification date(s):	
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 18,500	gallons		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
Fuel Usage Data (fill out all applical	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	ed during the term of the permit.	1		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)			
Nitrogen Oxides (NO _X)			
Lead (Pb)			
Particulate Matter (PM _{2.5})			
Particulate Matter (PM ₁₀)			
Total Particulate Matter (TSP)			
Sulfur Dioxide (SO ₂)			
Volatile Organic Compounds (VOC)			
Hazardous Air Pollutants	Poter	ntial Emissions	
	РРН	TPY	
Chlorine	Refer to D-336A		
Regulated Pollutants other than	Potential Emissions		
Criteria and HAP	РРН	TPY	
List the method(s) used to calculate the versions of software used, source and da	potential emissions (include d ates of emission factors, etc.).	lates of any stack tests conducted,	
Refer to D-336A			

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.

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Permit Shield

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Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-7850	Emission unit name: Neutralization Sump	List any control devices associated with this emission unit:		
Provide a description of the emission T-7850 sump vents to atmosphere. Op	n unit (type, method of operation, depention, depention, depention, depention, depention, depention, dependent depen	esign parameters, etc	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1964	Modification date(s): MM/DD/YYYY		
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 3500 ga	allons		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applical	ble fields)			
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

ritoria Dollutanta	D_^	stantial Emissions
	РО РРН	
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _x)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Ро	tential Emissions
	РРН	TPY
Chlorine	trace	
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the versions of software used, source and	ne potential emissions (include dates of emission factors, etc.	e dates of any stack tests conducted, .).
Sump vents to autosphere. It may entit	trace amounts of emornie.	
Sump vents to atmosphere. It may emit	dates of emission factors, etc.	, uaits of any stack les

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.

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Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: T-7810	Emission unit name: Hydrogen Peroxide Tank	List any control dev with this emission u	vices associated mit: NA	
Provide a description of the emissio Hydrogen Peroxide tank.	n unit (type, method of operation, d	esign parameters, etc	.):	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1974	Modification date(s): MM/DD/YYYY		
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 13,000	gallons		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hr/yr		
Fuel Usage Data (fill out all applica	ble fields)	1		
Does this emission unit combust fue	l? Yes _X_ 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:			ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
Emissions Data				
---	---	-----------------------------------		
Criteria Pollutants	Potential Emissions			
	PPH	TPY		
Carbon Monoxide (CO)				
Nitrogen Oxides (NO _X)				
Lead (Pb)				
Particulate Matter (PM _{2.5})				
Particulate Matter (PM ₁₀)				
Total Particulate Matter (TSP)				
Sulfur Dioxide (SO ₂)				
Volatile Organic Compounds (VOC)				
Hazardous Air Pollutants	Potenti	al Emissions		
	PPH	TPY		
Regulated Pollutants other than	Potenti	al Emissions		
Criteria and HAP	PPH	TPY		
List the method(s) used to calculate the po versions of software used, source and date	otential emissions (include dat es of emission factors, etc.).	tes of any stack tests conducted,		
No vent No Emissions				

Applicable	Requirements
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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.

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Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATT	ACHMENT E - Emission Uni	t Form	
Emission Unit Description			
Emission unit ID number: T-7805	Emission unit name: Head Tank	List any control dev with this emission u	vices associated mit: NA
Provide a description of the emissio Head tank in the back end waste.	n unit (type, method of operation, d	esign parameters, etc	.):
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/2012	Modification date(s):
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 100 gal	llons	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:
<i>Fuel Usage Data</i> (fill out all applica	ble fields)		
Does this emission unit combust fue	!? Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.	S). For each fuel type	listed, provide
Describe coch fuel expected to be us	and during the torm of the normit		
Fuel Type	Max Sulfur Content	Max Ash Content	BTI Value
	Max. Sumu Coment	Max. Asii Colitciit	

Criteria Pollutants	Potential Emissions	
	РРН	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potentia	l Emissions
	РРН	TPY
Regulated Pollutants other than	Potentia	l Emissions
Criteria and HAP	РРН	TPY
List the method(s) used to calculate the po	tential emissions (include date	es of any stack tests conducted,
versions of software used, source and dates	s of emission factors, etc.).	
No vent. No Emissions.		

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.

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Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATI	CACHMENT E - Emission Uni	it Form	
Emission Unit Description			
Emission unit ID number: T-7819	Emission unit name: Repulp Tank	List any control dev with this emission u	vices associated mit: NA
Provide a description of the emission Repulp tank in the back end waste.	on unit (type, method of operation, d	esign parameters, etc	.):
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/2010	Modification date(s MM/DD/YYYY	i):
Design Capacity (examples: furnac	es - tons/hr, tanks - gallons): 900 ga	llons	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:
Fuel Usage Data (fill out all applica	ble fields)		
Does this emission unit combust fue	el?Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	• maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if the maximum hourly and annual fu	applicable, the secondary fuel type(s lel usage for each.	s). For each fuel type	listed, provide
Describe each fuel expected to be u	sed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Potential Em	ISSIONS TPY
PPH	TPY
Potential Em	issions
PPH	TPY
Potential Em	issions
PPH	TPY
	-
	Potential Emi PPH Potential Emi PPH Potential Emi Potential Emi PPH Potential Emi PPH PPH

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.

No rule 13 permit exists for Clearon's "back end waste" process.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATT	ACHMENT E - Emission Uni	t Form	
Emission Unit Description			
Emission unit ID number: T-7814	Emission unit name: Surge Tank	List any control dev with this emission u	vices associated mit: NA
Provide a description of the emission Cyanuric acid recovery (surge) tank in	n unit (type, method of operation, de the back end waste.	l esign parameters, etc	.):
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1998	Modification date(s):
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 20,000	gallons	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:
<i>Fuel Usage Data</i> (fill out all applical	ble fields)		
Does this emission unit combust fue	?Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if a the maximum hourly and annual fu	applicable, the secondary fuel type(s el usage for each.	s). For each fuel type	listed, provide
Describe each fuel expected to be us	ed during the term of the permit.	1	
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	РРН	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potenti	al Emissions
	PPH	TPY
Regulated Pollutants other than	Potenti	al Emissions
Criteria and HAP	PPH	TPY
List the method(s) used to calculate the po- versions of software used, source and dates	tential emissions (include dat s of emission factors, etc.).	tes of any stack tests conducted,
No vent. No Emissions.		
INO VEIL. INO EMISSIONS.		

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.

No rule 13 permit exists for Clearon's "back end waste" process.

Permit Shield

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

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

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

ATT	ACHMENT E - Emission Uni	t Form	
Emission Unit Description			
Emission unit ID number: H-1314	Emission unit name: Cooling Tower	List any control dev with this emission u	vices associated mit:
Provide a description of the emission Process cooling tower	n unit (type, method of operation, de	esign parameters, etc	.):
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1976	Modification date(s):
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 14 MM	IBtu/hr	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 8760 hr/yr	ng Schedule:
Fuel Usage Data (fill out all applical	ble fields)	1	
Does this emission unit combust fuel	?Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if a the maximum hourly and annual fue	applicable, the secondary fuel type(s el usage for each.). For each fuel type	listed, provide
Describe each fuel expected to be us	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _X)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	1.74	7.6
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potentia	al Emissions
	PPH	TPY
Regulated Pollutants other than	Potentia	al Emissions
Criteria and HAP	PPH	TPY
Regulated Pollutants other than Criteria and HAP Image: Criteria and HAP	Potentia PPH ptential emissions (include date of emission factors, etc.).	al Emissions
alculate the po ource and date	otential emissions (include date	es of any stack tests conducted,
AP 42 amission factors	·····)·	
AP-42 emission factors		

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

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

Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATT	ACHMENT E - Emission Uni	t Form	
Emission Unit Description			
Emission unit ID number: H-1014	Emission unit name: Cooling Tower	List any control dev with this emission u	vices associated mit:
Provide a description of the emission Process cooling tower	n unit (type, method of operation, d	esign parameters, etc.	.):
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1969	Modification date(s):
Design Capacity (examples: furnace	s - tons/hr, tanks - gallons): 10 MM	IBtu/hr	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hr/yr	ng Schedule:
<i>Fuel Usage Data</i> (fill out all applical	ble fields)	I	
Does this emission unit combust fue	?Yes _X_ No	If yes, is it?	
		Indirect Fired	Direct Fired
Maximum design heat input and/or	maximum horsepower rating:	Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if a the maximum hourly and annual fue	applicable, the secondary fuel type(s el usage for each.	S). For each fuel type	listed, provide
Describe each fuel expected to be us	ed during the term of the permit.	1	
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

issions TPY 7.6 ssions
TPY 7.6 ssions
7.6 ssions
7.6
issions
issions
issions
TPY
issions
TPY
my stack tests conducted,
· · · · · · · · · · · · · · · · · · ·

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

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

Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: H-107	Emission unit name: Cooling Tower	List any control dev with this emission u	vices associated mit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process cooling tower				
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1997	Modification date(s):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 3.1 MMBtu/hr				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operatin 8760 hr/yr	ng Schedule:	
Fuel Usage Data (fill out all applical	ble fields)	1		
Does this emission unit combust fue	?Yes _X_ No	If yes, is it?		
		Indirect Fired	Direct Fired	
Maximum design heat input and/or maximum horsepower rating: Type and Btu/hr rating of bur		ting of burners:		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	

Potential PPH	Emissions
PPH	TPY
0.59	2.6
Potential	Emissions
РРН	TPY
Potential Emissions	
РРН	TPY
	0.59 Potential PPH Potential PPH Potential PPH

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

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

Are you in compliance with all applicable requirements for this emission unit? ____Yes ____No

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: EG-100	Emission unit name: Emergency Generator	List any control dev with this emission u	vices associated mit :NA	
Provide a description of the emission Emergency generator to provide power	on unit (type, method of operation, d er to critical equipment in the calciner	esign parameters, etc. process area in the eve	.): nt of power loss.	
Manufacturer:	Model number:	Serial number:		
Construction date: MM/DD/YYYY	Installation date: MM/DD/1997	Modification date(s):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1340 HP				
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 500 hr/yr	ng Schedule:	
<i>Fuel Usage Data</i> (fill out all applica	ble fields)			
Does this emission unit combust fue	el? _X_Yes No	If yes, is it?		
		Indirect Fired _X_Direct Fired		
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if the maximum hourly and annual fu Diesel fuel	applicable, the secondary fuel type(s lel usage for each.	S). For each fuel type	listed, provide	
Describe each fuel expected to be us	sed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
Diesel Fuel	15 ppm			

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	7.37	32.28
Nitrogen Oxides (NO _X)	32.16	140.86
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	0.938	4.11
Sulfur Dioxide (SO ₂)	0.016	0.07
Volatile Organic Compounds (VOC)	0.945	4.14
Hazardous Air Pollutants	Potential	Emissions
	PPH	TPY
Regulated Pollutants other than	Potential	Emissions
Criteria and HAP	PPH	TPY

AP-42 Emissions Factors

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.

R13-2050H 4.1.14 Hourly and annual emissions from the EG-100 Emergency Generator shall not exceed the maximum limits of PM 0.938 (lg/hr) 0.23 (tpy), VOC 0.945 (lb/hr) 0.24 (tpy), CO 7.37 (lb/hr) 1.84 (tpy), NOx 32.16 (lb/hr) 8.04 (tpy), SO2 (10.84 lb/hr) 2.71 (tpy).

The generator is subject to 40 CFR 63 subpart ZZZZ.

63.6595(a)(1), 63.6603(a), Table 2d-Item 4, 63.6604(b), 63.6605(b), 63.6625(e), 63.6625(e)(3), 63.6625(f), 63.6625(h), & 63.6625(i).

____ Permit Shield

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

R13-2050H 4.2.2 For the purpose of determining compliance with the maximum emission rate limitations established for the emergency generator/diesel engine as set forth in Condition 4.1.14., the permittee shall keep daily, monthly and annual records of hours of operation, and any and all maintenance work performed on the generator/engine. Such records must be maintained in accordance with Condition 3.4.1.

The generator is subject to 40 CFR 63 subpart ZZZZ.

63.6640(a), 63.6640(b), 63.6640(e), 63.6640(f), 63.6650(f), 63.6650(h), 63.6655(e), 63.6655(f), 63.6660(a)

Are you in compliance with all applicable requirements for this emission unit? <u>X</u>Yes <u>No</u>

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: EG-200	Emission unit name: Emergency Generator	List any control dev with this emission u	vices associated mit: NA	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emergency generator to provide power to critical equipment in the waste treatment, backend, and digestion process areas in the event of power loss.				
Manufacturer: Caterpillar	Model number: C32-1000kW	Serial number:		
Construction date: MM/DD/YYYY	Installation date: 06/DD/2012	Modification date(s MM/DD/YYYY):	
Design Capacity (examples: furnace	es - tons/hr, tanks - gallons): 1474 H	P		
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 500 hr/yr	ng Schedule:	
Fuel Usage Data (fill out all applical	ble fields)			
Does this emission unit combust fuel? _X_Yes No If yes, is it?				
		Indirect Fired	Indirect Fired _X_Direct Fired	
Maximum design heat input and/or maximum horsepower rating:Ty1474		Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Diesel fuel				
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
Diesel Fuel	15 ppm			

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.42	1.85
Nitrogen Oxides (NO _X)	16.02	70.17
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)	0.058	0.26
Total Particulate Matter (TSP)	1.03	4.52
Sulfur Dioxide (SO ₂)	0.018	0.078
Volatile Organic Compounds (VOC)	0.03	0.14
Hazardous Air Pollutants	Potentia	l Emissions
	PPH	TPY
Regulated Pollutants other than	Potentia	l Emissions
Criteria and HAP	PPH	TPY

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.

Emission Limitations: NOx 16.02 lb/hr and 4.01 TPY, CO 0.42 lb/hr and 0.11 TPY, SO2 5.96 lb/hr and 1.49 TPY, and PM 0.06 lb/hr and 0.02 TPY (*General Permit G60C-045*)

Operation and Maintenance of Air Pollution Control Equipment. The registrant shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in the issued General Permit Registration 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. *45CSR§13-5.11*

Max fuel consumption limitation: The maximum fuel consumption for any registered reciprocating internal combustion engine listed in the General Permit Registration application shall not exceed the fuel consumption recorded with registrant's Class II General Permit Registration Application without effecting a modification or administrative update. Compliance with the Maximum Yearly Fuel Consumption Limitation shall be determined used a twelve month rolling total. A twelve month rolling total shall mean the sum of the fuel consumption at any given time during the previous twelve consecutive calendar months. – R60C045 Section 5.1.3

Requirements for Use of Catalytic Reduction Devices

- a. Rich-burn natural gas compressor engines equipped with non-selective catalytic reduction (NSCR) air pollutant control devices shall be fitted with a closed-loop, automatic air/fuel ratio controller to ensure emissions of regulated pollutants do not exceed the potential to emit for any engine/NSCR combination under varying load. The closed-loop, automatic air/fuel ratio controller shall control a fuel metering valve to deliver additional fuel when required to ensure a fuel-rich mixture and a resultant exhaust oxygen content of less than or equal to 0.5%. The automatic air/fuel ratio controller shall also incorporate dual-point exhaust gas temperature and oxygen sensors which provide temperature and exhaust oxygen content differential feedback. Such controls shall ensure proper efficient operation of the engine and NSCR air pollution control device;
- b. Lean-burn natural gas compressor
- c. The automatic air/fuel ratio controller or closed-loop automatic feedback controller shall provide a warning or indication to the operator and/or be interlocked with the engine ignition system to cease engine operation in case of a masking, poisoning or overrich air/fuel ratio situation which results in performance degradation or failure of the catalyst element; and
- d. No person shall knowingly:
 - 1. Install any part or component when the principal effect of the part or component is to bypass, defeat or render inoperative any air pollution control device or auxiliary air pollution control device installed subject to the requirements of General Permit G35-A; or
 - 2. Cause or allow engine exhaust gases to bypass any catalytic reduction device. *R60C045 Section 5.1.4*

40 CFR 60 Subpart IIII

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

Monitoring - Catalytic Oxidizer Control Devices

a. The permittee shall regularly inspect, properly maintain and/or replace catalytic reduction devices and auxiliary air pollution control devices to ensure functional and effective operation of the engine's physical and operational design. The permittee shall ensure proper operation, maintenance and performance of catalytic reduction devices and auxiliary air pollution control devices by:

1. Maintaining proper operation of the automatic air/fuel ratio controller or automatic feedback controller.

2. Following operating and maintenance recommendations of the catalyst element manufacturer. *R60C045 Section 5.2.1*

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

Recordkeeping – To demonstrate compliance with section 4.1.1, 4.1.2, and 4.1.3, the permittee shall maintain records of the amount and type of fuel consumed and the hours of operation for the engine. Said records shall be maintained on site or in a readily accessible off-site location maintained by the permittee for a period of five years. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. Any records submitted to the agency purstant to a requirement of this permit or upon request by the Director shall be certified by a responsible official. *R60C045 Section 5.4.1*

40 CFR 60 Subpart IIII

Are you in compliance with all applicable requirements for this emission unit? <u>X</u> Yes <u>No</u>

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number: EG-400	Emission unit name: Emergency Generator	List any control dev with this emission u	vices associated mit: NA
Provide a description of the emissio Emergency generator to provide pow	on unit (type, method of operation, d er to critical process equipment in the	esign parameters, etc event of power loss.	.):
Manufacturer:	Model number:	Serial number:	
Construction date: MM/DD/YYYY	Installation date: MM/DD/1991	Modification date(s):
Design Capacity (examples: furnac	es - tons/hr, tanks - gallons): 745 Hi)	
Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operation 500 hr/yr	ng Schedule:
Fuel Usage Data (fill out all applica	ble fields)		
Does this emission unit combust fuel? _X_Yes No		If yes, is it?	
Maximum design heat input and/or maximum horsepower rating:		Indirect Fired Type and Btu/hr ra	_X_Direct Fired
List the primary fuel type(s) and if the maximum hourly and annual for Diesel fuel	applicable, the secondary fuel type(s uel usage for each.	s). For each fuel type	listed, provide
Describe each fuel expected to be u	sed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Diesel fuel	15 ppm		

Criteria Pollutants	Potential	Emissions
	РРН	TPY
Carbon Monoxide (CO)	4.1	17.95
Nitrogen Oxides (NO _X)	17.88	78.3
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)	0.522	2.28
Sulfur Dioxide (SO ₂)	0.009	0.04
Volatile Organic Compounds (VOC)	0.53	2.3
Hazardous Air Pollutants	Potential	Emissions
	РРН	TPY
Regulated Pollutants other than	Potential	Emissions
Criteria and HAP	РРН	TPY

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.

The generator is subject to 40 CFR 63 subpart ZZZZ.

63.6595(a)(1), 63.6603(a), Table 2d-Item 4, 63.6604(b), 63.6605(b), 63.6625(e), 63.6625(e)(3), 63.6625(f), 63.6625(h), & 63.6625(i).

Permit Shield

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

The generator is subject to 40 CFR 63 subpart ZZZZ.

63.6640(a), 63.6640(b), 63.6640(e), 63.6640(f), 63.6650(f), 63.6650(h), 63.6655(e), 63.6655(f), 63.6660(a)

Are you in compliance with all applicable requirements for this emission unit? <u>X</u>Yes <u>No</u>

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

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: EG-514	Emission unit name: Generator	List any control dev with this emission u	vices associated mit:	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emergency generator used to provide back-up power for the plant's computer network and phone system located in Building 514.				
Manufacturer: Caterpillar	Model number: D100-66	Serial number:		
Construction date: MM/DD/YYYY	Installation date: 05/28/2012	Modification date(s MM/DD/YYYY):	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 157 HP				
Maximum Hourly Throughput: 7.9 gal/hr	Maximum Annual Throughput: 3950 gal/yr	Maximum Operation 500 hr/yr	ng Schedule:	
Fuel Usage Data (fill out all applica	ble fields)	1		
Does this emission unit combust fue	el? _X_Yes No	If yes, is it?		
		Indirect Fired	_X_Direct Fired	
Maximum design heat input and/or maximum horsepower rating: 157		Type and Btu/hr ra	ting of burners:	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Diesel fuel				
Describe each fuel expected to be u	sed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
Diesel fuel	15 ppm			

Potenti	al Emissions	
PPH	ТРҮ	
1.256	5.501	
1.099	4.81	
0.345	1.51	
0.079	0.34	
0.32	1.41	
0.388	1.7	
Potential Emissions		
PPH	ТРҮ	
0.073	0.32	
Potenti	al Emissions	
PPH	ТРҮ	
	Potenti PPH 1.256 1.099 0.345 0.079 0.32 0.388 Potenti PPH 0.073 Potenti PPH 0.073	

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

AP-42 & Manufacturer Emissions Factors.

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.

R13-2931 4.1.2 - Emission Limitations: PM 0.08 lb/hr and 0.02 TPY, PM10 0.08 lb/hr and 0.02 TPY, VOC 0.39 lb/hr and 0.10 TPY, SO2 0.32 lb/hr and 0.08 TPY, NOx 1.09 lb/hr and 0.27, CO 1.25 lb/hr and 0.31 TPY, and Formaldehyde 0.07 (lb/hr) and 0.02 (tpy)

R13-2931 4.1.3 - Max fuel consumption limitation: The maximum fuel consumption for the emergency generator (EG514) shall not exceed 3,950 gal/yr (based on operating 500 hr/yr or less) without effecting a modification or administrative update. Compliance with the Maximum Yearly Fuel Consumption Limitation shall be determined used a twelve month rolling total. A twelve month rolling total shall mean the sum of the fuel consumption at any given time during the previous twelve consecutive calendar months.

R13-2931 5.1.1 – Maximum Yearly Operation Limitation. The maximum yearly hours of operation for the emergency generator shall not exceed 500 hours per year. Compliance with the Maximum Yearly Operation Limitation shall be determined using a twelve month rolling total. A twelve month rolling total shall mean the sum of the hours of operation at any given time during the previous twelve consecutive calendar months.

R13-2931 5.1.11 – If you are an owner or operator of an emergency stationary CI internal combustion engine, you must install a non-resettable hour meter prior to startup of the engine. [40CFR60.4209a]

R13-2931 5.1.15 – Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. Anyone may petition the administrator for approval of additional hours to be used for maintenance checks and readiness testing, but at petition is not required fi the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. For owners and operators of emergency engines meeting standards under 60.4205 but not 60.4204, any operation, and maintenance and testing as permitted in this section, is prohibited. [40CFR60.4211e]

40 CFR 60 Subpart IIII

40CFR60.4205b, 40CFR60.4206, 40CFR60.4207b, 40CFR60.4208a, 40CFR 60.4208g, 40CFR60.4209, 40CFR60.4209a, 40CFR60.4209b, 40CFR60.4211a, 40CFR60.4211c, 40CFR60.4211e, 40 C.F.R. 60.4212c

Permit Shield

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

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

R13-2931 4.4.1 - To demonstrate compliance with section 4.1.1, 4.1.2, and 4.1.3, the permittee shall maintain records of the amount and type of fuel consumed and the hours of operation for the engine. Said records shall be maintained on site or in a readily accessible off-site location maintained by the permittee for a period of five years. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. Any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director shall be certified by a responsible official.

R13-2931 5.3.1 - Records, Operation and Compliance

- a. For the purpose of determining compliance with the Maximum Yearly Operation Limitation (condition 11.1.5.), a person designated by a Responsible Official or Authorized Representative shall maintain records of hours of operation utilizing copies of Appendix A Monthly Hours of Operation Record (or a similar form containing the same information);
- b. For the purpose of determining compliance with the Fuel Type Limitation (conditions 11.1.6. and 11.1.10.), a person designated by a Responsible Official or Authorized Representative shall maintain records of quantity and type of fuel burned.
- c. For the purpose of determining compliance with the Regulated Pollutant Limitation for SO₂ (condition 11.1.3.), a person designated by a Responsible Official or Authorized Representative shall maintain records of the maximum sulfur content on a per-shipment basis for fuel oil, recycled or used oil or annual certification of the sulfur content from the supplier for pipeline quality natural gas.

R13-2931 5.3.3 - Equipment Maintenance Records

- a. The permittee shall maintain maintenance records relating to failure and/or repair of emergency generator equipment. In the event of equipment or system failure, these records shall document the registrant's effort to maintain proper and effective operation of such equipment and/or systems;
- b. Said records shall be maintained for a period of five (5) years on site or in a readily accessible off-site location maintained by the permittee. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. Any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director shall be certified by a responsible official.

R13-2931 5.3.6 – Certification of Information. Any application form, report, or compliance certification required by this General Permit to be submitted to the Division of Air Quality 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.

R13-2931 Appendix A – Monthly Hours of Operation Record. Appendix B – Maintenance Record Certification of Data Accuracy.

40 CFR 60 Subpart IIII

40CFR60.421b

Are you in compliance with all applicable requirements for this emission unit? <u>X</u>Yes <u>No</u>

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

ATTACHMENT G - Air Pollution Control Device Form			
Control device ID number: C-1010List all emission units associated with this control device. T-1010 Urea Storage Silo, Baghouse S-196 to T-1010 Urea Storage Silo			
Manufacturer:	Model number:	Installation date: 1992	
Type of Air Pollution Control Device:			
X Baghouse/Fabric Filter	Venturi Scrubber	Multiclone	
Carbon Bed Adsorber	Packed Tower Scrubber	Single Cyclone	
Carbon Drum(s)	Other Wet Scrubber	Cyclone Bank	
Catalytic Incinerator	Condenser	Settling Chamber	
Thermal Incinerator	Flare	Other (describe)	
Wet Plate Electrostatic Precipitator		Dry Plate Electrostatic Precipitator	
List the pollutants for which this devi	ce is intended to control and the ca	pture and control efficiencies.	
Pollutant	Capture Efficiency	Control Efficiency	
Particulates	99.990%		
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? YesX_ No If Yes, Complete ATTACHMENT H If No, Provide justification. Not a major source			
Describe the parameters monitored and/or methods used to indicate performance of this control device. Minimum static pressure drop (inches water) 2. Monitoring and recordkeeping required at a minimum of once per week.			

ATTACHMENT G - Air Pollution Control Device Form			
Control device ID number: S-151-A	List all emission units associated with this control device. T-151		
Manufacturer:	Model number:	Installation date: 1983	
Type of Air Pollution Control Device:			
X Baghouse/Fabric Filter	Venturi Scrubber	Multiclone	
Carbon Bed Adsorber	Packed Tower Scrubber	Single Cyclone	
Carbon Drum(s)	Other Wet Scrubber	Cyclone Bank	
Catalytic Incinerator	Condenser	Settling Chamber	
Thermal Incinerator	Flare	Other (describe)	
Wet Plate Electrostatic Precipitator	_	Dry Plate Electrostatic Precipitator	
List the pollutants for which this device is intended to control and the capture and control efficiencies.			
Pollutant	Capture Efficiency	Control Efficiency	
Particulates	99.990%		
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? YesX_ No If Yes, Complete ATTACHMENT H If No, Provide justification. Not a major source			
Describe the parameters monitored and/or methods used to indicate performance of this control device. Minimum static pressure drop (inches water) 2. Monitoring and recordkeeping required at a minimum of once per week.			
ATTACHMENT G - Air Pollution Control Device Form			
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Control device ID number: S-195	List all emission units associated with this control device. T-191		
Manufacturer:	Model number:	Installation date: 1983	
Type of Air Pollution Control Device:			
X Baghouse/Fabric Filter	Venturi Scrubber	Multiclone	
Carbon Bed Adsorber	Packed Tower Scrubber	Single Cyclone	
Carbon Drum(s)	Other Wet Scrubber	Cyclone Bank	
Catalytic Incinerator	Condenser	Settling Chamber	
Thermal Incinerator	Flare	Other (describe)	
Wet Plate Electrostatic Precipitator		Dry Plate Electrostatic Precipitator	
List the pollutants for which this devi	ce is intended to control and the c	apture and control efficiencies.	
Pollutant	Capture Efficiency	Control Efficiency	
Particulates	99.990%		
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? YesX_ No If Yes, Complete ATTACHMENT H If No, Provide justification. Not a major source			
Describe the parameters monitored and/or methods used to indicate performance of this control device. Minimum static pressure drop (inches water) 2. Monitoring and recordkeeping required at a minimum of once per week.			

ATTACHMENT G - Air Pollution Control Device Form			
Control device ID number: D-101	List all emission units associated with this control device. A Calciner (D-101 A Scrubber is process equipment)		
Manufacturer:	Model number:	Installation date: 1963	
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 devi	ce is intended to control and the ca	pture and control efficiencies.	
Pollutant	Capture Efficiency	Control Efficiency	
Ammonia			
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). D-101 scrubber is a piece of process equipment used to recover urea and cyanuric acid and return it to A Kiln. In the event of a malfunction with the ammonia burner, the process scrubber is switched from a urea scrubbing solution to captive water in order to control ammonia emissions and the process emissions are exhausted through an emergency scrubber.			
Is this device subject to the CAM requ	iirements of 40 C.F.R. 64?Ye	es _X_ No	
If Yes, Complete ATTACHMENT HIf No, Provide justification.D-101 A Scrubber is process equipment.			
Describe the parameters monitored a	nd/or methods used to indicate per	formance of this control device.	

ATTACHMENT G - Air Pollution Control Device Form			
List all emission units associated with this control device. F-101			
Model number:		Installation date: 1963	
:			
Venturi Scrubber		Multiclone	
Packed Tower Scrubber		Single Cyclone	
Other Wet Scrubber		Cyclone Bank	
Condenser		Settling Chamber	
Flare	<u>X</u>	Other (describe) <u>Afterburner</u>	
		Dry Plate Electrostatic Precipitator	
ce is intended to control and t	the ca	pture and control efficiencies.	
Capture Efficiency		Control Efficiency	
99.990%			
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). (1) 5 million BTU/hr natural gas burner			
uirements of 40 C.F.R. 64?	Ye	s _X_ No	
If Yes, Complete ATTACHMENT H If No, Provide justification. Not a major source			
Describe the parameters monitored and/or methods used to indicate performance of this control device.			
	I G - AIP Pollution Cor List all emission units assoc F-101 Model number: Venturi Scrubber Packed Tower Scrubber Other Wet Scrubber Condenser Flare ce is intended to control and for anticlastic structure of this control device matters of this control device million BTU/hr natural gas burn uirements of 40 C.F.R. 64? jor source	I G - Air Pollution Control List all emission units associated F-101 Model number: Packed Tower Scrubber Packed Tower Scrubber Other Wet Scrubber Condenser Flare Zapture Efficiency 99.990% Image: Solution of this control device (flow nillion BTU/hr natural gas burner uirements of 40 C.F.R. 64? year ior source	

ATTACHMENT G - Air Pollution Control Device Form				
Control device ID number: D-121	List all emission units associated with this control device. B Calciner (D-121 B Scrubber is process equipment)			
Manufacturer:	Model number:	Installation date: 1968		
Type of Air Pollution Control Device:				
Baghouse/Fabric Filter	Venturi Scrubber	Multiclone		
Carbon Bed Adsorber	Packed Tower Scrubber	Single Cyclone		
Carbon Drum(s)X_	Other Wet Scrubber	Cyclone Bank		
Catalytic Incinerator	Condenser	Settling Chamber		
Thermal Incinerator	Flare	Other (describe)		
Wet Plate Electrostatic Precipitator]	Dry Plate Electrostatic Precipitator		
List the pollutants for which this device	ce is intended to control and the ca	pture and control efficiencies.		
Pollutant	Capture Efficiency	Control Efficiency		
Ammonia				
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). D-121 scrubber is a piece of process equipment used to recover urea and cyanuric acid and return it to B Kiln. In the event of a malfunction with the ammonia burner, the process scrubber is switched from a urea scrubbing solution to captive water in order to control ammonia emissions and the process emissions are exhausted through an emergency scrubber.				
Is this device subject to the CAM requ	Is this device subject to the CAM requirements of 40 C.F.R. 64? YesX_No			
If Yes, Complete ATTACHMENT H If No, Provide justification. D-121 B Scrubber is process equipment.				
Describe the parameters monitored ar	nd/or methods used to indicate per	formance of this control device.		

ATTACHMENT G - Air Pollution Control Device Form			
Control device ID number: F-124	List all emission units associated with this control device. F-121		
Manufacturer:	Model number:		Installation date: 1968
Type of Air Pollution Control Device:			
Baghouse/Fabric Filter	Venturi Scrubber	1	Multiclone
Carbon Bed Adsorber	Packed Tower Scrubber	S	Single Cyclone
Carbon Drum(s)	Other Wet Scrubber	(Cyclone Bank
Catalytic Incinerator	Condenser	S	Settling Chamber
Thermal Incinerator	Flare	<u>X</u>	Other (describe) Afterburner
Wet Plate Electrostatic Precipitator	-	I	Dry Plate Electrostatic Precipitator
List the pollutants for which this devi	ce is intended to control and th	e caj	pture and control efficiencies.
Pollutant	Capture Efficiency		Control Efficiency
Ammonia	99.990%		
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). (1) 5 million BTU/hr natural gas burner			
Is this device subject to the CAM requ	urements of 40 C.F.R. 64?	Yes	s _XNo
If Yes, Complete ATTACHMENT H If No, Provide justification. Not a major source.			
Describe the parameters monitored and/or methods used to indicate performance of this control device.			

ATTACHMENT G - Air Pollution Control Device Form			
Control device ID number: D-161	List all emission units associated with this control device. C Calciner (D-161 C Scrubber is process equipment)		
Manufacturer:	Model number:	Installation date: 1972	
Type of Air Pollution Control Device:			
Baghouse/Fabric Filter	Venturi Scrubber	Multiclone	
Carbon Bed Adsorber	Packed Tower Scrubber	Single Cyclone	
Carbon Drum(s)X	Other Wet Scrubber	Cyclone Bank	
Catalytic Incinerator	Condenser	Settling Chamber	
Thermal Incinerator	Flare	Other (describe)	
Wet Plate Electrostatic Precipitator		Dry Plate Electrostatic Precipitator	
List the pollutants for which this device	ce is intended to control and the ca	pture and control efficiencies.	
Pollutant	Capture Efficiency	Control Efficiency	
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). D-161 scrubber is a piece of process equipment used to recover urea and cyanuric acid and return it to C Kiln. In the event of a malfunction with the ammonia burner, the process scrubber is switched from a urea scrubbing solution to captive water in order to control ammonia emissions and the process emissions are exhausted through an emergency scrubber.			
Is this device subject to the CAM requ	irements of 40 C.F.R. 64? Ye	s _X No	
If Yes, Complete ATTACHMENT H If No, Provide justification. D-161 C Scrubber is process equipment.			
Describe the parameters monitored and/or methods used to indicate performance of this control device.			

ATTACHMENT G - Air Pollution Control Device Form			
Control device ID number: F-164	List all emission units associated with this control device. F-161		
Manufacturer:	Model number:		Installation date: 1972
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	<u>X</u>	Other (describe) Afterburner
Wet Plate Electrostatic Precipitator]	Dry Plate Electrostatic Precipitator
List the pollutants for which this devi	ce is intended to control and t	he ca	pture and control efficiencies.
Pollutant	Capture Efficiency		Control Efficiency
Ammonia	99.990%		
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). (1) 5 million BTU/hr natural gas burner			
Is this device subject to the CAM requ	irements of 40 C.F.R. 64?	_Ye	s _XNo
If Yes, Complete ATTACHMENT HIf No, Provide justification.Not a major source			
Describe the parameters monitored and/or methods used to indicate performance of this control device.			

ATTACHMENT G - Air Pollution Control Device Form			
Control device ID number: D-1801	List all emission units associated with this control device. F-1801		
Manufacturer:	Model number:		Installation date: 07/01/1997
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	<u>X</u>	Other (describe) <u>Afterburner</u>
Wet Plate Electrostatic Precipitator]	Dry Plate Electrostatic Precipitator
List the pollutants for which this device	ce is intended to control and th	ne ca	pture and control efficiencies.
Pollutant	Capture Efficiency		Control Efficiency
Ammonia	99.990%		
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? YesX_ No If Yes, Complete ATTACHMENT H If No, Provide justification. Not a major source			
Describe the parameters monitored and/or methods used to indicate performance of this control device. Minimum operating temperature 950°C. Maximum operating temperature 1050 °C. Ammonia incinerator F-1804 shall maintain a minimum ammonia destruction efficiency of 98.7%			

ATTACHMENT G - Air Pollution Control Device Form			
Control device ID number: F-1804	List all emission units associated with this control device. F-1801		
Manufacturer: Process Combustion Corporation	Model number: Custom Designed	Installation date: MM/DD/1997	
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 <u>X</u>	Other (describe) <u>Afterburner</u>	
Wet Plate Electrostatic Precipitator		Dry Plate Electrostatic Precipitator	
List the pollutants for which this device	ce is intended to control and the ca	pture and control efficiencies.	
Pollutant	Capture Efficiency	Control Efficiency	
Ammonia	98.7%		
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). (1) 5 million Btu/hr natural gas burner			
Is this device subject to the CAM requ	irements of 40 C.F.R. 64? Ye	s <u>X</u> No	
If Yes, Complete ATTACHMENT H If No, Provide justification. Not a major source.			
Describe the parameters monitored an	nd/or methods used to indicate per	formance of this control device.	
Minimum Destruction Efficiency 98.7%			
The minimum operating temperature shall be 950 degrees Celsius.			
The maximum operating temperature shall be 1,050 degrees Celsius.			

ATTACHMENT G - Air Pollution Control Device Form				
Control device ID number: H-204	List all emission units associated with this control device. H-204 Barometric Condenser - Process Equipment			
Manufacturer:	Model number:	Installation date: 1989		
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 IncineratorX	Condenser	Settling Chamber		
Thermal Incinerator	Flare _	_Other (describe) <u>Afterburner</u>		
Wet Plate Electrostatic Precipitator	-	Dry Plate Electrostatic Precipitator		
List the pollutants for which this devi	ce is intended to control and the	capture and control efficiencies.		
Pollutant	Capture Efficiency	Control Efficiency		
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).				
Is this device subject to the CAM requ	Is this device subject to the CAM requirements of 40 C.F.R. 64? YesX_No			
If Yes, Complete ATTACHMENT H If No, Provide justification. Not a major source				
Describe the parameters monitored and/or methods used to indicate performance of this control device.				

ATTACHMENT G - Air Pollution Control Device Form			
Control device ID number: D-232	List all emission units associated with this control device. D-232 Scrubber is process equipment		
Manufacturer: Buffalo Forge	Model number:	Installation date: 1988	
Type of Air Pollution Control Device:			
Baghouse/Fabric FilterX_	Venturi Scrubber	Multiclone	
Carbon Bed Adsorber I	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	ce is intended to control and the ca	pture and control efficiencies.	
Pollutant	Capture Efficiency	Control Efficiency	
H2SO4			
Cyanuric Acid			
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? YesX_ No			
If No, Provide justification . D-232 Scrubber is process equipment			
Describe the parameters monitored and/or methods used to indicate performance of this control device. Weekly inspection during operation.			

ATTACHMENT G - Air Pollution Control Device Form			
Control device ID number: D-222	List all emission units associated with this control device. T-285, T-275, T-245, T-203, H-204, T-230, T-350, D-232,T-349,T-334,T-387,CE-301,CE-302, CE-321, CE-322, CE-324, CE-343,T-1204,T-234, T-301, C-301,C-302,C-303,C-321, C-322, C-343, C-344, C-345, T-388		
Manufacturer:	Model number:	Installation date:	
Bunalo Forge		1988	
Type of Air Pollution Control Device:			
Baghouse/Fabric Filter	Venturi Scrubber	Multiclone	
Carbon Bed AdsorberX_	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	1	Dry Plate Electrostatic Precipitator	
List the pollutants for which this devi	e is intended to control and the ca	pture and control efficiencies.	
Pollutant	Capture Efficiency	Control Efficiency	
Sulfuric Acid	100%	99.000%	
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 requ	iirements of 40 C.F.R. 64? Ye	s _X_ No	
If Yes, Complete ATTACHMENT H			
If No, Provide justification. Monitoring required by Title V permit R30-03900011-2014			
Describe the parameters monitored and/or methods used to indicate performance of this control device. Weekly inspection during operation.			

ATTACHMENT G - Air Pollution Control Device Form			
Control device ID number: S-8107	List all emission units associated with this control device. Y-9857, C-9856, CU-9855, CP-9854, T-9853, C-9852, T-9850, SP-9851		
Manufacturer:	Model number:	Installation date:	
Mikro Pul Div., US Filter Corp	133-8-100	MM/DD/1973	
Type of Air Pollution Control Device:			
<u>_X</u> 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	ce is intended to control and th	he capture and control efficiencies.	
Pollutant	Capture Efficiency	Control Efficiency	
PM10	99.990%	99.980%	
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). Fabric filter: medium temperature			
Is this device subject to the CAM requ	irements of 40 C.F.R. 64?	_Yes _X_ No	
If Yes, Complete ATTACHMENT H			
If No, Provide justification. Title V permit R30-03900011-2014 requires weekly inspections of the capture systems and baghouse (S-8107) during operation.			
Describe the parameters monitored and/or methods used to indicate performance of this control device. Visual inspection. Monitor blower (B-9860) amp to ensure that it does not exceed 25.1.			

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: D-336A	List all emission units associated with this control device. D-501, D- 541, D-562A, D-502B,T-732,CE-673,CE-734,CE-733,CE-732,CE- 731,C-731,C-732,C-737,C-736,C-734,C-735,D-570,Cl2 Unloading Rack, H-566,D-3136A,T-3136,I-700,T-700A,T-700B,T-7825,D-7827,T- 567,T-7811,T-7812,,T-769,T-700C,T-704,T-7826,T-740,T-7813B,T- 7804,CE-7802,T-7820,T-7821A,T-7821B,	
Manufacturer:	Model number:	Installation date: MM/DD/YYYY
Type of Air Pollution Control Device:		
Baghouse/Fabric Filter Carbon Bed Adsorber	Venturi Scrubber Packed Tower Scrubber	Multiclone Single Cyclone
Carbon Drum(s) X	Other Wet Scrubber	Cyclone Bank
Catalytic Incinerator	Condenser	Settling Chamber
Thermal Incinerator	Flare	Other (describe)
Wet Plate Electrostatic Precipitator		Dry Plate Electrostatic Precipitator
List the pollutants for which this devi	ce is intended to control and t	he capture and control efficiencies.
Pollutant	Capture Efficiency	Control Efficiency
Chlorine	97.98%	97.98%
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). Tray type gas absorption column		
Is this device subject to the CAM requirements of 40 C.F.R. 64? YesX No		
If Yes, Complete ATTACHMENT H If No, Provide justification . Weekly inspections of D-336A system during operation is required by Title V permit R30-03900011-2014.		
Describe the parameters monitored and/or methods used to indicate performance of this control device. During weekly inspections, the permittee shall monitor the circulation rate for the scrubber upper bed, circulation rate for the scrubber upper bed, and the percent sodium hydroxide in the scrubber lower bed.		

ATTACHMENT G - Air Pollution Control Device Form			
Control device ID number: S-832 (C-8320)	I device ID number: -832 (C-8320)List all emission units associated with this control device. F-831, C-833, C-831		
Manufacturer:	Model number:	Installation date: MM/DD/YYYY	
Type of Air Pollution Control Device:			
X Baghouse/Fabric Filter	Venturi Scrubber	Multiclone	
Carbon Bed Adsorber	Packed Tower Scrubber	Single Cyclone	
Carbon Drum(s)	Other Wet Scrubber	Cyclone Bank	
Catalytic Incinerator	Condenser	Settling Chamber	
Thermal Incinerator	Flare	Other (describe)	
Wet Plate Electrostatic Precipitator		Dry Plate Electrostatic Precipitator	
List the pollutants for which this devi	ce is intended to control and the c	apture and control efficiencies.	
Pollutant	Capture Efficiency	Control Efficiency	
PM-Total	99.990%	99.980%	
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 requ	iirements of 40 C.F.R. 64? Y	es _X_No	
If Yes, Complete ATTACHMENT H			
If No, Provide justification. Weekly inspections required by Title V permit R30-03900011-2014			
Describe the parameters monitored and/or methods used to indicate performance of this control device.			
Weekly inspection of the baghouse and associated capture system during operation. Monitor baghouse air flow rates - maximum 15,000 scfm, typical 10,000-11,000 scfm.			

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: S-831 (C-8310)	List all emission units associated with this control device. F-831,C-833, C-831	
Manufacturer:	Model number:	Installation date: 1986
Type of Air Pollution Control Device:		
X Baghouse/Fabric Filter	Venturi Scrubber	Multiclone
Carbon Bed Adsorber	Packed Tower Scrubber	Single Cyclone
Carbon Drum(s)	Other Wet Scrubber	Cyclone Bank
Catalytic Incinerator	Condenser	Settling Chamber
Thermal Incinerator	Flare	Other (describe)
Wet Plate Electrostatic Precipitator		Dry Plate Electrostatic Precipitator
List the pollutants for which this device	ce is intended to control and the ca	pture and control efficiencies.
Pollutant	Capture Efficiency	Control Efficiency
PM-Total	99.990%	99.980%
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).		
Fabric filter: medium temperature		
Is this device subject to the CAM requ	iirements of 40 C.F.R. 64? Ye	es _X_ No
If Yes, Complete ATTACHMENT H		
If No, Provide justification. Weekly inspections required by Title V permit R30-03900011-20014		
Describe the parameters monitored and/or methods used to indicate performance of this control device.		
Weekly inspection of the baghouse and associated capture system during operation. Monitor baghouse air flow rates - maximum 15,000 scfm, typical 10,000-11,000 scfm.		

ATTACHMENT G - Air Pollution Control Device Form			
Control device ID number: C-9540	List all emission units associated with this control device. H-831, T-801A, CP-905, CU-900, CU-951		
Manufacturer:	Model number:	Installation date: 1966	
Type of Air Pollution Control Device:			
<u>X</u> 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	ce is intended to control and the ca	pture and control efficiencies.	
Pollutant	Capture Efficiency	Control Efficiency	
PM-Total	99.990%	99.980%	
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). Fabric filter: medium temperature			
Is this device subject to the CAM requirements of 40 C.F.R. 64? YesX_ No If Yes, Complete ATTACHMENT H If No, Provide justification. Weekly inspections required by Title V permit R30-03900011-2014			
Describe the parameters monitored and/or methods used to indicate performance of this control device. Weekly inspection of the baghouse and associated capture system during operation. Monitor baghouse air flow rates - maximum 5000 scfm, typical 1890 scfm.			

ATTACHMENT G - Air Pollution Control Device Form			
Control device ID number: C-9580	List all emission units associated with this control device. H-953, SC-986A, SC-986B, SC-915, SC-914, SC-917, SC-918, T-915, T-914, T-917, Y-914, Y-915, Y-916, Y-917		
Manufacturer:	Model number:		Installation date:
			MM/DD/YYYY
Type of Air Pollution Control Device:			
<u>X</u> 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	ce is intended to control and t	the ca	pture and control efficiencies.
Pollutant	Capture Efficiency		Control Efficiency
Particulates	99.99%		
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). Fabric filter: medium temperature			
Is this device subject to the CAM requirements of 40 C.F.R. 64? YesX_ No If Yes, Complete ATTACHMENT H If No, Provide justification. Weekly inspections required by Title V permit R30-03900011-2014			
Describe the parameters monitored and/or methods used to indicate performance of this control device. Weekly inspection of the baghouse and associated capture system during operation. Monitor baghouse air flow rates - maximum 5000 scfm, typical 1520 scfm.			

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: C-8070	List all emission units associated with this control device. H-803, C-803, C-802	
Manufacturer:	Model number:	Installation date:
Aeropulse	133 R8WP	1995
Type of Air Pollution Control Device:		
<u>X</u> 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	ce is intended to control and the ca	pture and control efficiencies.
Pollutant	Capture Efficiency	Control Efficiency
PM-Total	99.990%	99.980%
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). Fabric filter: medium temperature		
Gas flow rate into collector 5000 acfm @ 212 deg F and 14 psia. Total cloth area 1287 ft ² . Operating air to cloth ratio 3.5 ft/min		
Is this device subject to the CAM requ	irements of 40 C.F.R. 64? Ye	s X No
If Yes, Complete ATTACHMENT H		
If No, Provide justification. Weekly inspections required by Title V permit R30-03900011-2014		
Describe the parameters monitored and/or methods used to indicate performance of this control device.		
Weekly inspection of the baghouse and associated capture system during operation. Monitor baghouse air flow rates - maximum 10,000 scfm, typical 4500 - 7500 scfm.		

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: C-8060	List all emission units associated with this control device. H-803, C-803, C-802	
Manufacturer:	Model number:	Installation date:
Aeropulse	133 R8WP	1995
Type of Air Pollution Control Device:		
<u>X</u> 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	ce is intended to control and the c	apture and control efficiencies.
Pollutant	Capture Efficiency	Control Efficiency
PM-Total	99.990%	99.980%
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). Fabric filter: medium temperature Gas flow rate into collector 5000 acfm @ 212 deg F and 14 psia. Total cloth area 1287 ft ² . Operating air to cloth ratio 3.5 ft/min		
Is this device subject to the CAM requirements of 40 C.F.R. 64? Yes _X_ No		
If Yes, Complete ATTACHMENT H		
If No, Provide justification.	Weekly inspections required by Titl	e V permit R30-03900011-2014
Describe the parameters monitored and/or methods used to indicate performance of this control device. Weekly inspection of the baghouse and associated capture system during operation. Monitor baghouse air flow rates - maximum 10,000 scfm, typical 4500 - 7500 scfm.		

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: C-9040	List all emission units associated with this control device. H-904, T-801, C-975, CU-971, CU-975	
Manufacturer:	Model number:	Installation date:
Aeropulse	133-R8WP	1995
Type of Air Pollution Control Device:		
<u>X</u> 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 devi	ce is intended to control and the ca	pture and control efficiencies.
Pollutant	Capture Efficiency	Control Efficiency
PM-Total	99.990%	99.980%
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). Fabric filter: medium temperature Gas flow rate into collector 2500 acfm @ 200 deg F and 13.2 psia. Total cloth area 1287 ft2. Operating air to cloth ratio 1.94 ft/min.		
Is this device subject to the CAM requirements of 40 C.F.R. 64? YesX_ No If Yes, Complete ATTACHMENT H If No, Provide justification. Weekly inspections required by Title V permit R30-03900011-2014		
Describe the parameters monitored and/or methods used to indicate performance of this control device. Weekly inspection of the baghouse and associated capture system during operation. Monitor baghouse air flow rates - maximum 5000 scfm, typical 2290 scfm.		

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: C-9780	List all emission units associated with this control device. SC-909A, SC-909B, SC-910B, T-987, Y-970A, Y-970B	
Manufacturer:	Model number:	Installation date:
Mikropul	133-8-100	1995
Type of Air Pollution Control Device:		
<u>_X</u> 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 devi	ce is intended to control and the ca	pture and control efficiencies.
Pollutant	Capture Efficiency	Control Efficiency
PM-Total	99.990%	99.980%
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). Fabric Filter: medium temperature Gas flow rate into collector 2500 acfm @ 200 deg F and 13.2 psia. Total cloth area 1287 ft2. Operating air to cloth ratio 1.94 ft/min.		
Is this device subject to the CAM requirements of 40 C.F.R. 64? YesX_ No If Yes, Complete ATTACHMENT H If No, Provide justification. Weekly inspections required by Title V permit R30-03900011-2014		
Describe the parameters monitored and/or methods used to indicate performance of this control device. Weekly inspection of the baghouse and associated capture system during operation. Monitor baghouse air flow rates - maximum 5000 scfm, typical 3290 scfm.		

Control device ID number: S-8104	List all emission units associated with this control device. T-9901, C-9903, DR-9904, H-9907, H-9908, H-9909, T-9906	
Manufacturer: Mikro Pul. Div., US Filter Corp	Model number:Installation date:133-8-100MM/DD/1973	
Type of Air Pollution Control Device:		
_X_Baghouse/Fabric Filter	Venturi Scrubber	Multiclone
Carbon Bed Adsorber	Packed Tower Scrubber	Single Cyclone
Carbon Drum(s)	Other Wet Scrubber	Cyclone Bank
Catalytic Incinerator	Condenser	Settling Chamber
Thermal Incinerator	Flare	Other (describe)
Wet Plate Electrostatic Precipitator		Dry Plate Electrostatic Precipitator
List the pollutants for which this devic	ce is intended to control and the ca	pture and control efficiencies.
Pollutant	Capture Efficiency	Control Efficiency
Particulates	99.99%	99.98%
 Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). Fabric filter: medium temperature Gas flow rate into collector 5740 acfm @ 175 deg F and 14.39 psia. Total cloth area 1237 ft2. Operating air to cloth ration 4.6 ft/min 		
Is this device subject to the CAM requ	iirements of 40 C.F.R. 64? Ye	s _X_No
If Yes, Complete ATTACHMENT HIf No, Provide justification.Weekly inspections required by Title V permit R30-03900011-2003		
Describe the parameters monitored and/or methods used to indicate performance of this control device. Weekly inspection of the baghouse and associated capture system during operation. During inspections the blower amps are monitored to ensure that it does not exceed 36.1.		