Received
April 22, 2020
WV DEP/Div of Air Quality

Division of Air Quality Permit Application Submittal

Please find attached a permit application for : Monongahela Power Company - Fort Martin Power Station - Maidsville, WV

[Company Name; Facility Location]

- DAQ Facility ID (for existing facilities only): 061-00001
- Current 45CSR13 and 45CSR30 (Title V) permits associated with this process (for existing facilities only): R30-06100001-2015, R13-2705, R13-2711A, R13-2729, G60-C006A

- Type of NSR Application (check all that apply):
  - ☐ Construction
  - ☐ Modification
  - ☐ Class I Administrative Update
  - ☐ Class II Administrative Update
  - ☐ Relocation
  - ☐ Temporary
  - ☐ Permit Determination

- Type of 45CSR30 (TITLE V) Application:
  - ☐ Title V Initial
  - ☑ Title V Renewal
  - ☐ Administrative Amendment**
  - ☐ Minor Modification**
  - ☐ Significant Modification**
  - ☐ Off Permit Change

****If the box above is checked, include the Title V revision information as ATTACHMENT S to the combined NSR/Title V application.**

- Payment Type:
  - ☐ Credit Card (Instructions to pay by credit card will be sent in the Application Status email.)
  - ☐ Check (Make checks payable to: WVDEP – Division of Air Quality)
    Mail checks to:
    WVDEP – DAQ – Permitting
    Attn: NSR Permitting Secretary
    601 57th Street, SE
    Charleston, WV 25304

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

- If the permit writer has any questions, please contact (all that apply):
  - ☑ Responsible Official/Authorized Representative
    - Name: Daniel L. Coldren
    - Email: dcoldre@firstenergycorp.com
    - Phone Number: 304-598-5250
  - ☑ Company Contact
    - Name: James A. Lefik
    - Email: jlefik@firstenergycorp.com
    - Phone Number: 724-838-6136
  - ☐ Consultant
    - Name:
    - Email:
    - Phone Number:

TITLE V OPERATING PERMIT

RENEWAL APPLICATION

CURRENT TITLE V PERMIT #R30-06100001-2015

MONONGAHELA POWER COMPANY
FORT MARTIN POWER STATION
MAIDSVILLE, WEST VIRGINIA

APRIL 2020

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WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF AIR QUALITY
601 57th Street SE
Charleston, WV 25304
Phone: (304) 926-0475
www.dep.wv.gov/daq

Received
April 22, 2020
WV DEP/Div of Air Quality

INITIAL/RENEWAL TITLE V PERMIT APPLICATION - GENERAL FORMS

Section 1: General Information

1. **Name of Applicant (As registered with the WV Secretary of State's Office):** **Monongahela Power Company**	**2. Facility Name or Location:** **Fort Martin Power Station**
3. DAQ Plant ID No.: **061-00001**	**4. Federal Employer ID No. (FEIN):** **23302048-1**

5. **Permit Application Type:**

☐ Initial Permit — When did operations commence? **1967**
☒ Permit Renewal — What is the expiration date of the existing permit? **11/02/2020**
☐ Update to Initial/Renewal Permit Application

6. Type of Business Entity: ☒ Corporation ☐ Governmental Agency ☐ LLC ☐ Partnership ☐ Limited Partnership	**7. Is the Applicant the:** ☐ Owner ☐ Operator ☒ Both If the Applicant is not both the owner and operator, please provide the name and address of the other party.
8. Number of onsite employees: **185**	

9. Governmental Code:

☒ Privately owned and operated; 0
☐ Federally owned and operated; 1
☐ State government owned and operated; 2
☐ County government owned and operated; 3
☐ Municipality government owned and operated; 4
☐ District government owned and operated; 5

10. Business Confidentiality Claims

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

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

11. Mailing Address		
Street or P.O. Box: **800 Cabin Hill Drive**		
City: **Greensburg**	**State:** **PA**	**Zip:** **15601**
Telephone Number: **(724) 838-6136**	**Fax Number:** **(234) 678-2384**	

12. Facility Location		
Street: **1732 Fort Martin Road**	**City:** **Maidsville**	**County:** **Monongalia**
UTM Easting: 591.91 km	**UTM Northing: 4,395.95** km	**Zone:** ☒ 17 or ☐ 18
Directions: From Morgantown, WV travel on WV-100 approximately 3.6 miles. Turn right onto State Route 53, continue to the power plant.		
Portable Source? ☐ Yes ☒ No		
Is facility located within a nonattainment area? ☐ Yes ☒ No		**If yes, for what air pollutants?**
Is facility located within 50 miles of another state? ☒ Yes ☐ No		**If yes, name the affected state(s).** **Pennsylvania, Ohio, Maryland**
Is facility located within 100 km of a Class I Area[1]? ☒ Yes ☐ No **If no, do emissions impact a Class I Area[1]?** ☐ Yes ☐ No		**If yes, name the area(s).** **Areas within 100 km:** **Dolly Sods Wilderness Area (88 km)** **Otter Creek Wilderness Area (76 km)**

[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: Daniel L. Coldren		**Title: Director, Fort Martin**
Street or P.O. Box: 1732 Fort Martin Road		
City: Maidsville	**State: WV**	**Zip: 26541**
Telephone Number: (304) 598-5250	**Fax Number: (304) 598-5252**	
E-mail address: dcoldre@firstenergycorp.com		
Environmental Contact: James A. Lefik		**Title: Engineer IV**
Street or P.O. Box: 800 Cabin Hill Drive		
City: Greensburg	**State: PA**	**Zip: 15601**
Telephone Number: (724) 838-6136	**Fax Number: (234) 678-2384**	
E-mail address: jlefik@firstenergycorp.com		
Application Preparer: James A. Lefik		**Title: Engineer IV**
Company: FirstEnergy Corp.		
Street or P.O. Box: 800 Cabin Hill Drive		
City: Greensburg	**State: PA**	**Zip: 15601**
Telephone Number: (724) 838-6136	**Fax Number: (234) 678-2384**	
E-mail address: jlefik@firstenergycorp.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
Electric Generation Service	**Fossil Fuel Electric Power Generation**	**221112**	**4911**

Provide a general description of operations.

The Fort Martin Power Station is a fossil fuel fired electric generation facility with two units (560 MW and 568 MW) and operates under Standard Industrial Classification (SIC) code 4911. The facility consists of a 4,984 MMBtu/hr (nominal) coal-fired boiler, a 4.983 MMBtu/hr (nominal) coal-fired boiler, two (2) 115.3 MMBtu/hr auxiliary boilers, two (2) 320 KW diesel-fired emergency generators, boiler-related lime handling, a gypsum production facility, and various supporting operations such as coal handling, ash handling, gypsum handling, wastewater treatment and various storage tanks with insignificant emissions. The facility has the potential to operate seven (7) days per week, twenty-four (24) hours per day and fifty-two (52) weeks per year.

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

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

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

Section 2: Applicable Requirements

18. Applicable Requirements Summary	
Instructions: Mark all applicable requirements.	
☒ SIP	☐ FIP
☒ Minor source NSR (45CSR13)	☐ PSD (45CSR14)
☒ NESHAP (45CSR34)	☐ Nonattainment NSR (45CSR19)
☐ Section 111 NSPS	☒ Section 112(d) MACT standards
☐ Section 112(g) Case-by-case MACT	☐ 112(r) RMP
☐ Section 112(i) Early reduction of HAP	☐ Consumer/commercial prod. reqts., section 183(e)
☐ Section 129 Standards/Reqts.	☒ Stratospheric ozone (Title VI)
☐ Tank vessel reqt., section 183(f)	☐ Emissions cap 45CSR§30-2.6.1
☐ NAAQS, increments or visibility (temp. sources)	☐ 45CSR27 State enforceable only rule
☒ 45CSR4 State enforceable only rule	☒ Acid Rain (Title IV, 45CSR33)
☐ Emissions Trading and Banking (45CSR28)	☒ Compliance Assurance Monitoring (40CFR64)
☒ 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.

45CSR5 - Rule to Prevent and Control Air Pollution from the Operation of Coal Preparation Plants, Coal Handling Operations, and Coal Disposal Areas is not applicable to the facility because 45CSR2 is applicable as per 45CSR§§5-2.4.b, 2.14.

45CSR§10-8 - The auxiliary boilers burn distillate fuel only and, and therefore are exempt as per 45CSR§10-10.3.

45CSR17 - Rule to Prevent and Control Particulate Matter Air Pollution from Material Handling, Preparation, Storage, and Other Sources of Fugitive Particulate Matter is not applicable because 45CSR2 is applicable, as stated in Section 6.1 of 45CSR17.

40 CFR Part 60, Subpart Da - Boilers B1 and B2 commenced construction prior to September 18, 1978.

40 CFR Part 60, Subpart K – The facility does not have any tanks storing petroleum liquids (as defined in 40 CFR §60.111) that were constructed after June 11, 1973 and prior to May 19, 1978 or exceed 40,000 gallons in capacity.

40 CFR Part 60, Subpart Ka – The facility does not have any tanks storing petroleum liquids as defined in 40 CFR §60.111.a that were constructed after May 18, 1978 and prior to July 23, 1984 or exceed 40,000 gallons in capacity.

40 CFR Part 60, Subpart Kb – The facility has no tanks that were constructed after July 23, 1984 that (a) exceed 75 m^3 (19,813 Gal) in capacity and store a volatile organic liquid (as defined in 40 CFR §60.111b), (b) have a design capacity greater than or equal to 75 m^3 but less than 151 m^3 storing a liquid with a maximum true vapor pressure greater than or equal to 15.0 kPa (2.18 psia) or (c) exceed 151 m^3 (39,864 Gal) in capacity and store a volatile organic liquid with a maximum true vapor pressure greater than or equal to 3.5 kPa (0.51 psia).

40 CFR Part 63, Subpart Q – The facility's cooling towers were constructed and in operation prior to September 8, 1994.

☒ Permit Shield

20. Facility-Wide Applicable Requirements

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

45CSR2: Control of Particulate matter emissions from indirect heat exchangers
45CSR6: Open burning prohibited
45CSR7: Control of Particulate from Manufacturing Source Operations
45CSR10: Control of sulfur dioxide emissions from in direct heat exchangers
45CSR11: Standby plans for emergency episodes.
45CSR13: Permit for construction, modification
45CSR16: Standard of Performance for New Stationary Sources Pursuant to 40 CFR Part 60
WVCode§22-5-4 (a)(14): Secretary can request any pertinent information.
45CSR30: Operating permit requirement
45CSR33: Acid Rain Provisions and Permits
45CSR34: Emission Standards for Hazardous Air Pollutants
40 CFR Part 61: Asbestos inspection and removal
40 CFR Part 64: Compliance Assurance Monitoring
40 CFR Part 63 Subpart DDDDD: National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters
40 CFR Part 63 Subpart UUUUU: National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units
40 CFR Part 60, Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
40 CFR Part 63, Subpart ZZZZ: National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
40 CFR Part 72: Permits Regulation
40 CFR Part 74: Sulfur dioxide Opt-ins
40 CFR Part 75: Continuous Emissions Monitoring
40 CFR Part 76: Nitrogen Oxides Reduction Program
40 CFR Part 77: Excess Emissions
40 CFR Part 78: Acid Rain Program appeal procedure
40 CFR Part 82, Subpart F: Ozone depleting substances
State Only: 45CSR4: No objectionable odors
45CSR39: NOx Annual Trading Program
45CSR40: NO_x Ozone Season Trading Program
45CSR41: SO_2 Trading Program

☒ 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.)

45CSR2: monitoring/testing/recordkeeping/reporting
45CSR6: recordkeeping
45CSR7: recordkeeping
45CSR10: monitoring/recordkeeping
45CSR11: recordkeeping
45CSR13: recordkeeping/reporting
45CSR16: recordkeeping
WVCode§22-5-4 (a)(14): recordkeeping/reporting
45CSR30: monitoring/testing/recordkeeping/reporting
45CSR33: monitoring/testing/recordkeeping/reporting
45CSR34: monitoring/testing/recordkeeping/reporting
40 CFR Part 61: recordkeeping
40 CFR Part 64: monitoring/recordkeeping/reporting
40 CFR Part 63 Subpart DDDDD: monitoring/testing/recordkeeping/reporting
40 CFR Part 63 Subpart UUUUU: monitoring/testing/recordkeeping/reporting
40 CFR Part 60, Subpart IIII: monitoring/recordkeeping
40 CFR Part 63, Subpart ZZZZ: monitoring/recordkeeping
40 CFR Part 72: recordkeeping/reporting
40 CFR Part 74: recordkeeping/reporting
40 CFR Part 75: monitoring/testing/recordkeeping/reporting
40 CFR Part 76: monitoring/recordkeeping
40 CFR Part 77: monitoring/recordkeeping/reporting
40 CFR Part 78: monitoring/recordkeeping
40 CFR Part 82, Subpart F: testing/recordkeeping
State Only: 45CSR4: monitoring/recordkeeping
45CSR39: monitoring/recordkeeping/reporting
45CSR40: monitoring/recordkeeping/reporting
45CSR41: monitoring/recordkeeping/reporting

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

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

21. Active Permits/Consent Orders		
Permit or Consent Order Number	Date of Issuance MM/DD/YYYY	List any Permit Determinations that Affect the Permit *(if any)*
R13-2705 (Auxiliary Boilers)	**06/22/2007**	
R13-2711A (Lime/Gypsum Materials Handling)	**11/14/2007**	
R13-2729 (Coal Crusher)	**02/07/2008**	
G60-C006A (Emergency Quench Pumps)	**01/10/2011**	
	06/04/2003	**PD03-045 (Bottom Ash Screening)**
	05/04/2004	**PD04-037 (SNCR installation)**
	05/09/2005	**PD05-036 (water cannons on Boilers 1 and 2)**
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22. Inactive Permits/Obsolete Permit Conditions		
Permit Number	Date of Issuance	Permit Condition Number
R13-2587T (temp coal crusher)	**07/28/2004**	**N/A**
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Section 3: Facility-Wide Emissions

23. Facility-Wide Emissions Summary [Tons per Year]	
Criteria Pollutants	Potential Emissions
Carbon Monoxide (CO)	915.8
Nitrogen Oxides (NO_X)	23,596.2
Lead (Pb)	0.064
Particulate Matter ($PM_{2.5}$)[1]	830.8
Particulate Matter (PM_{10})[1]	2,413.1
Total Particulate Matter (TSP)	4,651.3
Sulfur Dioxide (SO_2)	135,391.6
Volatile Organic Compounds (VOC)	127.1
Hazardous Air Pollutants[2]	Potential Emissions
Antimony	0.005
Arsenic	0.054
Beryllium	0.002
Cadmium	0.017
Chromium	0.124
Cobalt	0.003
Manganese	0.183
Mercury	0.302
Nickel	0.150
Selenium	4.44
Hydrochloric Acid (HCl)	1,828.4
Hydrogen Fluoride (HF)	234.3
Sulfuric Acid (H_2SO_4)	289.9
Dioxin Compounds	0.0000032
Polycyclic Aromatic Compounds	0.00408
Acetaldehyde	1.04
Acrolein	0.53
Benzene	2.37

Benzyl Chloride	1.27
Cyanide Compounds	4.55
Formaldehyde	0.47
Isophorone	1.06
Methyl Bromide	0.29
Methyl Chloride	0.96
Methyl Ethyl Ketone	0.71
Methyl Hydrazine	0.31
Methylene Chloride	0.53
Propionaldehyde	0.69
Toluene	0.44
Greenhouse Gases (GHGs)	Potential Emissions
Carbon Dioxide (CO_2)	9,009,803
Nitrous Oxide (N_2O)	154.2
Methane (CH_4)	97.0
Hydrofluorocarbons (HFCs)	0
Perfluorocarbons (PFCs)	0
Sulfur hexafluoride (SF_6)	0
CO_2 equivalent (CO_2e)	9,059,629

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

Section 4: Insignificant Activities

24. Insignificant Activities (Check all that apply)		
☒	1.	Air compressors and pneumatically operated equipment, including hand tools.
☒	2.	Air contaminant detectors or recorders, combustion controllers or shutoffs.
☒	3.	Any consumer product used in the same manner as in normal consumer use, provided the use results in a duration and frequency of exposure which are not greater than those experienced by consumer, and which may include, but not be limited to, personal use items; janitorial cleaning supplies, office supplies and supplies to maintain copying equipment.
☒	4.	Bathroom/toilet vent emissions.
☒	5.	Batteries and battery charging stations, except at battery manufacturing plants.
☒	6.	Bench-scale laboratory equipment used for physical or chemical analysis, but not lab fume hoods or vents. Many lab fume hoods or vents might qualify for treatment as insignificant (depending on the applicable SIP) or be grouped together for purposes of description.
☐	7.	Blacksmith forges.
☒	8.	Boiler water treatment operations, not including cooling towers.
☒	9.	Brazing, soldering or welding equipment used as an auxiliary to the principal equipment at the source.
☐	10.	CO_2 lasers, used only on metals and other materials which do not emit HAP in the process.
☒	11.	Combustion emissions from propulsion of mobile sources, except for vessel emissions from Outer Continental Shelf sources.
☒	12.	Combustion units designed and used exclusively for comfort heating that use liquid petroleum gas or natural gas as fuel.
☒	13.	Comfort air conditioning or ventilation systems not used to remove air contaminants generated by or released from specific units of equipment.
☒	14.	Demineralized water tanks and demineralizer vents.
☐	15.	Drop hammers or hydraulic presses for forging or metalworking.
☒	16.	Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam.
☐	17.	Emergency (backup) electrical generators at residential locations.
☐	18.	Emergency road flares.
☒	19.	Emission units which do not have any applicable requirements and which emit criteria pollutants (CO, NO_x, SO_2, VOC and PM) into the atmosphere at a rate of less than 1 pound per hour and less than 10,000 pounds per year aggregate total for each criteria pollutant from all emission units. Please specify all emission units for which this exemption applies along with the quantity of criteria pollutants emitted on an hourly and annual basis: Insignificant tanks – negligible VOC emissions

24. Insignificant Activities (Check all that apply)		
☐	20.	Emission units which do not have any applicable requirements, and which emit hazardous air pollutants into the atmosphere at a rate of less than 0.1 pounds per hour and less than 1,000 pounds per year aggregate total for all HAPs from all emission sources. This limitation cannot be used for any source which emits dioxin/furans nor for toxic air pollutants as per 45CSR27. Please specify all emission units for which this exemption applies along with the quantity of hazardous air pollutants emitted on an hourly and annual basis: _____ _____ _____ _____ _____
☐	21.	Environmental chambers not using hazardous air pollutant (HAP) gases.
☒	22.	Equipment on the premises of industrial and manufacturing operations used solely for the purpose of preparing food for human consumption.
☐	23.	Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.
☒	24.	Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis.
☐	25.	Equipment used for surface coating, painting, dipping or spray operations, except those that will emit VOC or HAP.
☒	26.	Fire suppression systems.
☒	27.	Firefighting equipment and the equipment used to train firefighters.
☐	28.	Flares used solely to indicate danger to the public.
☒	29.	Fugitive emission related to movement of passenger vehicle provided the emissions are not counted for applicability purposes and any required fugitive dust control plan or its equivalent is submitted.
☐	30.	Hand-held applicator equipment for hot melt adhesives with no VOC in the adhesive formulation.
☒	31.	Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning or machining wood, metal or plastic.
☐	32.	Humidity chambers.
☒	33.	Hydraulic and hydrostatic testing equipment.
☒	34.	Indoor or outdoor kerosene heaters.
☒	35.	Internal combustion engines used for landscaping purposes.
☐	36.	Laser trimmers using dust collection to prevent fugitive emissions.
☒	37.	Laundry activities, except for dry-cleaning and steam boilers.
☐	38.	Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.
☒	39.	Oxygen scavenging (de-aeration) of water.
☒	40.	Ozone generators.
☒	41.	Plant maintenance and upkeep activities (e.g., grounds-keeping, general repairs, cleaning, painting, welding, plumbing, re-tarring roofs, installing insulation, and paving parking lots) provided these activities are not conducted as part of a manufacturing process, are not related to the source's primary business activity, and not otherwise triggering a permit modification. (Cleaning and painting activities qualify if they are not subject to VOC or HAP control requirements. Asphalt batch plant

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

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

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

Section 6: Certification of Information

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

*Note: This Certification must be signed by a responsible official. 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: **Daniel L. Coldren**	Title: **Director, Fort Martin Power Station**

Responsible official's signature:

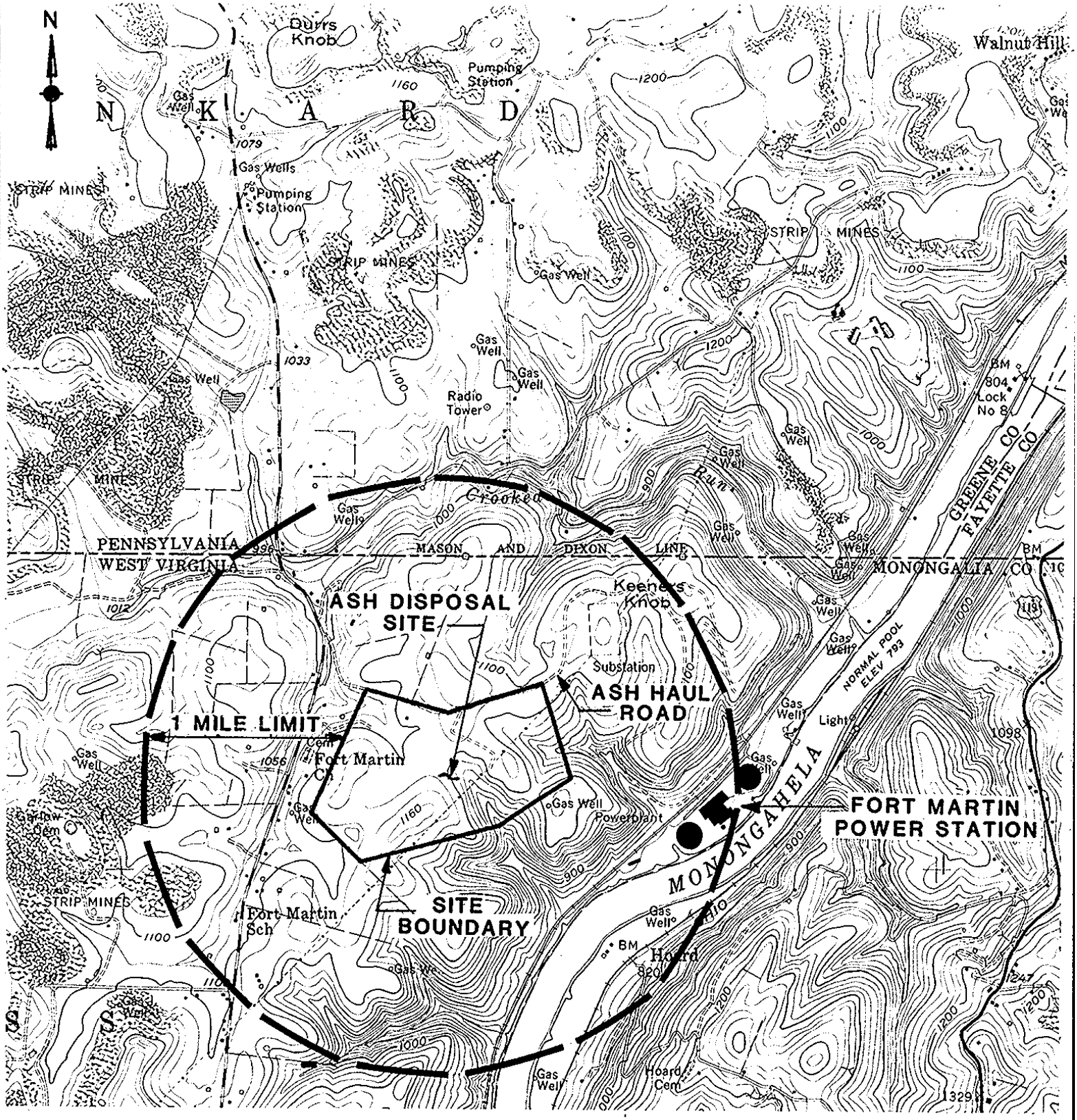
Signature: Daniel L Coldren (Must be signed and dated in blue ink) Signature Date: 4/14/2020

Note: Please check all applicable attachments included with this permit application:	
☒	ATTACHMENT A: Area Map
☒	ATTACHMENT B: Plot Plan(s)
☒	ATTACHMENT C: Process Flow Diagram(s)
☒	ATTACHMENT D: Equipment Table
☒	ATTACHMENT E: Emission Unit Form(s)
☐	ATTACHMENT F: Schedule of Compliance Form(s)
☒	ATTACHMENT G: Air Pollution Control Device Form(s)
☐	ATTACHMENT H: Compliance Assurance Monitoring (CAM) Form(s)

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

ATTACHMENT A

FACILTY AREA & TOPO MAPS



REFERENCE:

U.S.G.S. 7.5' Topographic Map; Morgantown North, W.VA.-PA. Quadrangle; Dated 1960, Photorevised 1976.

PERMIT DRAWING - NOT TO BE CHANGED UNLESS AUTHORIZED BY PERMITTING AND LICENSING, ENVIROMENTAL SERVICES GROUP

SE TECHNOLOGIES
98 VANADIUM ROAD
BRIDGEVILLE, PA 15017
(412) 221-1100 • (800) 685-0354

ALLEGHENY POWER SYSTEM
FORT MARTIN POWER STATION
TITLE V PERMIT DRAWINGS
SITE LOCATION PLAN

DWN. BY:	CAD FILE:	SCALE:	DATE:	DRAWING No.	REV.
CHKD. BY:		1"=2000'	6/4/96	L6910001	A

Drawing L6910001

Fort Martin Power Station

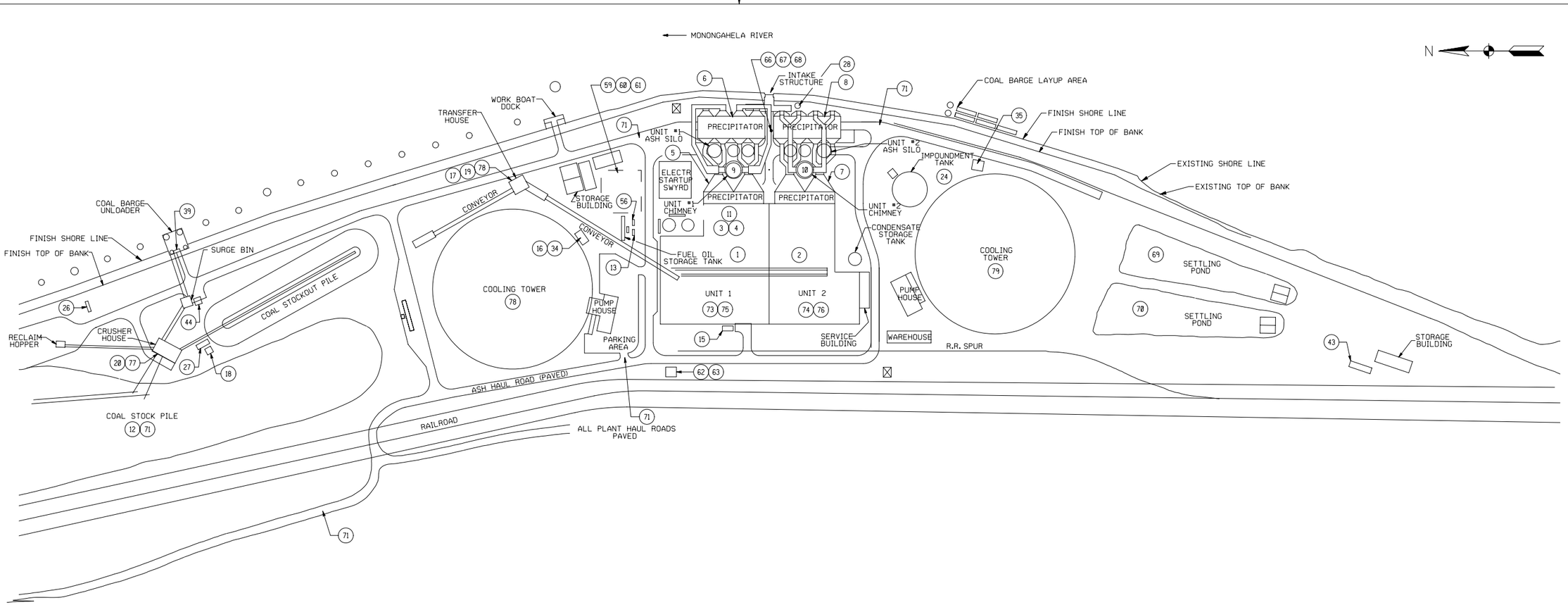
0 500 1000 ft

1" = 2,083.33 ft

Scale: 1 : 25,000 Zoom Level: 13.0 Datum: WGS84

ATTACHMENT B

FACILTY PLOT PLANS



EMISSION POINT/ITEM No. IDENTIFICATION LIST

ITEM No.	LOCAL I.D.	DESCRIPTION	SUBSTANCE STORED OR EMITTED	COMMENTS
1	BOILER 1	COMBUSTION ENGINEERING BOILER No.1	FLUE GAS	
2	BOILER 2	BABCOCK & WILCOX BOILER No. 2	FLUE GAS	
3	AUX. BLR. 1A	C-E AUXILIARY BOILER No. 1A	FLUE GAS	
4	AUX. BLR. 1B	C-E AUXILIARY BOILER No. 1B	FLUE GAS	
5	ESP *1P	U.O.P.J UNIT 1 PRIMARY PRECIPITATOR	FLUE GAS	(UNIVERSAL OIL PRODUCTS)
6	ESP *1S	BELCO UNIT 1 SECONDARY PRECIPITATOR	FLUE GAS	
7	ESP *2P	U.O.P.J UNIT 2 PRIMARY PRECIPITATOR	FLUE GAS	(UNIVERSAL OIL PRODUCTS)
8	ESP *2S	BELCO UNIT 2 SECONDARY PRECIPITATOR	FLUE GAS	
9	STACK 1	BOILER No. 1 STACK	FLUE GAS	
10	STACK 2	BOILER No. 2 STACK	FLUE GAS	
11	STACK 1A	AUX. BOILER STACK - BLRS. 1A & 1B	FLUE GAS	
12	STOCKPILES	COAL STOCKPILE	FUGITIVE COAL DUST	
13 *	A5FM	SULFURIC ACID BULK STORAGE	H2SO4	
14 *	A6FM	UNIT 2 SULFURIC ACID DAY TANK	H2SO4	SEE NOTE 1
15 *	A7FM	ANHYDROUS AMMONIA STORAGE TANK	AMMONIA	
16 *	A8FM	B CONVEYOR GLYCOL TANK	ETHYLENE GLYCOL	SEE NOTE 1
17 *	A12FM	XFER HOUSE 3RD FLR GLYCOL STORAGE TANK	ETHYLENE GLYCOL	
18 *	A13FM	STACKER FDR BLT GLYCOL STORAGE TANK	ETHYLENE GLYCOL	
19 *	A14FM	XFER HOUSE GND FLR GLYCOL STORAGE TANK	ETHYLENE GLYCOL	
20 *	A15FM	BRKR RM 3RD FLR GLYCOL STORAGE TANK	ETHYLENE GLYCOL	
21 *	A16FM	UNIT 1 HEAD TANK GLYCOL STORAGE TANK	ETHYLENE GLYCOL	SEE NOTE 1
22 *	A17FM	UNIT 2 HEAD TANK GLYCOL STORAGE TANK	ETHYLENE GLYCOL	SEE NOTE 1
23 *	A18FM	GLYCOL BULK STORAGE TANK	ETHYLENE GLYCOL	SEE NOTE 1
24 *	A21FM	IMPOUND TANK	BOILER CLEANING CHEMICALS	
25 *	A22FM	EM. DIESEL GEN. No. 2 FUEL OIL STOR. TNK.	No. 2 FUEL OIL	SEE NOTE 1
26 *	A23FM	DOZER No. 2 FUEL OIL STORAGE TANK	No. 2 FUEL OIL	
27 *	A24FM	COAL HANDLING FUEL OIL STORAGE TANK	GASOLINE/DIESEL FUEL	
28 *	A25FM	EMERG. FIRE PMP No. 2 FUEL OIL STOR. TANK	No. 2 FUEL OIL	
29 *	A26FM	UNIT 1 TURBINE OIL STORAGE TANK	TURBINE OIL	SEE NOTE 1
30 *	A27FM	UNIT 2 TURBINE OIL STORAGE TANK	TURBINE OIL	SEE NOTE 1
31 *	A28FM	UNIT 1 TURBINE OIL RESERVOIR	TURBINE OIL	SEE NOTE 1
32 *	A29FM	UNIT 2 TURBINE OIL RESERVOIR	TURBINE OIL	SEE NOTE 1
33 *	A30FM	WASTE OIL	WASTE OIL	SEE NOTE 1
34 *	A31FM	COOLING TWR. TRTMNT., CHEM. #1 TANK	PLC-930	
35 *	A32FM	COOLING TWR. TRTMNT., CHEM. #2 TANK	PLC-30	
36 *	A34FM	SULFURIC ACID DAY TANK, DEMINERALIZATION	H2SO4	SEE NOTE 1
37 *	A35FM	MAGNESIUM HYDROXIDE TANK, WASTEWATER	MA(OH)2	
38 *	A37FM	UNIT 1 BOILER FEED PUMP TURB. OIL RESERV.	TUBINE OIL	SEE NOTE 1
39 *	A38FM	BARGE UNLOADER GLYCOL STORAGE TANK	ETHYLENE GLYCOL	
40 *	A39FM	EM. DIESEL GEN. No. 2 FUEL OIL TANK	No. 2 FUEL OIL	SEE NOTE 1
41 *	A49FM	UNIT 2 BOILER FEED PUMP TURB. OIL RESERV.	TURBINE OIL	SEE NOTE 1
42 *	A52FM	SULFURIC ACID DAY TANK, UNIT 1 DEMIN.	H2SO4	SEE NOTE 1
43 *	A53FM	GLYCOL STORAGE TANK	ETHYLENE GLYCOL	
44 *	A54FM	KEROSENE STORAGE TANK, COAL HANDLING	KEROSENE	
45 *	A55FM	BOILER FEED PUMP TURB. OIL RESERV. 1A	TURBINE OIL	SEE NOTE 1
46 *	A56FM	BOILER FEED PUMP TURB. OIL RESERV. 1B	TURBINE OIL	SEE NOTE 1
47 *	A57FM	BOILER FEED PUMP TURB. OIL RESERV. 2A	TURBINE OIL	SEE NOTE 1
48 *	A58FM	BOILER FEED PUMP TURB. OIL RESERV. 2B	TURBINE OIL	SEE NOTE 1
49 *	A59FM	UNIT 1 TURBINE OIL FILTER	TURBINE OIL	SEE NOTE 1
50 *	A60FM	UNIT 2 TURBINE OIL FILTER	TURBINE OIL	SEE NOTE 1
51 *	A61FM	No. 1 COOLING TOWER CHEMICAL TANK	MICROBIOCIDE	SEE NOTE 1

EMISSION POINT/ITEM No. IDENTIFICATION LIST

ITEM No.	LOCAL I.D.	DESCRIPTION	SUBSTANCE STORED OR EMITTED	COMMENTS
52 *	A62FM	No. 2 COOLING TOWER CHEMICAL TANK	MICROBIOCIDE	SEE NOTE 1
53 *	A63FM	No. 1 COOLING TOWER CHEMICAL TANK	NALCO 1314	SEE NOTE 1
54 *	A64FM	No. 2 COOLING TOWER CHEMICAL TANK	NALCO 1314	SEE NOTE 1
55 *	A65FM	CAUSTIC STORAGE DAY TANK	NAOH	SEE NOTE 1
56 *	A66FM	CAUSTIC BULK STORAGE TANK	NAOH	
57 *	A67FM	FUEL OIL PUMP PRIMING TANK	No. 2 FUEL OIL	SEE NOTE 1
58 *	A68FM	WASTE SOLVENT TANK	WASTE OIL	SEE NOTE 1
59	U1FM	No. 2 FUEL OIL STORAGE TANK	No. 2 FUEL OIL	
60	U2FM	No. 2 FUEL OIL STORAGE TANK	No. 2 FUEL OIL	
61	U3FM	No. 2 FUEL OIL STORAGE TANK	No. 2 FUEL OIL	
62	U7FM	GASOLINE STORAGE TANK	GASOLINE	
63 *	U8FM	KEROSENE STORAGE TANK	KEROSENE	
64	E.D. GEN. 1	EMERGENCY DIESEL GENERATOR No. 1	EXHAUST FUMES	SEE NOTE 1
65	E.D. GEN. 2	EMERGENCY DIESEL GENERATOR No. 2	EXHAUST FUMES	SEE NOTE 1
66 *	WASTEWATER	NEUTRALIZATION SUMP	WASTE WATER	
67 *	WASTEWATER	GRIT SETTLING BASIN	WASTE WATER	
68 *	WASTEWATER	FINES SETTLING BASIN	WASTE WATER	
69 *	WASTEWATER	LAGOON No. 1	WASTE WATER	
70 *	WASTEWATER	LAGOON No. 2	WASTE WATER	
71	MAT. HAND., ROADS, STOCK PILES, COOLING TR.	FUGITIVE DUST EMISSION POINTS	FUGITIVE DUST	
72 *	KEROSENE HEATERS	SPACE HEATERS	EXHAUST FUMES	SEE NOTE 1
73	#1 SILO CT.	UNIT 1 COAL SILO VENTING ROTOCLONE	FUGITIVE COAL DUST	SEE NOTE 1
74	#2 SILO CT.	UNIT 2 COAL SILO VENTING ROTOCLONE	FUGITIVE COAL DUST	SEE NOTE 1
75	#1 SILO FR.	UNIT 1 COAL SILO FILTER SYSTEM	FUGITIVE COAL DUST	SEE NOTE 1
76	#2 SILO FR.	UNIT 2 COAL SILO FILTER SYSTEM	FUGITIVE COAL DUST	SEE NOTE 1
77	B.B. FR.	BREAKER BUILDING FILTER SYSTEM	FUGITIVE COAL DUST	
78	COOL. TR. 1	UNIT No. 1 COOLING TOWER	FUGITIVE DUST	
79	COOL. TR. 2	UNIT No. 2 COOLING TOWER	FUGITIVE DUST	
80 *	HYDROGEN EMISSION POINTS	HYDROGEN EXHAUST POINTS	HYDROGEN	SEE NOTE 1

* INSIGNIFICANT ACTIVITY

NOTES:

1. EQUIPMENT LOCATED INSIDE PLANT, NOT SHOWN FOR CLARITY.
2. TANK VENTS AT LOCATIONS INDICATED FOR TANKS.
3. FUGITIVE EMISSIONS INCLUDE ROADS, STOCK PILE, MATERIAL HANDLING AND COOLING TOWER. THESE EMISSION POINTS ARE NOTED WITH NUMBER (71).
4. DIESEL GENERATOR VENT AT LOCATION INDICATED FOR GENERATOR.
5. SEE DRAWING No. L6950002 FOR ASH DISPOSAL SITE (INCLUDES ROAD AND EMISSIONS NOTED AS FUGITIVE DUST EMISSION POINT 71).

50 0 50 100 150 200
GRAPHIC SCALE

SET PROJECT NO.	REV.	DESCRIPTION	BY	DATE
960244	1			
INT. REV. NO. / REV. DATE	2			
IGDS NO. $$$$$$$$$$DGN#SPEC$$$$$$$$$	3			
PLOT DATE AND TIME	4			
$$$$DATE$$$ $TIME	5			
	6			

SEAL

NOTICE THIS DRAWING ISSUED FOR:
- ☐ INFORMATION/REFERENCE
- ☐ APPROVAL
- ☐ PROCUREMENT
- ☐ BID
- ☐ CONSTRUCTION/FABRICATION

REV	DATE

DRAWN BY: RCH
DATE: 6-4-96
CHECKED BY:
ENGR. APPROVAL:
PROJECT MANAGER APPROVAL:
DRAWING SCALE 1" = 100'-0"

SE TECHNOLOGIES
98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100

ALLEGHENY POWER SYSTEM

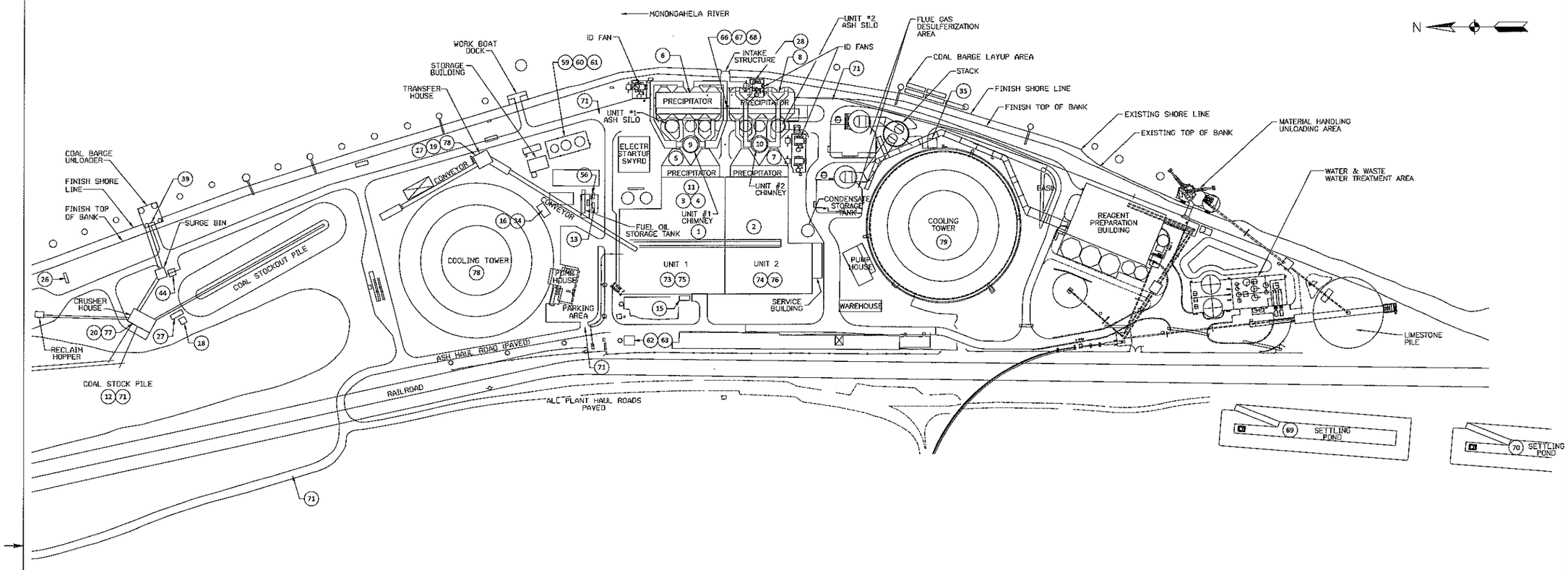
FORT MARTIN POWER STATION

MONONGAHELA POWER COMPANY | WEST PENN POWER COMPANY | THE POTOMAC EDISON COMPANY

TITLE V PERMIT DRAWINGS
SITE PLOT PLAN

CONSTRUCTION SPEC. No.	DRAWING No.	REV.
	L6950001	A

Drawing L6950001



EMISSION POINT/ITEM No. IDENTIFICATION LIST

ITEM No.	LOCAL I.D.	DESCRIPTION	SUBSTANCE STORED OR EMITTED	COMMENTS
1	BOILER 1	COMBUSTION ENGINEERING BOILER No. 1	FLUE GAS	
2	BOILER 2	BABCOCK & WILCOX BOILER No. 2	FLUE GAS	
3	AUX. BLR. 1A	C-E AUXILIARY BOILER No. 1A	FLUE GAS	
4	AUX. BLR. 1B	C-E AUXILIARY BOILER No. 1B	FLUE GAS	
5	ESP *1P	(U.O.P.) UNIT 1 PRIMARY PRECIPITATOR	FLUE GAS	(UNIVERSAL OIL PRODUCTS)
6	ESP *1S	BELCO UNIT 1 SECONDARY PRECIPITATOR	FLUE GAS	
7	ESP *2P	(U.O.P.) UNIT 2 PRIMARY PRECIPITATOR	FLUE GAS	(UNIVERSAL OIL PRODUCTS)
8	ESP *2S	BELCO UNIT 2 SECONDARY PRECIPITATOR	FLUE GAS	
9	STACK 1	BOILER No. 1 STACK	FLUE GAS	
10	STACK 2	BOILER No. 2 STACK	FLUE GAS	
11	STACK 1A	AUX. BOILER STACK - BLRS. 1A & 1B	FLUE GAS	
12	STOCKPILES	COAL STOCKPILE	FUGITIVE COAL DUST	
13*	A5FM	SULFURIC ACID BULK STORAGE	H2SO4	
14*	A6FM	UNIT 2 SULFURIC ACID DAY TANK	H2SO4	SEE NOTE 1
15*	A7FM	ANHYDROUS AMMONIA STORAGE TANK	AMMONIA	
16*	A8FM	B CONVEYOR GLYCOL TANK	ETHYLENE GLYCOL	SEE NOTE 1
17*	A12FM	XFER HOUSE 3RD FLR GLYCOL STORAGE TANK	ETHYLENE GLYCOL	
18*	A13FM	STACKER FOR BLT GLYCOL STORAGE TANK	ETHYLENE GLYCOL	
19*	A14FM	XFER HOUSE GND FLR GLYCOL STORAGE TANK	ETHYLENE GLYCOL	
20*	A15FM	BRKR RM 3RD FLR GLYCOL STORAGE TANK	ETHYLENE GLYCOL	
21*	A16FM	UNIT 1 HEAD TANK GLYCOL STORAGE TANK	ETHYLENE GLYCOL	SEE NOTE 1
22*	A17FM	UNIT 2 HEAD TANK GLYCOL STORAGE TANK	ETHYLENE GLYCOL	SEE NOTE 1
23*	A18FM	GLYCOL BULK STORAGE TANK	ETHYLENE GLYCOL	SEE NOTE 1
24*	A21FM	IMPOUND TANK REMOVED		REMOVED
25*	A22FM	EM. DIESEL GEN. No. 2 FUEL OIL STOR. TNK.	No. 2 FUEL OIL	SEE NOTE 1
26*	A23FM	DOZER No. 2 FUEL OIL STORAGE TANK	No. 2 FUEL OIL	
27*	A24FM	COAL HANDLING FUEL OIL STORAGE TANK	GASOLINE/DIESEL FUEL	
28*	A25FM	EMERG. FIRE PMP No. 2 FUEL OIL STOR. TANK	No. 2 FUEL OIL	
29*	A26FM	UNIT 1 TURBINE OIL STORAGE TANK	TURBINE OIL	SEE NOTE 1
30*	A27FM	UNIT 2 TURBINE OIL STORAGE TANK	TURBINE OIL	SEE NOTE 1
31*	A28FM	UNIT 1 TURBINE OIL RESERVOIR	TURBINE OIL	SEE NOTE 1
32*	A29FM	UNIT 2 TURBINE OIL RESERVOIR	TURBINE OIL	SEE NOTE 1
33*	A30FM	WASTE OIL	WASTE OIL	SEE NOTE 1
34*	A31FM	COOLING TWR. TRTMNT., CHEM. #1 TANK	PLC-938	
35*	A32FM	COOLING TWR. TRTMNT., CHEM. #2 TANK	PLC-38	
36*	A34FM	SULFURIC ACID DAY TANK, DEMINERALIZATION	H2SO4	SEE NOTE 1
37*	A35FM	MAGNESIUM HYDROXIDE TANK, WASTEWATER	MAGOH2	
38*	A37FM	UNIT 1 BOILER FEED PUMP TURB. OIL RESERV.	TURBINE OIL	SEE NOTE 1
39*	A38FM	BARGE UNLOADER GLYCOL STORAGE TANK	ETHYLENE GLYCOL	
40*	A39FM	EM. DIESEL GEN. No. 2 FUEL OIL TANK	No. 2 FUEL OIL	SEE NOTE 1
41*	A49FM	UNIT 2 BOILER FEED PUMP TURB. OIL RESERV.	TURBINE OIL	SEE NOTE 1
42*	A52FM	SULFURIC ACID DAY TANK, UNIT 1 DEMIN.	H2SO4	SEE NOTE 1
43*	A53FM	GLYCOL STORAGE TANK	ETHYLENE GLYCOL	REMOVED
44*	A54FM	KEROSENE STORAGE TANK, COAL HANDLING	KEROSENE	
45*	A55FM	BOILER FEED PUMP TURB. OIL RESERV. 1A	TURBINE OIL	SEE NOTE 1
46*	A56FM	BOILER FEED PUMP TURB. OIL RESERV. 1B	TURBINE OIL	SEE NOTE 1
47*	A57FM	BOILER FEED PUMP TURB. OIL RESERV. 2A	TURBINE OIL	SEE NOTE 1
48*	A58FM	BOILER FEED PUMP TURB. OIL RESERV. 2B	TURBINE OIL	SEE NOTE 1
49*	A59FM	UNIT 1 TURBINE OIL FILTER	TURBINE OIL	SEE NOTE 1
50*	A60FM	UNIT 2 TURBINE OIL FILTER	TURBINE OIL	SEE NOTE 1
51*	A61FM	No. 1 COOLING TOWER CHEMICAL TANK	MICROBIOCIDE	SEE NOTE 1

EMISSION POINT/ITEM No. IDENTIFICATION LIST

ITEM No.	LOCAL I.D.	DESCRIPTION	SUBSTANCE STORED OR EMITTED	COMMENTS
52 *	A62FM	No. 2 COOLING TOWER CHEMICAL TANK	MICROBIOCIDE	SEE NOTE 1
53 *	A63FM	No. 1 COOLING TOWER CHEMICAL TANK	NALCO 1314	SEE NOTE 1
54 *	A64FM	No. 2 COOLING TOWER CHEMICAL TANK	NALCO 1314	SEE NOTE 1
55 *	A65FM	CAUSTIC STORAGE DAY TANK	NAOH	SEE NOTE 1
56 *	A66FM	CAUSTIC BULK STORAGE TANK	NAOH	
57 *	A67FM	FUEL OIL PUMP PRIMING TANK	No. 2 FUEL OIL	SEE NOTE 1
58 *	A68FM	WASTE SOLVENT TANK	WASTE OIL	SEE NOTE 1
59	U1FM	No. 2 FUEL OIL STORAGE TANK	No. 2 FUEL OIL	
60	U2FM	No. 2 FUEL OIL STORAGE TANK	No. 2 FUEL OIL	
61	U3FM	No. 2 FUEL OIL STORAGE TANK	No. 2 FUEL OIL	
62	U7FM	GASOLINE STORAGE TANK	GASOLINE	
63 *	U8FM	KEROSENE STORAGE TANK	KEROSENE	
64	E.D. GEN. 1	EMERGENCY DIESEL GENERATOR No. 1	EXHAUST FUMES	SEE NOTE 1
65	E.D. GEN. 2	EMERGENCY DIESEL GENERATOR No. 2	EXHAUST FUMES	SEE NOTE 1
66 *	WASTEWATER	NEUTRALIZATION SUMP	WASTE WATER	
67 *	WASTEWATER	GRIT SETTLING BASIN	WASTE WATER	
68 *	WASTEWATER	FINES SETTLING BASIN	WASTE WATER	
69 *	WASTEWATER	LAGOON No. 1	WASTE WATER	
70 *	WASTEWATER	LAGOON No. 2	WASTE WATER	
71	MAT. HAND., ROADS, STOCK PILES, COOLING TR.	FUGITIVE DUST EMISSION POINTS	FUGITIVE DUST	
72 *	KEROSENE HEATERS	SPACE HEATERS	EXHAUST FUMES	SEE NOTE 1
73	#1 SILO CT.	UNIT 1 COAL SILO VENTING ROTOCLONE	FUGITIVE COAL DUST	SEE NOTE 1
74	#2 SILO CT.	UNIT 2 COAL SILO VENTING ROTOCLONE	FUGITIVE COAL DUST	SEE NOTE 1
75	#1 SILO FR.	UNIT 1 COAL SILO FILTER SYSTEM	FUGITIVE COAL DUST	SEE NOTE 1
76	#2 SILO FR.	UNIT 2 COAL SILO FILTER SYSTEM	FUGITIVE COAL DUST	SEE NOTE 1
77	B.B. FR.	BREAKER BUILDING FILTER SYSTEM	FUGITIVE COAL DUST	
78	COOL. TR. 1	UNIT No. 1 COOLING TOWER	FUGITIVE DUST	
79	COOL. TR. 2	UNIT No. 2 COOLING TOWER	FUGITIVE DUST	
80 *	HYDROGEN EMISSION POINTS	HYDROGEN EXHAUST POINTS	HYDROGEN	SEE NOTE 1
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---	-----	-----	-----	

* INSIGNIFICANT ACTIVITY

NOTES:

1. EQUIPMENT LOCATED INSIDE PLANT, NOT SHOWN FOR CLARITY.
2. TANK VENTS AT LOCATIONS INDICATED FOR TANKS.
3. FUGITIVE EMISSIONS INCLUDE ROADS, STOCK PILE, MATERIAL HANDLING AND COOLING TOWER. THESE EMISSION POINTS ARE NOTED WITH NUMBER (71).
4. DIESEL GENERATOR VENT AT LOCATION INDICATED FOR GENERATOR.
5. SEE DRAWING No. L6980002 FOR ASH DISPOSAL SITE (INCLUDES ROAD AND EMISSIONS NOTED AS FUGITIVE DUST EMISSION POINT 71).

50 0 50 100 150 200
GRAPHIC SCALE

SET PROJECT NO.	REV.	DESCRIPTION	BY	DATE
960244	B	SETTLING PONDS RELOCATED & SCRUBBER ITEMS ADDED	RC/TD	12/9/13
INT. REV. NO. / REV. DATE	C			
JOBS NO.	D			
	E			
PLOT DATE AND TIME	F			
	G			

SEAL

NOTICE THIS DRAWING ISSUED FOR:
- ☐ INFORMATION/REFERENCE
- ☐ APPROVAL
- ☐ PROCUREMENT
- ☐ BID
- ☐ CONSTRUCTION/FABRICATION

REV	DATE

DRAWN BY: RCH
DATE: 6-4-96
CHECKED BY:
ENGR. APPROVAL:
PROJECT MANAGER APPROVAL:
DRAWING SCALE: 1" = 100'-0"

SE TECHNOLOGIES
90 Tomahan Road Bridgeville, PA 15017 (412) 221-1888

ALLEGHENY POWER SYSTEM

FORT MARTIN POWER STATION

MONONGAHELA POWER COMPANY | WEST PENN POWER COMPANY | THE POTOMAC EDISON COMPANY

TITLE V PERMIT DRAWINGS
SITE PLOT PLAN

CONSTRUCTION SPEC. No. | DRAWING No. L6950001 | REV. B

F09-12-11-020-001

GREENE COUNTY, PENNSYLVANIA
MONONGALIA COUNTY, WEST VIRGINIA

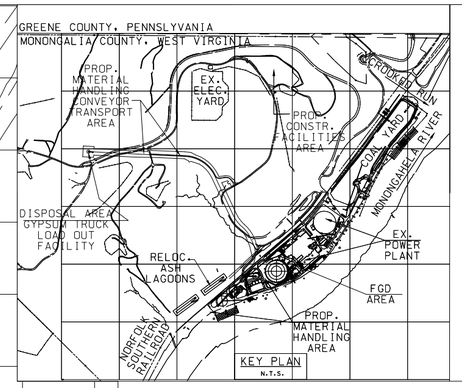
STATE PLANE TRUNCATED PLANT NORTH

E 5250 E 1,845,250 | E 5500 E 1,845,500 | E 5750 E 1,845,750 | E 6000 E 1,846,000 | E 6250 E 1,846,250 | E 6500 E 1,846,500 | E 6750 E 1,846,750 | E 7000 E 1,847,000 | E 7250 E 1,847,250 | E 7500 E 1,847,500 | E 7750 E 1,847,750 | E 8000 E 1,848,000 | E 8250 E 1,848,250 | E 8500 E 1,848,500 | E 8750 E 1,848,750 | E 9000 E 1,849,000 | E 9250 E 1,849,250 | E 9500 E 1,849,500 | E 9750 E 1,849,750 | E 10000 E 1,850,000 | E 10250 E 1,850,250 | E 10500 E 1,850,500

N 14750 N 444,750 | N 14500 N 444,500 | N 14250 N 444,250 | N 14000 N 444,000 | N13,750 N 443,750 | N 13500 N 443,500 | N 443,250 N 13250 | N 13000 N 443,000 | N 12500 N 442,500 | N 12250 N 442,250 | N 12000 N 442,000 | N 11750 N 441,750 | N 11500 N 441,500 | N11,250 N 441,250 | N11,000 N 441,000 | N 10750 N 440,750 | N 10500 N 440,500 | N 10250 N 440,250 | N 10000 N 440,000 | N 9750 N 439,750 | N 9500 N 439,500 | N 9250 N 439,250 | N 9000 N 439,000 | N 8750 N 438,750 | N 8500 N 438,500

E 4750 E 1,844,750

PROPOSED CONSTRUCTION PARKING
CONSTRUCTION OFFICES (9) 12'X60'
CONSTRUCTION PARKING
PROPOSED BASIN
WAREHOUSE 100'X100'
EXISTING ELECTRICAL YARD
FENCED CABLE STORAGE AREA
CONSTRUCTION FACILITIES AREA
WATER TANK
MATERIAL HANDLING CONVEYOR TRANSPORT & DRIVE
GYPSUM PIPE CONVEYOR (PC)
DISPOSAL AREA GYPSUM TRUCK LOAD OUT FACILITY
EMPTY LIMESTONE BARGES
EX. COAL PILE AREA
EX. COOLING TOWER
EX. POWER PLANT
MONONGAHELA RIVER
WATER & WASTE WATER TREATMENT AREA
ID FANS AREA
RELOCATED ASH LAGOONS AREA
FLUE GAS DESULFERIZATION AREA
STACK
BASIN
REAGENT PREPARATION BUILDING
MATERIAL HANDLING UNLOADING AREA
LIMESTONE PILE
RAILROAD PROPERTY LINE
NORFOLK SOUTHERN RAILROAD
W.E.



STATE PLANE TRUNCATED PLANT NORTH

DRAWING LIST

F09-12-11-020-001	1"=200'	SITE PLAN
F09-12-11-060-001	1"=30'	EROSION AND SEDIMENT CONTROL PLAN
F09-12-11-061-001	1"=30'	EROSION AND SEDIMENT CONTROL PLAN
F09-12-11-062-001	1"=30'	EROSION AND SEDIMENT CONTROL PLAN
F09-12-11-063-001	1"=30'	EROSION AND SEDIMENT CONTROL PLAN
F09-12-11-064-001	1"=30'	EROSION AND SEDIMENT CONTROL PLAN
F09-12-11-065-001	1"=30'	EROSION AND SEDIMENT CONTROL PLAN
F09-12-11-066-001	1"=30'	EROSION AND SEDIMENT CONTROL PLAN
F09-12-11-069-001	AS NOTED	EROSION AND SEDIMENT CONTROL DETAILS
F09-12-11-070-001	AS NOTED	EROSION AND SEDIMENT CONTROL DETAILS
F09-12-11-071-001	AS NOTED	EROSION AND SEDIMENT CONTROL DETAILS
F09-12-11-090-001	1"=30'	HORIZONTAL LAYOUT PLAN
F09-12-11-091-001	1"=30'	HORIZONTAL LAYOUT PLAN
F09-12-11-092-001	1"=30'	HORIZONTAL LAYOUT PLAN
F09-12-11-093-001	1"=50'	HORIZONTAL LAYOUT PLAN
F09-12-11-094-001	1"=50'	HORIZONTAL LAYOUT PLAN
F09-12-11-095-001	1"=50'	HORIZONTAL LAYOUT PLAN
F09-12-11-096-001	1"=50'	HORIZONTAL LAYOUT PLAN
F09-12-11-100-001	1"=30'	SITE PREP GRADING & DRAINAGE PLAN
F09-12-11-101-001	1"=30'	SITE PREP GRADING & DRAINAGE PLAN
F09-12-11-102-001	1"=30'	SITE PREP GRADING & DRAINAGE PLAN
F09-12-11-103-001	1"=50'	SITE PREP GRADING & DRAINAGE PLAN
F09-12-11-104-001	1"=50'	SITE PREP GRADING & DRAINAGE PLAN
F09-12-11-105-001	1"=50'	SITE PREP GRADING & DRAINAGE PLAN
F09-12-11-106-001	1"=30'	SITE PREP GRADING & DRAINAGE PLAN
F09-12-11-108-001	1"=40'	FGD FAB AREA EROSION & SEDIMENT CONTROL PLAN
F09-12-11-108-002	1"=40'	FGD FAB AREA FOUNDATION LOCATION PLAN
F09-12-11-109-001	1"=40'	FGD FAB AREA EROSION & SEDIMENT CONTROL PLAN
F09-12-11-110-001	1"=40'	FGD FAB AREA EROSION & SEDIMENT CONTROL NOTES
F09-12-11-111-001	N/A	FGD FAB AREA EROSION & SEDIMENT CONTROL DETIALS
F09-12-11-112-001	1"=40'	FGD FAB AREA SURFACING PLAN
F09-12-11-113-001	1"=40'	FGD FAB AREA SURFACING PLAN
F09-12-11-114-001	1"=200'	PRE-DEVELOPMENT DRAINAGE AREA PLAN
F09-12-11-115-001	1"=200'	POST-DEVELOPMENT MATL. HANDLING CONVEYOR ROUTING
F09-12-11-116-001	1"=60'	PRE-DEVELOPMENT PLAN CONSTRUCTION FACILITIES AREA
F09-12-11-116-002	1"=60'	POST-DEVELOPMENT PLAN CONSTRUCTION FACILITIES AREA
F09-12-11-117-001	1"=100'	PRE-DEVELOPMENT MATERIAL HANDLING AREA
F09-12-11-117-002	1"=100'	POST-DEVELOPMENT MATERIAL HANDLING AREA
F09-12-11-120-001	1"=30'	FINAL GRADING AND DRAINAGE PLAN
F09-12-11-121-001	1"=30'	FINAL GRADING AND DRAINAGE PLAN
F09-12-11-122-001	1"=30'	FINAL GRADING AND DRAINAGE PLAN
F09-12-11-123-001	1"=30'	FINAL GRADING AND DRAINAGE PLAN
F09-12-11-124-001	1"=30'	FINAL GRADING AND DRAINAGE PLAN
F09-12-11-125-001	1"=30'	FINAL GRADING AND DRAINAGE PLAN
F09-12-11-126-001	1"=30'	FINAL GRADING AND DRAINAGE PLAN
F09-12-11-127-001	1"=30'	FINAL GRADING AND DRAINAGE PLAN
F09-12-11-135-001	1"=50'	ROAD PROFILE MATL. HANDLING CONVEYOR ACCESS ROAD
F09-12-11-140-001	1"=30'	SURFACING PLAN
F09-12-11-141-001	1"=30'	SURFACING PLAN
F09-12-11-142-001	1"=30'	SURFACING PLAN
F09-12-11-143-001	1"=50'	SURFACING PLAN
F09-12-11-144-001	1"=50'	SURFACING PLAN
F09-12-11-145-001	1"=50'	SURFACING PLAN
F09-12-11-146-001	1"=50'	SURFACING PLAN
F09-12-11-210-001	AS NOTED	FENCING DETAILS
F09-12-11-220-001	AS NOTED	MISCELLANEOUS DETAILS
F09-12-11-221-001	AS NOTED	MISCELLANEOUS DETAILS
F09-12-11-320-001	AS NOTED	RAILROAD CROSSING PLAN AND DETAILS
F09-12-11-321-001	AS NOTED	RAILROAD CROSSING PROFILE & SECTIONS
F09-12-11-323-001	AS NOTED	RAILROAD CROSSING DRAINAGE PLAN

GENERAL NOTES

1. THE SURVEY & TOPOGRAPHIC INFORMATION WAS PROVIDED BY ALLEGHENY ENERGY SUPPLY. SURVEY PERFORMED BY GAI CONLSULTANTS' PITTSBURGH OFFICE DRAWING D-F013 SHEETS 1-7 OF 7 DATED 07/17/2006. HORIZONTAL DATUM BASED ON NORTH AMERICAN DATUM SPC WV NORTH ZONE 4701, VERTICAL DATUM IS BASED ON NAVD88.

2. THE UNDERGROUND UTILITIES SHOWN ON THIS PLAN REPRESENT THE INFORMATION REASONABLY AVAILABLE WHEN THE PLAN WAS PREPARED. CONTRACTORS AND OTHER USERS OF THIS PLAN ARE RESPONSIBLE FOR VERIFICATION OF UNDERGROUND UTILITIES PRIOR TO DESIGN OR CONSTRUCTION WORK AT LOCATIONS SHOWN HEREON. OTHER UNDERGROUND UTILITIES MAY ALSO BE PRESENT ON SITE, BUT ARE NOT SHOWN ON THE PLANS THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING PLANT FACILITIES, I.E. UTILITIES ETC. PRIOR TO AND DURING CONSTRUCTION.

3. NO BLASTING SHALL BE ALLOWED ON THIS PROJECT.

4. EXCAVATION WORK SHALL BE IN ACCORDANCE WITH ALL OSHA REGULATIONS. THE CONTRACTOR SHALL BE THE "ENGINEER OF RECORD" FOR THE DESIGN OF ALL DEWATERING AND SHORED AND OPEN EXCAVATIONS.

5. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, PENNSYLVANIA DEPARTMENT OF TRANSPORTATION AND THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION.

6. REFER TO PROJECT SPECIFICATIONS.

7. SUBSURFACE SOIL AND GEOLOGICAL INFORMATION INDICATED ON THESE PLANS IS BASED UPON EXISTING AVAILABLE MAPPING RECORDS AND ON-SITE TESTING. SUITABLE BORROW MATERIALS FOR FILL MAY BE OBTAINED IN THE OFF-SITE OR ON-SITE WITHIN THE AREA OF DISTURBANCE. AREAS WHERE SOFT OR UNSUITABLE MATERIAL IS DETECTED IN EXCAVATIONS SHALL BE BROUGHT TO THE ENGINEER OR GEOTECHNICAL PERSONNEL ATTENTION IMMEDIATELY. THE ENGINEER OR GEOTECHNICAL PERSONNEL SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE MATERIAL. SOIL EXCAVATION, REMOVAL OF SOILS AND PLACEMENT ASSUMPTION THAT SOILS AND ASSOCIATED MATERIALS ARE FREE OF CONTAMINATION AND HAZARDOUS SUBSTANCES.

8. EXCAVATIONS WITHIN SIX (6) FEET OF A ROADWAY SHALL BE PROTECTED WITH THE USE OF "JERSEY BARRIERS" BUTTED TOGETHER TO PROVIDE PERSONNEL PROTECTION.

9. CONTRACTOR TO VERIFY LOCATION OF TIE-IN WITH EXISTING DRIVES AND/OR ROADS DISCREPANCIES TO BE REPORTED AND ANY ADJUSTMENTS COORDINATED AND APPROVED BY THE ENGINEER.

10. THE CONTRACTOR IS TO USE CAUTION DURING EXCAVATION AND CONSTRUCTION SO AS NOT TO DISTURB EXISTING FOUNDATIONS.

11. REFER TO ALLEGHENY ENERGY SUPPLY FOR PROJECT SPECIFIC REQUIREMENTS FOR SAFETY AND CLEARANCE REQUIREMENTS.

12. EXCAVATION AND FILL SLOPE REQUIREMENTS ARE:
    FOR CUT: 1 : 2 IN ROCK
    FOR CUT: 2 : 1 IN OVERBURDEN
    FOR FILL: 2 : 1(MAX)

13. COORDINATES EQUALITY EQUATION.
    STATE PLANE TO PLANT COORDINATE CONVERSION TO PLANT SYSTEM
    EAST (STATE PLANE) -1,840,000 = EAST (PLANT)
    NORTH (STATE PLANE) -430,000 = NORTH (PLANT)

BENCHMARK: EXISTING PLANT COORDINATE SYSTEM DATUM NGVD 1929
CONVERSION FORMULA: (AS PROVIDED BY GAI)
PLANT DATUM (NGVD29) MINUS .36' = GAI DATUM (NAVD1988)

0 200' 400' 600'
SCALE: 1"=200'

CALL 48 HOURS BEFORE YOU DIG.

NOTIFICATION OF PROPOSED EXCAVATION, DEMOLITION OR ANY OTHER EARTH DISTURBING ACTIVITIES ARE REQUIRED TO BE PLACED TO MUWV NOT LESS THAN 48 BUSINESS HOURS BEFORE ANY SUCH WORK IS TO BEGIN. A NOTIFICATION MUST NOT BE MADE MORE THAN 10 BUSINESS WORKING DAYS IN ADVANCE OF THE BEGINNING OF ANY SUCH WORK DUE TO THE POSSIBLE DETERIORATION OF THE LOCATE MARKINGS. THE TIME REQUIREMENTS ARE EXCLUSIVE OF SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS.

REVISION APPROVAL RECORD						REV NO	DATE	REVISIONS	BY	CHKR
DISCIPLINE	BY	DATE	DISCIPLINE	BY	DATE	0	05-11-07	ISSUE FOR CONSTRUCTION	ZY	ERH
ARCH.			MECHANICAL			1	09-20-07	REVISED ARRANGEMENT	CT	ERH
CIVIL			NUCLEAR			2	01-04-08	REVISED ARRANGEMENT	CT	ERH
ELECTRICAL			PIPING			3	03-27-08	REVISED ARRANGEMENT	CT	ERH
ENVIRON.			PROCESS			4	05-06-09	ISSUED FOR BID PHASE I. SITE FINALIZATION SUBCONTRACT	AL	HP
GEN. ARRANG.			QA / QC			5	06-08-09	ISSUED FOR BID PHASE II. SITE FINALIZATION SUBCONTRACT		
HVAC			STRUCTURAL							
I & C										

DRAWING STATUS				
ISSUED	REV	DATE	SDE	PEM
PRELIMINARY				
REVISED	5	06-08-09		
APPROVED FOR CONSTRUCTION	0	05-11-07		

NOT APPROVED FOR CONSTRUCTION UNLESS SIGNED & DATED. DESTROY ALL PRINTS BEARING EARLIER DATE &/OR REV.NO.

PROJECT NO.:
DRAWN: Z.YAN DATE:
CHECKED: E.R.HENDRICKS DATE:
SCALE: 1"=200'

SITE PLAN

MONONGAHELA POWER CO.
FORT MARTIN FGD PROJECT

Washington Group International
510 CARNEGIE CTR, PRINCETON NJ 08543 - (609)720-2000

DWG. NO. F09-12-11-020-001 REV 5

INCHES 1 2 3 4 5 6 | CENTIMETERS 1 2

8 7 6 5 4 3 2 1

H G F E D C B A

ATTACHMENT C

PROCESS FLOW DIAGRAMS

SURGE BIN

RT-5B-H

42" CONV. No. 6 400 TPH

BARGE

UNLOADING TOWER

APPROX. 900 TON CAP.

R&P GATE

VF-2

MAGNETIC SEPARATOR

SCALE

SCALE

48" CONV. No. 2 950 TPH 450 TPH

TRUCK HOPPER

3 3

475 TPH EA.

VF-8A VF-8B

MAGNETIC SEPARATOR

SUMP PUMP

48" CONV. No. 3 900 TPH 450 TPH

RT-2

MAN. FLOP GATE

BY-PASS

BRADFORD BREAKER

IMP.

IMPACTOR

PRIM.

48" CONV. No. 4 950 TPH

RT-4

PRIMARY SAMPLER "BB"

"VF-8B" VIBRATING FEEDER

SAMPLE CRUSHER BB

SECONDARY SAMPLER "AA"

SAMPLE

BREAKER BLDG.

42" CONV. AA 950 TPH

48" CONV. No. 5 950 TPH

48" STOCK OUT CONV. 950 TPH

5000 TON STORAGE PILE.

48" STACKER BOOM CONVEYOR NO. 6 950 TPH

RT-5

RT ST-1 : TRAVERSE CONTROL
RT ST-2 : EMER STOP
RT ST-3 : FIXED CAM

TRAVELING STACKER

TRAVERSE DRIVE

ACTIVE STORAGE PILE

SUMP PUMP

VF-7B-1 (7 MOTORS)
VF-7A-1 (7 MOTORS)
VIBRATING FEEDERS 70-100 TPH EA.

SUMP PUMP

TRANSFER TOWER

36" CONV. No. 7A 500 TPH

36" CONV. No. 7B 500 TPH

MAGNETIC SEPARATOR

MAGN. SEP.

PRIMARY SAMPLER "A"

PRIMARY SAMPLER "B"

BF-8C-A BELT FEEDER

BF-8C-B BELT FEEDER

SAMPLE CRUSHER "A"

SAMPLE CRUSHER "B"

SECONDARY SAMPLER "A"

SECONDARY SAMPLER "B"

SAMPLE

SAMPLE

36" CONV. No. 8A 500 TPH

36" CONV. No. 8B 500 TPH

ROTOCLONE DUST EXH. & COLLECT. SYST. (4 UNITS)

RT-10B-3

MG-1E

RT-10B-2

RT-10B-1

MG-1F

36" CONV. No. 10B 500 TPH

RT-9A-2

SILO 1D

SILO 1E

SILO 1F

36" CONV. No. 9B-2 500 TPH

MG-8A

SCALE

36" CONV. No. 9A-1 500 TPH

UNIT No. 1

ROTOCLONE

RT-10A-3

MG-1B

RT-10A-2

MG-1C

RT-10A-1

36" CONV. No. 10A 500 TPH

RT-9A-1

SILO 1C

SILO 1B

SILO 1A

RT 8A

RT 8B

MG-8

ROTOCLONE

RT-11B-2

MG-2E

RT-11B-1

36" CONV. No. 11B 500 TPH

RT-9B-2

SILO 2D

SILO 2E

36" CONV. No. 9B-2 500 TPH

MG-9B

SCALE

36" CONV. No. 9B-1 500 TPH

UNIT No. 2

ROTOCLONE

RT-11A-3

MG-2B

RT-11A-2

MG-2C

RT-11A-1

36" CONV. No. 11A 500 TPH

RT-9B-1

SILO 2A

SILO 2B

SILO 2C

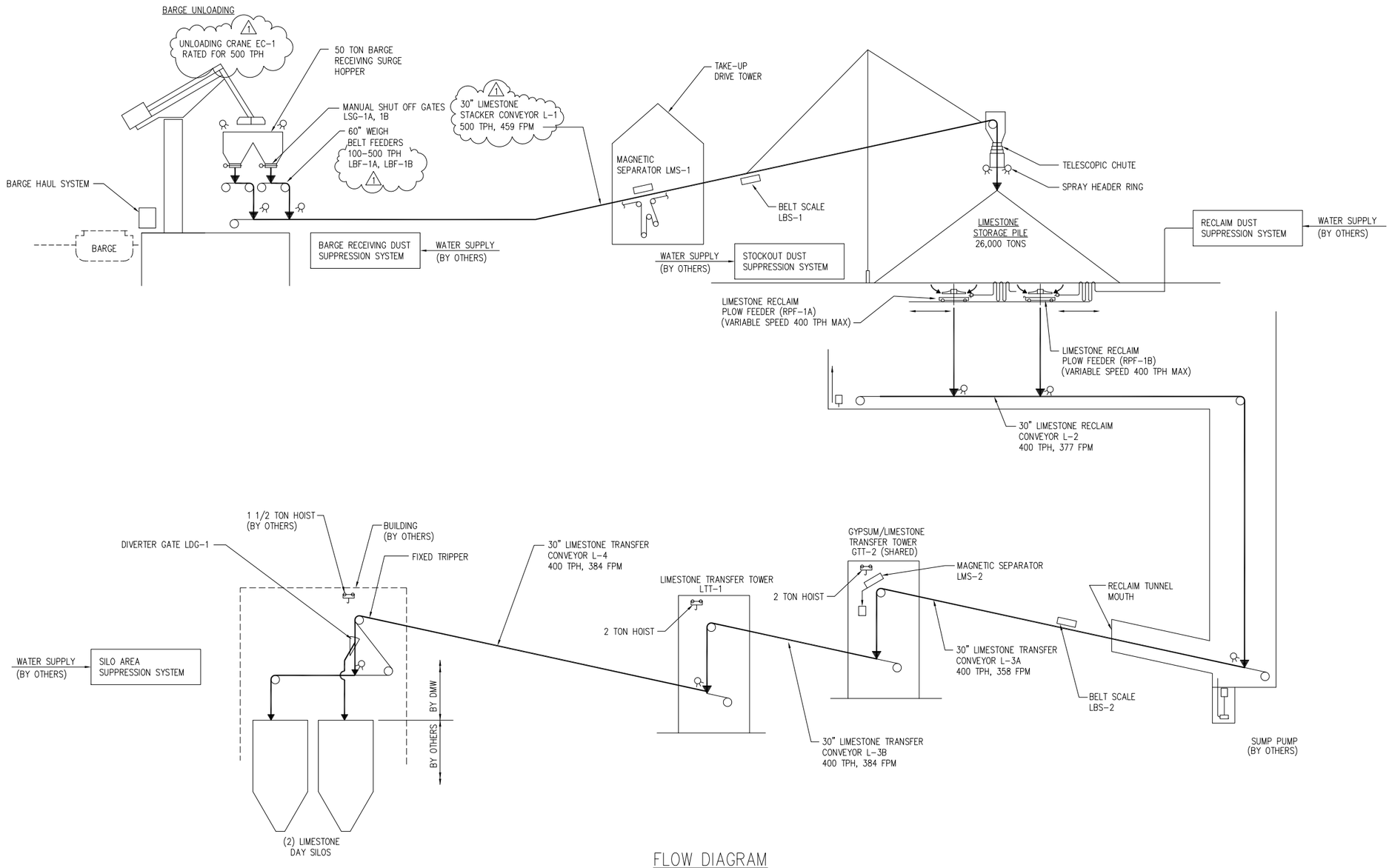
MG - MOTORIZED FLOP GATE
BF - BELT FEEDER
VF - VIBRATING FEEDER
- MOTOR H.P.
- TRACK TYPE LIMIT SW. (3 UNITS)
- EMER PULL-CORD SW. (26 UNITS)
- CENTRIFUGAL SPEED SW. (18 UNITS)
- ROTARY LIMIT SW. (10 UNITS)
-

NOTE : THIS DWG TRACED FROM HEWITT-ROBINS ORIGINAL DWG. No. RL-1775-40 (W.O.# 2231, P.O.# 31 - 1965)

SHEET OF

DRAWN TLM 6-7-65	ALLEGHENY POWER SERVICE CORP.
CHKD | APPD APPD	FORT MARTIN POWER STATION
SOURCE	COAL HANDLING FLOW DIAGRAM
REVIEWED	RL-1775-40
APPROVED DATE	AUTHORIZATION | SCALE | DRAWING NO.

Drawing RL-1775-40



FLOW DIAGRAM
LIMESTONE HANDLING SYSTEM

WET SUPPRESSION POINTS

L-007	MECHANICAL DESIGN CRITERIA & GENERAL NOTES
L-006	STRUCTURAL DESIGN CRITERIA & GENERAL NOTES
L-005	GYPSUM FLOW DIAGRAM
L-001	& L-002 PLOT PLANS
L-000	TITLE SHEET & DRAWING LIST
DWG. NO.	REFERENCE DRAWING

DATE	No.	REVISION	BY	RECORD	DATE
				TO APPROVAL	07/27/07
				TO SHOP	
				TO FIELD	
				DWN. BY: GLS	04/18/07
4/23/08	1	REVISED PER CLIENT REQUEST	JI	CHK. BY: JLB	07/06/07
8/22/07	0	ISSUED FOR CONSTRUCTION	JI	APP. BY:	
7/27/07	A	ISSUED FOR CLIENT REVIEW	JI	JOB NO. 07-7697	

FILE NAME: G:\0704\L-004.dwg

FORT MARTIN FGD PROJECT
MONONGAHELA POWER COMPANY

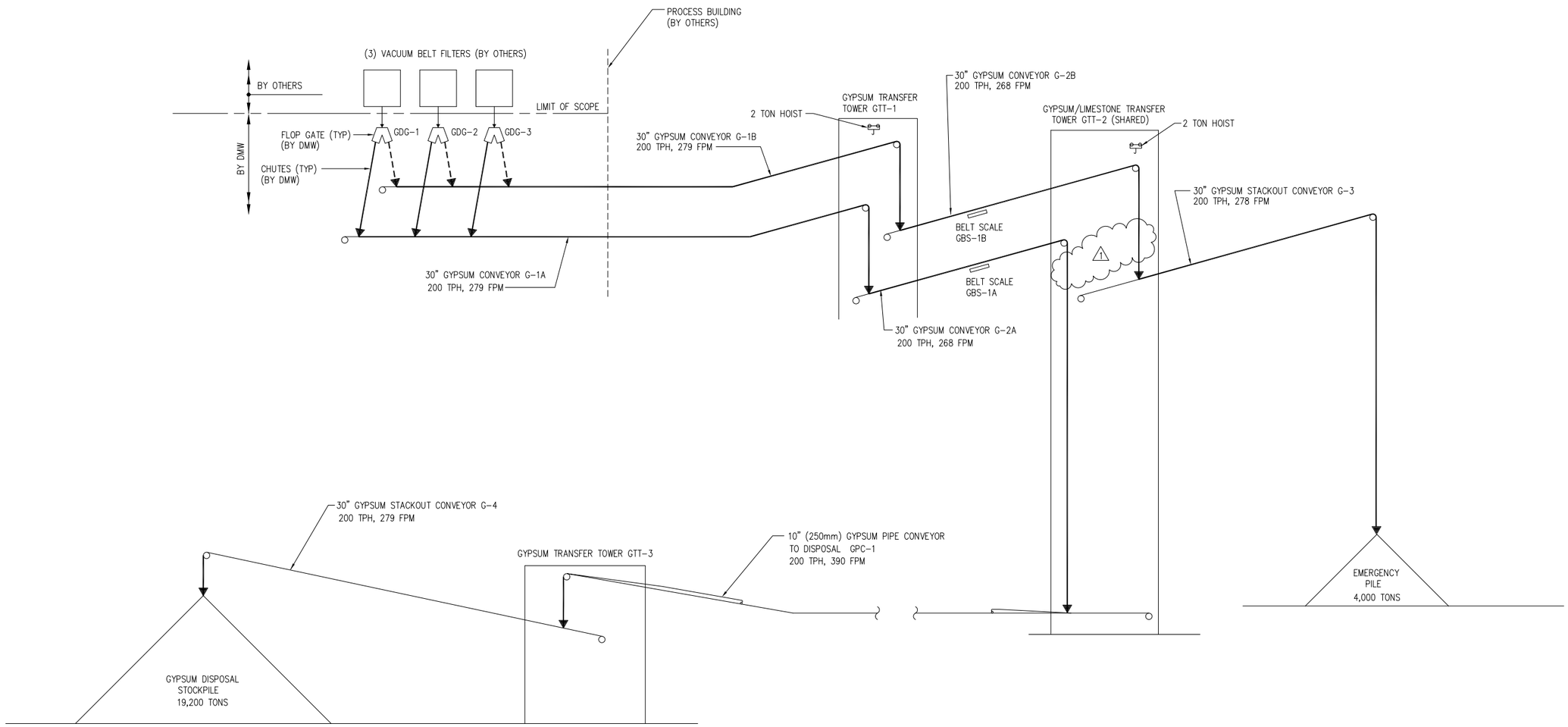
DEARBORN MID-WEST CONVEYOR CO.

FLOW DIAGRAM
LIMESTONE SYSTEM

SCALE NONE | DWG. NO. L-004 | REV. NO. 1

PLOTTED: (JLB) 23-APR-2008 10:43 | PLOT SCALE: FIT

SCALE OF BORDER: . - . | PLOT DATE & TIME: . | C.A.D. No.: DWG



FLOW DIAGRAM
GYPSUM HANDLING SYSTEM

L-006	MECHANICAL DESIGN CRITERIA & GENERAL NOTES
L-007	STRUCTURAL DESIGN CRITERIA & GENERAL NOTES
L-004	LIMESTONE FLOW DIAGRAM
L-001	& L-002 PLOT PLANS
L-000	TITLE SHEET & DRAWING LIST
DWG. NO.	REFERENCE DRAWING

DATE	No.	REVISION	BY
10/20/07	1	CORRECTED FLOW PATH IN TRANSFER TOWER GTT-2	JI
8/22/07	0	REVISED PER CURRENT SCOPE ISSUED FOR CONSTRUCTION	JI
7/27/07	A	ISSUED FOR CLIENT REVIEW	JI

RECORD	DATE
TO APPROVAL	8/22/07
TO SHOP	
TO FIELD	
DWN. BY: GLS	04/18/07
CHK. BY: JLB	07/10/07
APP. BY:	

JOB NO. 07-7697

FILE NAME: G:\0704\L-005.dwg

FORT MARTIN FGD PROJECT
MONONGAHELA POWER COMPANY

DEARBORN MID-WEST CONVEYOR CO.

FLOW DIAGRAM
GYPSUM SYSTEM

SCALE NONE | DWG. NO. L-005 | REV. NO. 1

PLOTTED: (GFG) 19-OCT-2007 15:27 | PLOT SCALE: FIT

SCALE OF BORDER: - - | PLOT DATE & TIME: - - | C.A.D. No.: .DWG

Attachment D
Emission Units Table

ATTACHMENT D - Emission Units Table

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

Emission Unit ID[1]	Emission Point ID[1]	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device[1]
Combustion Sources					
B1	STACK 1	Fort Martin Unit 1	1967	4984 MMBtu/hr (Nominal)	ESP1p, ESP1s, FGD1
B2	STACK 2	Fort Martin Unit 2	1968	4983 MMBtu/hr (Nominal)	ESP2p, ESP2s, FGD2
Aux Blr 1A	Aux Boiler Stack	Auxiliary Boiler 1A	2007	115.3 MMBtu/hr	Low NOx Burners & FGR
Aux Blr 1B	Aux Boiler Stack	Auxiliary Boiler 1B	2007	115.3 MMBtu/hr	Low NOx Burners & FGR
EDG1	EDG1	Emergency Diesel Generator No. 1	1987	320 kW	N/A
EDG2	EDG2	Emergency Diesel Generator No. 2	1989	350 kW	N/A
EDFP-1	EDFP-1	Emergency Diesel Fire Pump	1991	208 hp	N/A
EDQP-1	EDQP-1	Emergency Generator for FGD1 Quench Pump	2008	252 hp	N/A
EDQP-2	EDQP-2	Emergency Generator for FGD2 Quench Pump	2008	252 hp	N/A
EDQP-3	EDQP-3	Emergency Generator Spare for FGD Quench Pumps	2009	252 hp	N/A
Material Handling Sources					
BU-1	BU-1	Barge Unloader	1967	1400 TPH	Partial Enclosure
SB-1	SB-1	Surge Bin	1967	900 Tons	Full Enclosure
BC-1	BC-1	Conveyor # 1 - Conveyor from Coal Barge Unloader to Surge Bin	1967	1400 TPH	Partial Enclosure
BC-2	BC-2	Conveyor # 2 - Conveyor from Surge Bin to Bradford Breaker	1967	950 TPH	Partial Enclosure
BB-1	BB-1	Bradford Breaker	1967	950 TPH	Full Enclosure
RC-1 RC-2	RC-1 RC-2	Reclaim Hoppers	1967	475 TPH, each	Partial Enclosure
BC-3	BC-3	Conveyor # 3 – Conveyor from Reclaim Hopper to Bradford Breaker	1967	950 TPH	Partial Enclosure
BC-4	BC-4	Conveyor # 4- Conveyor from Bradford Breaker to BC-5	1967	950 TPH	Partial Enclosure
BC-5 BC-5A	BC-5 BC-5A	Conveyors #5/5A – conveyors from Bradford Breaker to Coal Storage Pile	1967	950 TPH, each	Partial Enclosure
BC-7A BC-7B	BC-7A BC-7B	Conveyors #7A/7B – Conveyors from Coal Storage pile to Transfer house	1967	500 TPH, each	Partial Enclosure

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]
BC-8A BC-8B	BC-8A BC-8B	Conveyors #8A/8B – Conveyors from Transfer House to Boiler House Conveyors	1967	500 TPH, each	Partial Enclosure
BC-9A1 BC-9A2 BC-10A BC-10B	BC-9A1 BC-9A2 BC-10A BC-10B	Boiler House Conveyors to Unit # 1 Coal Storage Silos	1967	500 TPH, each	Partial Enclosure
BC-9B1 BC-9B2 BC-11A BC-11B	BC-9B1 BC-9B2 BC-11A BC-11B	Boiler House Conveyors to Unit # 2 Coal Storage Silos	1967	500 TPH, each	Partial Enclosure
CS-1	AS-1	Unit 1 Coal Silos (1A,B,C,D,E,F)	1967	500 Tons, each	DC-1, DC-2
CS-2	AS-1	Unit 2 Coal Silos (2A,B,C,D,E)	1967	550 Tons, each	DC-3, DC-4
FAS-1	FAS-1	Unit # 1 Fly Ash Silo	1967	1,650 Tons	Full Enclosure
FAS-2	FAS-2	Unit # 2 Fly Ash Silo	1967	1,650 Tons	Full Enclosure
BAS-1A BAS-1B	BAS-1A BAS-1B	Unit # 1 Bottom Ash Silos	1967	12,000 cu. ft.	Full Enclosure Water Spray
BAS-2A BAS-2B	BAS-2A BAS-2B	Unit # 2 Bottom Ash Silos	1967	12,000 cu. ft.	Full Enclosure Water Spray
ES-1	ES-1	Economizer Ash Silo	1967	2,093 cu. ft.	Full Enclosure Water Spray
CST-1	CST-1	Coal Stockpile	1967	1,000,000 Tons	Minimize Drop Height
BC-0	BC-0	Coal Conveyor Belt System	2004	150 TPH	N/A
LUC-1	LUC-1	Limestone Unloading Crane	2007	500 TPH	Partial Enclosure
LSH-1	LSH-1	Limestone Surge Hopper	2007	500 TPH	Water Spray
LBF-1	LBF-1	Weigh Belt Feeder 1	2007	500 TPH	Water Spray
LBF-2	LBF-2	Weigh Belt Feeder 2	2007	500 TPH	Water Spray
L-1	L-1	Limestone Receiving and Stacker Conveyor	2007	500 TPH	Full Enclosure
TC-1	TC-1	Limestone Pile Telescopic Chute	2007	500 TPH	Water Spray
LSP	LSP	Limestone Storage Pile	2007	26,000 Tons	N/A
RPF-1A	RPF-1A	Limestone Reclaim Rotary Plow Feeder	2007	400 TPH	Underground
RPF-1B	RPF-1B	Limestone Reclaim Rotary Plow Feeder	2007	400 TPH	Underground
L-2	L-2	Limestone Reclaim Conveyor	2007	400 TPH	Full Enclosure Water Spray

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]
L-3A	L-3A	Limestone Transfer Conveyor	2007	400 TPH	Full Enclosure Water Spray
GTT-2	GTT-2	Gypsum Transfer Tower (shared with conveyors G2-A/B, and L-3A)	2007	600 TPH	Full Enclosure Water Spray
L-3B	L-3B	Limestone Transfer Conveyor	2007	400 TPH	Full Enclosure Water Spray
LTT-1	LTT-1	Limestone Transfer Tower	2007	400 TPH	Full Enclosure Water Spray
L-4	L-4	Limestone Transfer Conveyor	2007	400 TPH	Full Enclosure Water Spray
LDG-1	LDG-1	Limestone Diverter Gate	2007	400 TPH	Partial Enclosure
DC-1	DC-1	Limestone Day Silo 1	2007	400 TPH	Bin Vent Filter
DC-2	DC-2	Limestone Day Silo 2	2007	400 TPH	Bin Vent Filter
BM-1	BM-1	Ball Mill 1	2007	50 TPH	Water Spray
BM-2	BM-2	Ball Mill 2	2007	50 TPH	Water Spray
VBF-1	VBF-1	Gypsum Vacuum Belt Filter 1	2007	75 TPH	Partial Enclosure
VBF-2	VBF-2	Gypsum Vacuum Belt Filter 2	2007	75 TPH	Partial Enclosure
VBF-3	VBF-3	Gypsum Vacuum Belt Filter 3	2007	75 TPH	Partial Enclosure
G-1A	G-1A	Gypsum Conveyor	2007	200 TPH	Full Enclosure
G-1B	G-1B	Gypsum Conveyor	2007	200 TPH	Full Enclosure
GTT-1	GTT-1	Gypsum Transfer Tower	2007	200 TPH	Full Enclosure
G-2A	G-2A	Gypsum Conveyor	2007	200 TPH	Full Enclosure
G-2B	G-2B	Gypsum Conveyor	2007	200 TPH	Full Enclosure
GTT-3	GTT-3	Gypsum Transfer Tower	2007	200 TPH	Full Enclosure
G-3	G-3	Gypsum Conveyor	2007	200 TPH	Full Enclosure
G-4	G-4	Gypsum Conveyor	2007	200 TPH	Full Enclosure
GPC-1	GPC-1	Gypsum Pipe Conveyor	2007	200 TPH	Full Enclosure
GSP	GSP	Gypsum Storage Pile	2007	N/A	Partial Enclosure
Miscellaneous Sources					
CT-1 CT-2	CT-1 CT-2	Natural Draft Cooling Towers (2)	1967	250,000 gpm, each	N/A
CCB	CCB	Ash/CCB Disposal area	1967	N/A	Water Truck

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]
PR	Paved Roads	Plant Paved Roads	N/A	N/A	Water Truck
UPR	Unpaved Roads	Plant Unpaved Roads	N/A	N/A	Water Truck
WASTE-WATER	Fort Martin Wastewater Operations	Fort Martin Wastewater Treatment Operations (Insignificant Activity)	N/A	2,812 MMgal/year	N/A
Insig Tanks	N/A	Insignificant Storage Tanks (Insignificant Activity)	N/A	N/A	N/A

Attachment E
Emission Unit Forms:
Combustion Sources

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
Unit B1	Fort Martin Unit 1	ESP-1p, ESP-1s, FGD1

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
4,984 MMBtu/hr (nominal) Combustion Engineering tangentially fired, balanced-draft, supercritical boiler. The primary fuel is coal with No.2 distillate oil used for start-up and stabilization. The flue gas emissions are controlled with two ESPs installed in series for particulate control.

Manufacturer:	**Model number:**	**Serial number:**
Combustion Engineering		
Construction date:	**Installation date:**	**Modification date(s):**
	1967	

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 4,984 MMBtu/hr (nominal)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
207.7 tons/hour coal	1,819,160 tons/year coal	8,760 hours per year

Fuel Usage Data **(fill out all applicable 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: 4,984 MMBtu/hr (nominal)	**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.

Coal – 207.7 tons/hr; 1,819,160 tons/yr

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Coal (Primary)	4.5%	14.0%	12,000 Btu/lb
#2 Fuel Oil (Start-Up/Stabilization)	< 0.5%	N/A	140,000 Btu/gal

Emissions Data		
Criteria Pollutants	**Potential Emissions**	
	PPH	**TPY**
Carbon Monoxide (CO)[a]	103.8	454.8
Nitrogen Oxides (NO_X)[b]	1,993.6	8,732.0
Lead (Pb)[c]	0.000902	0.0395
Particulate Matter ($PM_{2.5}$)[a,f]	72.3	316.5
Particulate Matter (PM_{10})[a,f]	167.0	731.3
Total Particulate Matter (TSP)[d,f]	249.2	1,091.5
Sulfur Dioxide (SO_2)[e]	15,450.4	67,672.8
Volatile Organic Compounds (VOC)[a]	12.5	54.6
Hazardous Air Pollutants	**Potential Emissions**	
	PPH	**TPY**
Antimony[c]	0.0007	0.0031
Arsenic[c]	0.0078	0.0341
Beryllium[c]	0.0003	0.0013
Cadmium[c]	0.00214	0.0094
Chromium[c]	0.0166	0.0727
Cobalt[c]	0.00409	0.0179
Manganese[c]	0.0253	0.1107
Mercury[c]	0.03514	0.1540
Nickel[c]	0.01974	0.0864
Selenium[c]	0.5068	2.22
Hydrochloric Acid (HCl)[c]	208.74	914.3
Hydrogen Flourine (HF)[c]	26.74	117.1
Sulfuric Acid (H_2SO_4)[c]	33.69	147.6
Dioxin Compounds[c]	3.65E-07	1.60E-06
Polycyclic Organics[c]	0.00432	0.0189
Acetaldehyde[a]	0.1184	0.519
Acrolein[a]	0.0602	0.264
Benzene[a]	0.270	1.183
Benzyl chloride[a]	0.145	0.637
Cyanide Compounds[a]	0.519	2.274
Formaldehyde[a]	0.050	0.218
Isophorone[a]	0.120	0.528
Methyl Bromide[a]	0.033	0.146
Methyl Chloride[a]	0.110	0.482
Methyl Ethyl Ketone[a]	0.081	0.355
Methyl Hydrazine[a]	0.035	0.155
Methylene chloride[a]	0.060	0.264
Propionaldehyde[a]	0.079	0.346
Toluene[a]	0.050	0.218

Emissions Data (Continued)

Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
CO_2[a]	1,026,440	4,495,807
Methane[a]	11.0	48.1
N_2O[a]	17.6	77.0

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

[a]Emissions based on 40 CFR 98, Table C-1 (CO_2, 93.4 kg/MMBtu) and Table C-2 (CH_4 and N_2O, 0.001 kg/MMBTu and 0.0016 kg/MMBtu respectively) for bituminous coal.
[b] Emissions based on 0.35 lbs/MMBtu NO_x limit from Phase II Acid Rain Permit.
[c] Emissions based on Electric Power Research Institute (EPRI) TRI for Power Plants RY2011 software.
[d] Emissions based on 45 CSR 2-4.1a TSP limit of 0.05 lbs/MMBtu.
[e] Emissions based on 3.10 lbs/MMBtu SO_2 limit per 45 CSR 10.
[f] Based on filterable particulate emissions only.

Supporting emission calculation information is provided in Appendix A

Applicable Requirements

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

45CSR2: Control of Particulate matter emissions from indirect heat exchangers
45CSR7: Control of Particulate from Manufacturing Source Operations
45CSR10: Control of sulfur dioxide emissions from in direct heat exchangers
45CSR11: Standby plans for emergency episodes.
45CSR13: Permit for construction, modification
45CSR30: Operating permit requirement
45CSR33: Acid Rain Provisions and Permits
45CSR34: Emission Standards for Hazardous Air Pollutants
40 CFR Part 64: Compliance Assurance Monitoring
40 CFR Part 63 Subpart UUUUU: National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units
40 CFR Part 72: Permits Regulation
40 CFR Part 74: Sulfur dioxide Opt-ins
40 CFR Part 75: Continuous Emissions Monitoring
40 CFR Part 76: Nitrogen Oxides Reduction Program
40 CFR Part 77: Excess Emissions
45CSR39: NOx Annual Trading Program
45CSR40: NO_x Ozone Season Trading Program
45CSR41: SO_2 Trading Program

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-AR, ***"Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station,"*** beginning on Page 34 of this document. Applicable Reference Codes for this unit include C-1, C-2, C-4, C-6, C-8, C-9, C-11, C-12, C-13, C-15, C-16 and C-29.

_**X**__ Permit Shield

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

45CSR2: monitoring/testing/recordkeeping/reporting
45CSR7: recordkeeping
45CSR10: monitoring/recordkeeping
45CSR11: recordkeeping
45CSR13: recordkeeping/reporting
45CSR30: monitoring/testing/recordkeeping/reporting
45CSR33: monitoring/testing/recordkeeping/reporting
45CSR34: monitoring/testing/recordkeeping/reporting
40 CFR Part 64: monitoring/recordkeeping/reporting
40 CFR Part 63 Subpart UUUUU: monitoring/testing/recordkeeping/reporting
40 CFR Part 72: recordkeeping/reporting
40 CFR Part 74: recordkeeping/reporting
40 CFR Part 75: monitoring/testing/recordkeeping/reporting
40 CFR Part 76: monitoring/recordkeeping
40 CFR Part 77: monitoring/recordkeeping/reporting
45CSR39: monitoring/recordkeeping/reporting
45CSR40: monitoring/recordkeeping/reporting
45CSR41: monitoring/recordkeeping/reporting

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-TRR, ***"Combustion Sources – Emission Unit Testing, Recordkeeping, and Reporting Requirements – Fort Martin Power Station,"*** beginning on Page 45 of this document. Applicable Reference Codes for this unit include CTRR-1, CTRR-3, CTRR-4, CTRR-5, CTRR-6, CTRR-7, CTRR-8, CTRR-9, CTRR-10, CTRR-11, CTRR-12, CTRR-17, and CTRR-24.

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 associated with this emission unit.**
Unit B2	Fort Martin Unit 2	ESP-2p, ESP-2s, FGD2

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
4,983 MMBtu/hr (nominal) Babcock & Wilcox boiler. The primary fuel is coal with No.2 distillate oil used for start-up and stabilization. The flue gas emissions are controlled with two ESPs installed in series for particulate control.

Manufacturer:	**Model number:**	**Serial number:**
Babcock & Wilcox		
Construction date:	**Installation date:**	**Modification date(s):**
	1968	

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 4,983 MMBtu/hr (Nominal)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
207.7 tons/hour coal	1,819,160 tons/year coal	8760 hours per year

Fuel Usage Data **(fill out all applicable 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: 4,983 MMBtu/hr (Nominal)	**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.

Coal – 207.7 tons/hr; 1,819,160 tons/yr

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Coal (Primary)	4.5%	14.0%	12,000 Btu/lb
#2 Fuel Oil (Start-Up/Stabilization)	< 0.5%	N/A	140,000 Btu/gal

Emissions Data		
Criteria Pollutants	**Potential Emissions**	
	PPH	**TPY**
Carbon Monoxide (CO)[a]	103.8	454.7
Nitrogen Oxides (NO_X)[b]	3,388.4	14,841.4
Lead (Pb)[c]	0.0548	0.024
Particulate Matter ($PM_{2.5}$)[a,f]	72.3	316.5
Particulate Matter (PM_{10})[a,f]	167.0	731.2
Total Particulate Matter (TSP)[d,f]	249.2	1,091.3
Sulfur Dioxide (SO_2)[e]	15,447.3	67,659.2
Volatile Organic Compounds (VOC)[a]	12.5	54.6
Hazardous Air Pollutants	**Potential Emissions**	
	PPH	**TPY**
Antimony[c]	0.00045	0.002
Arsenic[c]	0.00453	0.020
Beryllium[c]	0.00015	0.0007
Cadmium[c]	0.0016	0.007
Chromium[c]	0.0115	0.050
Cobalt[c]	0.00264	0.012
Manganese[c]	0.01634	0.072
Mercury[c]	0.03364	0.147
Nickel[c]	0.0141	0.062
Selenium[c]	0.507	2.22
Hydrochloric Acid (HCl)[c]	208.7	914.1
Hydrogen Flourine (HF)[c]	26.7	117.1
Sulfuric Acid (H_2SO_4)[c]	32.0	140.2
Dioxin Compounds[c]	3.65E-07	1.60E-06
Polycyclic Organics[c]	0.00432	0.019
Acetaldehyde[a]	0.118	0.518
Acrolein[a]	0.060	0.264
Benzene[a]	0.270	1.182
Benzyl chloride[a]	0.145	0.637
Cyanide Compounds[a]	0.519	2.274
Formaldehyde[a]	0.050	0.218
Isophorone[a]	0.120	0.528
Methyl Bromide[a]	0.033	0.146
Methyl Chloride[a]	0.110	0.482
Methyl Ethyl Ketone[a]	0.081	0.355
Methyl Hydrazine[a]	0.035	0.155
Methylene chloride[a]	0.060	0.264
Propionaldehyde[a]	0.079	0.346
Toluene[a]	0.050	0.218

Emissions Data (Continued)

Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
CO_2[a]	1,026,234	4,494,904
Methane[a]	11.0	48.1
N_2O[a]	17.6	77.0

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

[a] Emissions based on 40 CFR 98, Table C-1 (CO2, 93.4 kg/MMBtu) and Table C-2 (CH4 and N2O, 0.001 kg/MMBTu and 0.0016 kg/MMBtu respectively) for bituminous coal.
[b] Emissions based on 0.35 lbs/MMBtu NO_x limit from Phase II Acid Rain Permit.
[c] Emissions based on Electric Power Research Institute (EPRI) TRI for Power Plants RY2011 software.
[d] Emissions based on 45 CSR 2-4.1a TSP limit of 0.05 lbs/MMBtu.
[e] Emissions based on 3.10 lbs/MMBtu SO_2 limit per 45 CSR 10.
[f] Based on filterable particulate emissions only.

Supporting emission calculation information is provided in Appendix A.

Applicable Requirements

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

45CSR2: Control of Particulate matter emissions from indirect heat exchangers
45CSR7: Control of Particulate from Manufacturing Source Operations
45CSR10: Control of sulfur dioxide emissions from in direct heat exchangers
45CSR11: Standby plans for emergency episodes.
45CSR13: Permit for construction, modification
45CSR30: Operating permit requirement
45CSR33: Acid Rain Provisions and Permits
45CSR34: Emission Standards for Hazardous Air Pollutants
40 CFR Part 64: Compliance Assurance Monitoring
40 CFR Part 63 Subpart UUUUU: National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units
40 CFR Part 72: Permits Regulation
40 CFR Part 74: Sulfur dioxide Opt-ins
40 CFR Part 75: Continuous Emissions Monitoring
40 CFR Part 76: Nitrogen Oxides Reduction Program
40 CFR Part 77: Excess Emissions
45CSR39: NOx Annual Trading Program
45CSR40: NO_x Ozone Season Trading Program
45CSR41: SO_2 Trading Program

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-AR, ***"Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station,"*** beginning on Page 34 of this document. Applicable Reference Codes for this unit include C-1, C-2, C-4, C-6, C-8, C-9, C-11, C-12, C-13, C-15, C-16 and C-29.

_**X**__ Permit Shield

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

45CSR2: monitoring/testing/recordkeeping/reporting
45CSR7: recordkeeping
45CSR10: monitoring/recordkeeping
45CSR11: recordkeeping
45CSR13: recordkeeping/reporting
45CSR30: monitoring/testing/recordkeeping/reporting
45CSR33: monitoring/testing/recordkeeping/reporting
45CSR34: monitoring/testing/recordkeeping/reporting
40 CFR Part 64: monitoring/recordkeeping/reporting
40 CFR Part 63 Subpart UUUUU: monitoring/testing/recordkeeping/reporting
40 CFR Part 72: recordkeeping/reporting
40 CFR Part 74: recordkeeping/reporting
40 CFR Part 75: monitoring/testing/recordkeeping/reporting
40 CFR Part 76: monitoring/recordkeeping
40 CFR Part 77: monitoring/recordkeeping/reporting
45CSR39: monitoring/recordkeeping/reporting
45CSR40: monitoring/recordkeeping/reporting
45CSR41: monitoring/recordkeeping/reporting

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-TRR, ***"Combustion Sources – Emission Unit Testing, Recordkeeping, and Reporting Requirements – Fort Martin Power Station,"*** beginning on Page 45 of this document. Applicable Reference Codes for this unit include CTRR-1, CTRR-3, CTRR-4, CTRR-5, CTRR-6, CTRR-7, CTRR-8, CTRR-9, CTRR-10, CTRR-11, CTRR-12, CTRR-17, and CTRR-24.

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 associated with this emission unit.**
Blr 1A	Aux Boiler 1A	Low NOx Burners & FGR

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
The auxiliary boiler is rated at 115.3 MMBtu/hr and is No. 2 fuel oil fired.

Manufacturer:	**Model number:**	**Serial number:**
Indeck Power Equipment Co.	D4-85	

Construction date:	**Installation date:**	**Modification date(s):**
	2007	

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 115.3 MMBtu/hr

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
818 gal/hour No. 2 Oil	716,279 gal/yr No. 2 Oil	876 hours per year

Fuel Usage Data **(fill out all applicable 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: 115.3 MMBtu/hr	**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.

No. 2 Fuel Oil - 818 gal/hr; 735,903 gal/yr

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
No. 2 Fuel Oil	< 0.5%		141,000 btu/gal

Emissions Data

Criteria Pollutants[a]	**Potential Emissions**	
	PPH	**TPY**
Carbon Monoxide (CO)	4.09	1.79
Nitrogen Oxides (NO_X)	10.38	4.55
Lead (Pb)	1.04E-03	4.55E-04
Particulate Matter ($PM_{2.5}$)	1.27	0.56
Particulate Matter (PM_{10})	1.88	0.82
Total Particulate Matter (TSP)	1.64	0.72
Sulfur Dioxide (SO_2)	64.19	28.11
Volatile Organic Compounds (VOC)	0.16	0.07
Hazardous Air Pollutants[a]	**Potential Emissions**	
	PPH	**TPY**
Arsenic	4.61E-04	2.02E-04
Benzene	1.75E-04	7.66E-05
Beryllium	3.46E-04	1.52E-04
Cadmium	3.46E-04	1.52E-04
Chromium	3.46E-04	1.52E-04
Manganese	6.92E-04	3.03E-04
Mercury	3.46E-04	1.52E-04
Nickel	3.46E-04	1.52E-04
Polycyclic Organic Compounds	2.70E-03	1.18E-03
Toluene	5.07E-03	2.22E-03
Formaldehyde	2.70E-02	1.18E-02
Regulated Pollutants other than Criteria and HAP[a]	**Potential Emissions**	
	PPH,	**TPY**
CO_2	18,803	8,236
Methane	0.763	0.334
N_2O	0.153	0.067

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

[a] Potential emissions for each pollutant based on AP-42, Section 1.3 (rev 9/98). GHG Emission factors for CO2 (73.96 kg/mmBtu), CH4 (0.003 kg/mmBtu) and N2O (0.0006 kg/mmBtu) taken from 40 CFR Part 98, Subpart C, Table C-1, C-2

Supporting emission calculation information is provided in Appendix A.

Applicable Requirements

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

45CSR2: Control of Particulate matter emissions from indirect heat exchangers
45CSR7: Control of Particulate from Manufacturing Source Operations
45CSR11: Standby plans for emergency episodes.
45CSR13: Permit for construction, modification
45CSR16: Standard of Performance for New Stationary Sources Pursuant to 40 CFR Part 60
WVCode§22-5-4 (a)(14): Secretary can request any pertinent information.
45CSR30: Operating permit requirement
45CSR34: Emission Standards for Hazardous Air Pollutants
40 CFR Part 63 Subpart DDDDD: National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-AR, ***"Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station,"*** beginning on Page 34 of this document. Applicable Reference Codes for this unit include C-1, C-3, C-5, C-7, C-10, C-11, C-12, C-14, C-15, C-16, C-17, C-18, C-19, C-20, C-21, C-22, C-23 and C-28.

_**X**__ Permit Shield

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

45CSR2: monitoring/testing/recordkeeping/reporting
45CSR7: recordkeeping
45CSR11: recordkeeping
45CSR13: recordkeeping/reporting
45CSR16: recordkeeping
WVCode§22-5-4 (a)(14): recordkeeping/reporting
45CSR30: monitoring/testing/recordkeeping/reporting
45CSR34: monitoring/testing/recordkeeping/reporting
40 CFR Part 63 Subpart DDDDD: monitoring/testing/recordkeeping/reporting

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-TRR, ***"Combustion Sources – Emission Unit Testing, Recordkeeping, and Reporting Requirements – Fort Martin Power Station,"*** beginning on Page 45 of this document. Applicable Reference Codes for this unit include CTRR-2, CTRR-4, CTRR-6, CTRR-7, CTRR-8, CTRR-9, CTRR-10, CTRR-11, CTRR-12, CTRR-13, CTRR-15, CTRR-16, and CTRR-23.

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 associated with this emission unit.**
Blr 1B	Aux Boiler 1B	Low NOx Burners & FGR

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
The auxiliary boiler is rated at 115.3 MMBtu/hr and is No. 2 fuel oil fired.

Manufacturer:	**Model number:**	**Serial number:**
Indeck Power Equipment Co.	D4-85	

Construction date:	**Installation date:**	**Modification date(s):**
	2007	

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 115.3 MMBtu/hr

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
818 gal/hour No. 2 Oil	716,279 gal/yr No. 2 Oil	876 hours per year

Fuel Usage Data **(fill out all applicable 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: 115.3 MMBtu/hr	**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.

No. 2 Fuel Oil - 818 gal/hr; 735,903 gal/yr

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
No. 2 Fuel Oil	< 0.5%		141,000 btu/gal

Emissions Data

Criteria Pollutants[a]	**Potential Emissions**	
	PPH	**TPY**
Carbon Monoxide (CO)	4.09	1.79
Nitrogen Oxides (NO_X)	10.38	4.55
Lead (Pb)	1.04E-03	4.55E-04
Particulate Matter ($PM_{2.5}$)	1.27	0.56
Particulate Matter (PM_{10})	1.88	0.82
Total Particulate Matter (TSP)	1.64	0.72
Sulfur Dioxide (SO_2)	64.19	28.11
Volatile Organic Compounds (VOC)	0.16	0.07
Hazardous Air Pollutants[a]	**Potential Emissions**	
	PPH	**TPY**
Arsenic	4.61E-04	2.02E-04
Benzene	1.75E-04	7.66E-05
Beryllium	3.46E-04	1.52E-04
Cadmium	3.46E-04	1.52E-04
Chromium	3.46E-04	1.52E-04
Manganese	6.92E-04	3.03E-04
Mercury	3.46E-04	1.52E-04
Nickel	3.46E-04	1.52E-04
Polycyclic Organic Compounds	2.70E-03	1.18E-03
Toluene	5.07E-03	2.22E-03
Formaldehyde	2.70E-02	1.18E-02
Regulated Pollutants other than Criteria and HAP[a]	**Potential Emissions**	
	PPH	**TPY**
CO_2	18,803	8,236
Methane	0.763	0.334
N_2O	0.153	0.067

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

[a] Potential emissions for each pollutant based on AP-42, Section 1.3 (rev 9/98). GHG Emission factors for CO2 (73.96 kg/mmBtu), CH4 (0.003 kg/mmBtu) and N2O (0.0006 kg/mmBtu) taken from 40 CFR Part 98, Subpart C, Table C-1, C-2

Supporting emission calculation information is provided in Appendix A.

Applicable Requirements

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

45CSR2: Control of Particulate matter emissions from indirect heat exchangers
45CSR7: Control of Particulate from Manufacturing Source Operations
45CSR11: Standby plans for emergency episodes.
45CSR13: Permit for construction, modification
45CSR16: Standard of Performance for New Stationary Sources Pursuant to 40 CFR Part 60
WVCode§22-5-4 (a)(14): Secretary can request any pertinent information.
45CSR30: Operating permit requirement
45CSR34: Emission Standards for Hazardous Air Pollutants
40 CFR Part 63 Subpart DDDDD: National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-AR, ***"Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station,"*** beginning on Page 34 of this document. Applicable Reference Codes for this unit include C-1, C-3, C-5, C-7, C-10, C-11, C-12, C-14, C-15, C-16, C-17, C-18, C-19, C-20, C-21, C-22, C-23 and C-28.

_**X**__ Permit Shield

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

45CSR2: monitoring/testing/recordkeeping/reporting
45CSR7: recordkeeping
45CSR11: recordkeeping
45CSR13: recordkeeping/reporting
45CSR16: recordkeeping
WVCode§22-5-4 (a)(14): recordkeeping/reporting
45CSR30: monitoring/testing/recordkeeping/reporting
45CSR34: monitoring/testing/recordkeeping/reporting
40 CFR Part 63 Subpart DDDDD: monitoring/testing/recordkeeping/reporting

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-TRR, ***"Combustion Sources – Emission Unit Testing, Recordkeeping, and Reporting Requirements – Fort Martin Power Station,"*** beginning on Page 45 of this document. Applicable Reference Codes for this unit include CTRR-2, CTRR-4, CTRR-6, CTRR-7, CTRR-8, CTRR-9, CTRR-10, CTRR-11, CTRR-12, CTRR-13, CTRR-15, CTRR-16, and CTRR-23.

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 associated with this emission unit.**
EDG1	Emergency Generator No. 1	None

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
320 kW, 487 HP No. 2 fuel oil-fired emergency generator

Manufacturer:	**Model number:**	**Serial number:**
Caterpillar	3406B	

Construction date:	**Installation date:**	**Modification date(s):**
	1987	

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 320 kW

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
24.2 gal/hour	12,089 gal/year	500 hours per year

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

Does this emission unit combust fuel? _X_ Yes ___ No	**If yes, is it?** ___ Indirect Fired _X_ Direct Fired
Maximum design heat input and/or maximum horsepower rating: 3.41 MMBtu/hr	**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.

Low Sulfur No. 2 Fuel Oil - 24.2 gal/hr; 12,089 gal/yr

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Low Sulfur No. 2 Fuel Oil	< 0.2%	N/A	141,000 btu/gal

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	**TPY**
Carbon Monoxide (CO)[a]	3.24	0.81
Nitrogen Oxides (NO_X)[a]	15.0	3.76
Lead (Pb)[c]	3.07E-05	7.67E-06
Particulate Matter ($PM_{2.5}$)[a]	1.06	0.26
Particulate Matter (PM_{10})[a]	1.06	0.26
Total Particulate Matter (TSP)[a]	1.06	0.26
Sulfur Dioxide (SO_2)	1.7	0.43
Volatile Organic Compounds (VOC)[a]	1.23	0.31
Hazardous Air Pollutants	**Potential Emissions**	
	PPH	**TPY**
Arsenic[c]	1.36E-05	3.41E-06
Beryllium[c]	1.02E-05	2.56E-06
Cadmium[c]	1.02E-05	2.56E-06
Chromium[c]	1.02E-05	2.56E-06
Manganese[c]	2.05E-05	5.11E-06
Mercury[c]	1.02E-05	2.56E-06
Nickel[c]	1.02E-05	2.56E-06
Polycyclic Organic Compounds[d]	5.73E-04	1.43E-04
Benzene[d]	3.18E-03	7.95E-04
Toluene[d]	1.39E-03	3.49E-04
Xylenes[d]	9.72E-04	2.43E-04
Acetaldehyde[d]	2.61E-03	6.54E-04
Acrolein[d]	3.15E-04	7.88E-05
Formaldehyde[d]	4.02E-03	1.01E-03
Regulated Pollutants other than Criteria and HAP	**Potential Emissions**	
	PPH	**TPY**
CO_2[a]	559.1	139.8

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

[a] EPA AP-42, Tables 3.3-1 and 3.3-2 (10/96) for diesel industrial engines.
[b] SO2 emission based on 0.5% oil sulfur content.
[c] EPA AP-42, Table 1.3-10 (9/98), assumed oil-fired boiler emission factors.
[d] EPA AP-42, Table 3.3-2 (10/96).

Supporting emission calculation information is provided in Appendix A.

Applicable Requirements

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

45CSR34: Emission Standards for Hazardous Air Pollutants

40 CFR Part 63, Subpart ZZZZ: National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-AR, ***"Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station,"*** beginning on Page 34 of this document. Applicable Reference Codes for this unit include C-21 and C-22.

_**X**__ Permit Shield

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

45CSR34: Monitoring/testing/recordkeeping/reporting

40 CFR Part 63, Subpart ZZZZ: Monitoring/testing/recordkeeping/reporting

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-TRR, ***"Combustion Sources – Emission Unit Testing, Recordkeeping, and Reporting Requirements – Fort Martin Power Station,"*** beginning on Page 45 of this document. Applicable Reference Codes for this unit include CTRR-18 and CTRR-19.

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 associated with this emission unit.**
EDG2	Emergency Generator No. 2	None

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
320 kW, 487 HP No. 2 fuel oil-fired emergency generator

Manufacturer:	**Model number:**	**Serial number:**
Caterpillar	3406B	

Construction date:	**Installation date:**	**Modification date(s):**
	1989	

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 320 kW

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
24.2 gal/hour	12,089 gal/year	500 hours per year

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

Does this emission unit combust fuel? _X_ Yes ___ No	**If yes, is it?** ___ Indirect Fired _X_ Direct Fired
Maximum design heat input and/or maximum horsepower rating: 3.41 MMBtu/hr	**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.

Low Sulfur No. 2 Fuel Oil - 24.2 gal/hr; 12,089 gal/yr

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Low Sulfur No. 2 Fuel Oil	<0.2%	N/A	141,000 btu/gal

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	**TPY**
Carbon Monoxide (CO)[a]	3.24	0.81
Nitrogen Oxides (NO_X)[a]	15.0	3.76
Lead (Pb)[c]	3.07E-05	7.67E-06
Particulate Matter ($PM_{2.5}$)[a]	1.06	0.26
Particulate Matter (PM_{10})[a]	1.06	0.26
Total Particulate Matter (TSP)[a]	1.06	0.26
Sulfur Dioxide (SO_2)	1.7	0.43
Volatile Organic Compounds (VOC)[a]	1.23	0.31
Hazardous Air Pollutants	**Potential Emissions**	
	PPH	**TPY**
Arsenic[c]	1.36E-05	3.41E-06
Beryllium[c]	1.02E-05	2.56E-06
Cadmium[c]	1.02E-05	2.56E-06
Chromium[c]	1.02E-05	2.56E-06
Manganese[c]	2.05E-05	5.11E-06
Mercury[c]	1.02E-05	2.56E-06
Nickel[c]	1.02E-05	2.56E-06
Polycyclic Organic Compounds[d]	5.73E-04	1.43E-04
Benzene[d]	3.18E-03	7.95E-04
Toluene[d]	1.39E-03	3.49E-04
Xylenes[d]	9.72E-04	2.43E-04
Acetaldehyde[d]	2.61E-03	6.54E-04
Acrolein[d]	3.15E-04	7.88E-05
Formaldehyde[d]	4.02E-03	1.01E-03
Regulated Pollutants other than Criteria and HAP	**Potential Emissions**	
	PPH	**TPY**
CO_2[a]	559.1	139.8

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

[a] EPA AP-42, Tables 3.3-1 and 3.3-2 (10/96) for diesel industrial engines.
[b] SO2 emission based on 0.5% oil sulfur content.
[c] EPA AP-42, Table 1.3-10 (9/98), assumed oil-fired boiler emission factors.
[d] EPA AP-42, Table 3.3-2 (10/96).

Supporting emission calculation information is provided in Appendix A.

Applicable Requirements

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

45CSR34: Emission Standards for Hazardous Air Pollutants

40 CFR Part 63, Subpart ZZZZ: National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-AR, ***"Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station,"*** beginning on Page 34 of this document. Applicable Reference Codes for this unit include C-21 and C-22.

_**X**__ Permit Shield

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

45CSR34: Monitoring/testing/recordkeeping/reporting

40 CFR Part 63, Subpart ZZZZ: Monitoring/testing/recordkeeping/reporting

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-TRR, ***"Combustion Sources – Emission Unit Testing, Recordkeeping, and Reporting Requirements – Fort Martin Power Station,"*** beginning on Page 45 of this document. Applicable Reference Codes for this unit include CTRR-18 and CTRR-19.

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 associated with this emission unit.**
DG-CRU	Diesel Generator for Temporary/ Portable Coal Crusher	None

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
227 HP diesel generator used to power temporary coal crusher and associated conveyors.

Manufacturer:	**Model number:**	**Serial number:**
Detroit		
Construction date:	**Installation date:**	**Modification date(s):**
	2004	

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 227 HP

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
11.3 gal/hr	4,508 gal/yr	400 hours per year

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

Does this emission unit combust fuel? _X_ Yes ___ No	**If yes, is it?** ___ Indirect Fired _X_ Direct Fired
Maximum design heat input and/or maximum horsepower rating: 227 HP	**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.

Low Sulfur No. 2 Fuel Oil – 11.3 gal/hr; 4508 gal/yr

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Low Sulfur No. 2 Fuel Oil	< 0.2%	N/A	141,000 btu/gal

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	**TPY**
Carbon Monoxide (CO)[a]	1.52	0.30
Nitrogen Oxides (NO_X)[a]	7.04	1.41
Particulate Matter ($PM_{2.5}$)[a]	0.50	0.10
Particulate Matter (PM_{10})[a]	0.50	0.10
Total Particulate Matter (TSP)[a]	0.50	0.10
Sulfur Dioxide (SO_2)[b]	0.47	0.09
Volatile Organic Compounds (VOC)[a]	0.57	0.11

Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	**TPY**
CO_2[a]	261.1	52.21

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

[a] EPA AP-42, Tables 3.3-1 for diesel industrial engines.
[b] SO2 emission based on 0.5% oil sulfur content.

Supporting emission calculation information is provided in Appendix A.

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. R13-2729
_X__ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above 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/recordkeeping/reporting
Are you in compliance with all applicable requirements for this emission unit? _<u>X</u>_ Yes **___** No If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
EDQP-1	Emergency Generator for FGD1 Quench Pump	None

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
252-HP emergency diesel pump used to for FGD-1.

Manufacturer:	**Model number:**	**Serial number:**
Clark Power Systems	JW6H-UF38	

Construction date:	**Installation date:**	**Modification date(s):**
	2008	

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 252-HP

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
14.0 gal/hr	7,000 gal/yr	500 hours per year

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

Does this emission unit combust fuel? _X_ Yes ___ No	**If yes, is it?** ___ Indirect Fired _X_ Direct Fired
Maximum design heat input and/or maximum horsepower rating: 252 bhp	**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.

Ultra-low sulfur diesel fuel – 14.0 gal/hr; 7000 gal/yr

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Ultra-low sulfur diesel fuel	0.0015%	N/A	139,000 btu/gal

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	**TPY**
Carbon Monoxide (CO)[a]	0.48	0.12
Nitrogen Oxides (NO_X)[a]	4.13	1.03
Particulate Matter ($PM_{2.5}$)[a]	0.09	0.02
Particulate Matter (PM_{10})[a]	0.09	0.02
Total Particulate Matter (TSP)[a]	0.09	0.02
Sulfur Dioxide (SO_2)[b]	0.52	0.13
Volatile Organic Compounds (VOC)[a]	0.15	0.04

Hazardous Air Pollutants	Potential Emissions	
	PPH	**TPY**
Benzene[c]	1.8E-03	5.0E-04
Toluene[c]	8.0E-04	2.0E-04
Xylenes[c]	6.0E-04	1.0E-04
Formaldehyde[c]	2.3E-03	6.0E-04

Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	**TPY**
CO_2[b]	289.8	72.5

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

[a] Emissions based on equipment specification sheets.
[b] EPA AP-42, Tables 3.3-1 for diesel industrial engines.
[c] HAP emissions based on EPA AP-42, Tables 3.3-2 for diesel industrial engines.

Supporting emission calculation information is provided in Appendix A.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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: Permit for construction, modification
45CSR16: Standard of Performance for New Stationary Sources Pursuant to 40 CFR Part 60
45CSR34: Emission Standards for Hazardous Air Pollutants
40 CFR Part 60, Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
G60-C006

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-AR, ***"Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station,"*** beginning on Page 34 of this document. Applicable Reference Codes for this unit include C-23, C-24, C-25, C-26 and C-27.

_**X**__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above 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: Recordkeeping/reporting
45CSR16: Recordkeeping/reporting
45CSR34: Recordkeeping/reporting
40 CFR Part 60, Subpart IIII: Recordkeeping/reporting
G60-C006: Recordkeeping/reporting

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-TRR, ***"Combustion Sources – Emission Unit Testing, Recordkeeping, and Reporting Requirements – Fort Martin Power Station,"*** beginning on Page 45 of this document. Applicable Reference Codes for this unit include CTRR-20, CTRR-21 and CTRR-22.

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 associated with this emission unit.**
EDQP-2	Emergency Generator for FGD1 Quench Pump	None

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
252 HP emergency diesel pump used to for FGD-2.

Manufacturer:	**Model number:**	**Serial number:**
Clark Power Systems	JW6H-UF38	

Construction date:	**Installation date:**	**Modification date(s):**
	2008	

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 252 HP

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
14.0 gal/hr	7,000 gal/yr	500 hours per year

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

Does this emission unit combust fuel? _X_Yes ___ No	**If yes, is it?** ___ Indirect Fired _X_ Direct Fired
Maximum design heat input and/or maximum horsepower rating: 252HP	**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.

Ultra-low Sulfur Diesel Fuel – 14.0 gal/hr; 7000 gal/yr

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Ultra-low sulfur diesel fuel	0.0015%	N/A	139,000 btu/gal

Emissions Data		
Criteria Pollutants	**Potential Emissions**	
	PPH	**TPY**
Carbon Monoxide (CO)[a]	0.48	0.12
Nitrogen Oxides (NO_X)[a]	4.13	1.03
Particulate Matter ($PM_{2.5}$)[a]	0.09	0.02
Particulate Matter (PM_{10})[a]	0.09	0.02
Total Particulate Matter (TSP)[a]	0.09	0.02
Sulfur Dioxide (SO_2)[b]	0.52	0.13
Volatile Organic Compounds (VOC)[a]	0.15	0.04
Hazardous Air Pollutants	**Potential Emissions**	
	PPH	**TPY**
Benzene[c]	1.8E-03	5.0E-04
Toluene[c]	8.0E-04	2.0E-04
Xylenes[c]	6.0E-04	1.0E-04
Formaldehyde[c]	2.3E-03	6.0E-04
Regulated Pollutants other than Criteria and HAP	**Potential Emissions**	
	PPH	**TPY**
CO_2[b]	289.8	72.5

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

[a] Emissions based on equipment specification sheets.
[b] EPA AP-42, Tables 3.3-1 for diesel industrial engines.
[c] HAP emissions based on EPA AP-42, Tables 3.3-2 for diesel industrial engines.

Supporting emission calculation information is provided in Appendix A.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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: Permit for construction, modification
45CSR16: Standard of Performance for New Stationary Sources Pursuant to 40 CFR Part 60
45CSR34: Emission Standards for Hazardous Air Pollutants
40 CFR Part 60, Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
G60-C006

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-AR, ***"Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station,"*** beginning on Page 34 of this document. Applicable Reference Codes for this unit include C-23, C-24, C-25, C-26 and C-27.

_**X**__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above 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: Recordkeeping/reporting
45CSR16: Recordkeeping/reporting
45CSR34: Recordkeeping/reporting
40 CFR Part 60, Subpart IIII: Recordkeeping/reporting
G60-C006: Recordkeeping/reporting

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-TRR, ***"Combustion Sources – Emission Unit Testing, Recordkeeping, and Reporting Requirements – Fort Martin Power Station,"*** beginning on Page 45 of this document. Applicable Reference Codes for this unit include CTRR-20, CTRR-21 and CTRR-22.

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: EDQP-3	**Emission unit name:** Emergency Generator for FGD1 Quench Pump	**List any control devices associated with this emission unit.** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): 252 HP emergency diesel pump used to for FGD-2.		
Manufacturer: Clark Power Systems	**Model number:** JW6H-UF38	**Serial number:**
Construction date:	**Installation date:** 2009	**Modification date(s):**
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 252 HP		
Maximum Hourly Throughput: 14.0 gal/hr	**Maximum Annual Throughput:** 7,000 gal/yr	**Maximum Operating Schedule:** 500 hours per year
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? _X_ Yes ___ No		**If yes, is it?** ___ Indirect Fired _X_ Direct Fired
Maximum design heat input and/or maximum horsepower rating: 252HP		**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. Ultra-low Sulfur Diesel Fuel – 14.0 gal/hr; 7000 gal/yr		
Describe each fuel expected to be used during the term of the permit.		

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Ultra-low sulfur diesel fuel	0.0015%	N/A	139,000 btu/gal

Emissions Data

Criteria Pollutants	**Potential Emissions**	
	PPH	**TPY**
Carbon Monoxide (CO)[a]	0.48	0.12
Nitrogen Oxides (NO_X)[a]	4.13	1.03
Particulate Matter ($PM_{2.5}$)[a]	0.09	0.02
Particulate Matter (PM_{10})[a]	0.09	0.02
Total Particulate Matter (TSP)[a]	0.09	0.02
Sulfur Dioxide (SO_2)[b]	0.52	0.13
Volatile Organic Compounds (VOC)[a]	0.15	0.04

Hazardous Air Pollutants	**Potential Emissions**	
	PPH	**TPY**
Benzene[c]	1.8E-03	5.0E-04
Toluene[c]	8.0E-04	2.0E-04
Xylenes[c]	6.0E-04	1.0E-04
Formaldehyde[c]	2.3E-03	6.0E-04

Regulated Pollutants other than Criteria and HAP	**Potential Emissions**	
	PPH	**TPY**
CO_2[b]	289.8	72.5

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

[a] Emissions based on equipment specification sheets.
[b] EPA AP-42, Tables 3.3-1 for diesel industrial engines.
[c] HAP emissions based on EPA AP-42, Tables 3.3-2 for diesel industrial engines.

Supporting emission calculation information is provided in Appendix A.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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: Permit for construction, modification
45CSR16: Standard of Performance for New Stationary Sources Pursuant to 40 CFR Part 60
45CSR34: Emission Standards for Hazardous Air Pollutants
40 CFR Part 60, Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
G60-C006

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-AR, ***"Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station,"*** beginning on Page 34 of this document. Applicable Reference Codes for this unit include C-23, C-24, C-25, C-26 and C-27.

_**X**__ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above 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: Recordkeeping/reporting
45CSR16: Recordkeeping/reporting
45CSR34: Recordkeeping/reporting
40 CFR Part 60, Subpart IIII: Recordkeeping/reporting
G60-C006: Recordkeeping/reporting

(Detailed applicable requirements, noted as the highlighted Reference Codes, can be found in Table C-TRR, ***"Combustion Sources – Emission Unit Testing, Recordkeeping, and Reporting Requirements – Fort Martin Power Station,"*** beginning on Page 45 of this document. Applicable Reference Codes for this unit include CTRR-20, CTRR-21 and CTRR-22.

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**.

Table C-AR

Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station

(Compilation of Applicable Requirements)

TABLE C-AR

Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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 Point ID (Reference Attachment D "Emissions Units Table" For Key)	Reference Code	Applicable Requirement Citation	Permit Condition Number from Permit R30-06100001-2015	Emissions Unit-Specific Applicable Requirement Summary	Link to Monitoring / Testing / Recordkeeping / Reporting Requirements
Stack 1, Stack 2, Aux Blr Stk	C-1	45CSR§2-10.1. State-Enforceable only	4.0.1	**Emergency Operating Scenarios** In the event of an unavoidable shortage of fuel having characteristics or specifications necessary to comply with the visible emission standard set forth in permit condition 4.1.1. of this permit, or any emergency situation or condition creating a threat to public safety or welfare, the Secretary may grant an exemption to the otherwise applicable visible emission standards for a period not to exceed fifteen (15) days, provided that visible emissions during that period do not exceed a maximum six (6) minute average of thirty (30) percent and that a reasonable demonstration is made by the owner or operator that the weight emission standards under permit conditions 4.1.3. and/or 4.1.4. of this permit, will not be exceeded during the exemption period.	None Required
Stack 1, Stack 2	C-2	45CSR§2-3.1.	4.1.1	**Visible Emissions:** Visible Emissions from each stack shall not exceed ten (10) percent opacity based on a six-minute block average**.**	CTRR-1 CTRR-6 CTRR-7 CTRR-8 CTRR-9 CTRR-10 CTRR-11

Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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 Point ID (Reference Attachment D "Emissions Units Table" For Key)	Reference Code	Applicable Requirement Citation	Permit Condition Number from Permit R30-06100001-2015	Emissions Unit-Specific Applicable Requirement Summary	Link to Monitoring / Testing / Recordkeeping / Reporting Requirements
Aux Blr Stk	C-3	45CSR§2-3.1.	4.1.24	**Visible Emissions:** Visible Emissions from this stack shall not exceed ten (10) percent opacity based on a six minute block average.	CTRR-2 CTRR-6 CTRR-7 CTRR-8 CTRR-9 CTRR-10 CTRR-11
Stack 1, Stack 2	C-4	45CSR§2-3.2., 45CSR§2A-6]	4.1.2	**Visible Emissions Compliance:** Compliance with the visible emission requirements of 45CSR2 section 3.1 shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 and as described in the approved monitoring plan. Continuous opacity monitors shall not be required on fuel burning units which employ wet scrubbing systems for emission control.	CTRR-1
Aux Boiler Stk	C-5	45CSR§2-3.2., 45CSR§2A-6]	4.1.2	**Visible Emissions Compliance:** Compliance with the visible emission requirements of 45CSR2 section 3.1 shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 and as described in the approved monitoring plan.	CTRR-2
Stack 1, Stack 2	C-6	45CSR§2-4.1.a.	4.1.3	**Particulate Matter:** Particulate matter emissions from each stack shall not exceed 249.2 lb/hr.	CTRR-3 CTRR-6 CTRR-7 CTRR-8 CTRR-11
Aux Boiler Stk	C-7	45CSR§2-4.1.b.	4.1.4	**Particulate Matter:** Particulate matter emissions from this stack shall not exceed 20.7 lb/hr.	CTRR-6 CTRR-7 CTRR-8 CTRR-11

Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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 Point ID (Reference Attachment D "Emissions Units Table" For Key)	Reference Code	Applicable Requirement Citation	Permit Condition Number from Permit R30-06100001-2015	Emissions Unit-Specific Applicable Requirement Summary	Link to Monitoring / Testing / Recordkeeping / Reporting Requirements
Stack 1, Stack 2	C-8	45CSR§2-4.4.	4.1.5	**Addition of Sulfur Oxides for Particulate Control:** The addition of sulfur oxides to a combustion unit exit gas stream for the purpose of improving emissions control equipment is prohibited unless written approval for such addition is provided by the Secretary.	None Required
Stack 1, Stack 2	C-9	45CSR§2-9.1.	4.1.10	**Visible Emissions Applicability**: The visible emission standards set forth in 45CSR2 Section 3 (Section 4.1.1 of this permit) shall apply at all times except in periods of start-ups, shutdowns and malfunctions. Where the Director believes that start-ups and shutdowns are excessive in duration and/or frequency, the Director may require an owner or operator to provide a written report demonstrating that such frequent start-ups and shutdowns are necessary.	CTRR-1
Aux Boiler Stk	C-10	45CSR§2-9.1.	4.1.10	**Visible Emissions Applicability**: The visible emission standards set forth in 45CSR2 Section 3 (Section 4.1.1 of this permit) shall apply at all times except in periods of start-ups, shutdowns and malfunctions. Where the Director believes that start-ups and shutdowns are excessive in duration and/or frequency, the Director may require an owner or operator to provide a written report demonstrating that such frequent start-ups and shutdowns are necessary.	CTRR-2

Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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 Point ID (Reference Attachment D "Emissions Units Table" For Key)	Reference Code	Applicable Requirement Citation	Permit Condition Number from Permit R30-06100001-2015	Emissions Unit-Specific Applicable Requirement Summary	Link to Monitoring / Testing / Recordkeeping / Reporting Requirements
Stack 1, Stack 2, Aux Boiler Stk	C-11	45CSR§2-9.2., 45CSR16	4.1.11	**Good Pollution Control Practice:** Any fuel burning unit(s) including associated air pollution control equipment, shall at all times, including periods of start-up, shutdowns, and malfunctions, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Director which may include, but is not limited to, monitoring results, visible emission observations, review of operating and maintenance procedures and inspection of the source.	None Required
Stack 1, Stack 2	C-12	45CSR33	4.1.13	**Nitrogen Oxides:** Nitrogen oxides emissions from ***Stack 1 & Stack 2*** shall not exceed the NOx limits specified in the Acid Rain Permit (Appendix C).	CTRR-5 CTRR-17
Stack 1, Stack 2	C-13	45CSR10-3.3.a.	4.1.14	**Sulfur Dioxide:** Sulfur dioxide emissions from each stack (***Stack 1 & Stack 2***) shall not exceed 15,451 lb/hr.	CTRR-5 CTRR-17
Aux Boiler Stk	C-14	45CSR§10-3.1.e.	4.1.15	**Sulfur Dioxide:** Sulfur dioxide emissions from the Auxiliary Boiler Stack shall not exceed 737.9 lb/hr.	CTRR-4 CTRR-10

Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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 Point ID (Reference Attachment D "Emissions Units Table" For Key)	Reference Code	Applicable Requirement Citation	Permit Condition Number from Permit R30-06100001-2015	Emissions Unit-Specific Applicable Requirement Summary	Link to Monitoring / Testing / Recordkeeping / Reporting Requirements
Stack 1, Stack 2, Aux Boiler Stk	C-15	45CSR§10-3.8.	4.1.16	**Sulfur Dioxide Compliance:** Compliance with the allowable sulfur dioxide emission limitations from fuel burning units shall be based on a continuous twenty-four (24) hour averaging time. Emissions shall not be allowed to exceed the weight emissions standards for sulfur dioxide as set forth in 45CSR10, except during one (1) continuous twenty-four (24) hour period in each calendar month. During this one (1) continuous twenty-four hour period, emissions shall not be allowed to exceed such weight emission standards by more than ten percent (10%) without causing a violation of 45CSR10. A continuous twenty-four (24) hour period is defined as one (1) calendar day.	CTRR-4 CTRR-10

Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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 Point ID (Reference Attachment D "Emissions Units Table" For Key)	Reference Code	Applicable Requirement Citation	Permit Condition Number from Permit R30-06100001-2015	Emissions Unit-Specific Applicable Requirement Summary	Link to Monitoring / Testing / Recordkeeping / Reporting Requirements
Stack 1, Stack 2	C-16	45CSR33, 40 C.F.R. Parts 72, 73, 74, 75, 76, 77, 78.	4.1.17	**Phase II Acid Rain Requirements:** Unit No 1 and Unit No. 2 are Phase II Acid Rain affected units under 45CSR33, as defined by 40 C.F.R § 72.6, and as such are required to meet the requirements of 40 C.F.R. Parts 72, 73, 74, 75, 76, 77 and 78. These requirements include, but are not limited to: **a**. Hold an Acid Rain permit; **b.** Hold allowances, as of the allowance transfer deadline, in the unit's compliance sub-account of not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; **c.** Comply with the applicable Acid Rain emissions for sulfur dioxide; **d.** Comply with the applicable Acid Rain emissions for nitrogen oxides; **e.** Comply with the monitoring requirements of 40 CFR. Part 75 and section 407 of the Clean Air Act of 1990 and regulations implementing section 407 of the Act; **f.** Submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR Part 72, Subpart I and 40 CFR Part 75.	CTRR-5 CTRR-17
Aux Boiler Stk	C-17	45 CSR 13, R13-2075	4.1.18	**Auxiliary Boiler Emission Limits:** See permit condition 4.1.18 of current Title V permit for lb/hr and tpy limits on SO2, NOx, CO, VOC, PM, PM-10, formaldehyde, and Total HAPS.	CTRR-13

Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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 Point ID (Reference Attachment D "Emissions Units Table" For Key)	Reference Code	Applicable Requirement Citation	Permit Condition Number from Permit R30-06100001-2015	Emissions Unit-Specific Applicable Requirement Summary	Link to Monitoring / Testing / Recordkeeping / Reporting Requirements
Aux Boiler Stk	C-18	45 CSR 13, R13-2075	4.1.19	**Auxiliary Boiler Fuel:** The auxiliary boiler shall fire exclusively No. 2 fuel oil with a maximum sulfur content of 0.50%	CTRR-14
Aux Boiler Stk	C-19	45 CSR 13, R13-2075	4.1.20	**Auxiliary Boiler Fuel:** Annual fuel use for each auxiliary boiler shall not exceed 716,279 gallons per year.	CTRR-14
Aux Boiler Stk	C-20	45 CSR 13, R13-2075	4.1.21	**Auxiliary Boiler Operating Hours:** Annual hours of operation for each auxiliary boiler shall not exceed 876 hours per year.	CTRR-15
Aux Boiler Stk	C-21	45 CSR 13, R13-2075	4.1.22	**Auxiliary Boiler HCl Emissions:** Emissions of HCl from the auxiliary boiler stack shall not exceed 0.0009 lbs/mmbtu.	CTRR-16
Aux Boiler Stk	C-22	45 CSR 13, R13-2075	4.1.23	**Auxiliary Boiler PM Emissions:** Emissions of PM from the auxiliary boiler stack shall not exceed 0.03 lbs/mmbtu.	CTRR-16
Aux Boiler Stk	C-23	45 CSR 13, R13-2075	4.1.24	**Auxiliary Boiler CO Emissions:** Emissions of Co from the auxiliary boiler stack shall not exceed 400 ppm at 3% Oxygen.	CTRR-16
EDG1, EDG2	C-21	45CSR§10-4.1	5.1.1	**Exhaust Gas SO_2 Concentration Limit**: - Exhaust gas concentration of SO_2 must not exceed 2000 ppmv.	CTRR-18
EDG1, EDG2	C-22	40 CFR Part 63, Subpart ZZZZ 40 CFR § 63.6640 and Table 2c	7.1.14	**NESHAPS for Stationary Reciprocating Internal Combustion Engines (RICE):** Demonstrate continuous compliance with the requirements of Table 2c for "existing" CI RICE engines < 500 HP located at a major source. Report deviations according to 63.6650. EDG 1 &2 comply with (f)1-4 of this section, as well as Condition 1 of Table 2c.	CTRR-19

Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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 Point ID (Reference Attachment D "Emissions Units Table" For Key)	Reference Code	Applicable Requirement Citation	Permit Condition Number from Permit R30-06100001-2015	Emissions Unit-Specific Applicable Requirement Summary	Link to Monitoring / Testing / Recordkeeping / Reporting Requirements
EDQP-1, EDQP-2, EDQP-3	C-23	WVDEP Class II GP G60 Permit Condition 7.1.1 40 CFR § 60.4200	7.1.1	**Maximum Yearly Operation Limitation -** The maximum yearly hours of operation for any registered 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.	CTRR-20
EDQP-1, EDQP-2, EDQP-3	C-24	40 CFR § 60.4205(a)	7.1	**Emission Standards -** Owners and operators of pre-2007 model year emergency stationary CI (compression ignition) ICE (internal combustion engines) with a displacement of less than 10 liters per cylinder that are not fire pump engines must comply with the emission standards in table 1 to this subpart.	CTRR-21 CTRR-22
EDQP-1, EDQP-2, EDQP-3	C-25	40 CFR § 60.4205(b)	7.1	**Emission Standards -** Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in §60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.	CTRR-21 CTRR-22
EDQP-1, EDQP-2, EDQP-3	C-26	40 CFR § 60.4207(a)	7.1	**Fuel Requirements -** Beginning October 1, 2007, owners and operators of stationary CI ICE subject to this subpart that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(a).	CTRR-21 CTRR-22

Source-Specific Applicable Requirements for Combustion Sources – Fort Martin Power Station

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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 Point ID (Reference Attachment D "Emissions Units Table" For Key)	Reference Code	Applicable Requirement Citation	Permit Condition Number from Permit R30-06100001-2015	Emissions Unit-Specific Applicable Requirement Summary	Link to Monitoring / Testing / Recordkeeping / Reporting Requirements
EDQP-1, EDQP-2, EDQP-3	C-27	40 CFR § 60.4207(b)	7.1.3	**Fuel Requirements -** Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel.	CTRR-21 CTRR-22
Aux Boiler Stk	C-28	45CSR34; 40 CFR Part 63, Subpart DDDDD	4.1.25	**Auxiliary Boilers 1A and 1B** shall comply with all applicable requirements of 40 CFR Part 63, Subpart DDDDD, "Industrial, Commercial, and Institutional Boilers and Process Heaters MACT," for limited-use boilers and process heaters.	CTRR-23
Stack 1, Stack 2	C-29	45CSR30-6.5.b; 45CSR34	4.1.12	**Electric Utility Steam Generating Units (EGU) MACT, 40 CFR Part 63, Subpart UUUUU.** Units B1 and B2 shall comply with all applicable requirements for existing affected sources, pursuant to 40 CFR 63, Subpart UUUUU, "National Emissions Standards for Hazardous Air Pollutants: Coal and Oil-Fired Electric Utility Steam Generating Units."	CTRR-24

Table C-TRR

C-TRR. Combustion Sources – Emissions Unit Testing, Recordkeeping and Reporting Requirements – Fort Martin Power Station

(Compilation of Monitoring, Testing, Reporting and Recordkeeping Requirements)

TABLE C-TRR

C-TRR. Combustion Sources – Emissions Unit Testing, Recordkeeping and Reporting Requirements – Fort Martin Power Station				
Reference Code	**Emission Point ID (See Attachment D "Equipment Table" For Key)**	**Applicable Requirement Citation**	**Permit Condition Number from Permit R30-06100001-2015**	**Emission Unit-Specific Applicable Requirement Summary**
CTRR-1	Stack 1, Stack 2	45CSR§§2-3.2. & 8.2.	4.2.1	Compliance with the visible emission requirements for ***Stack 1 and Stack 2*** shall be determined as outlined in section I.A. of the "45CSR2 Monitoring Plan"
CTRR-2	Aux Boiler Stk	45CSR§§2-3.2. & 8.2.	4.2.1	Compliance with the visible emission requirements for ***Auxiliary Boiler Stack*** shall be determined as outlined in section I.A. of the "45CSR2 Monitoring Plan"

C-TRR. Combustion Sources – Emissions Unit Testing, Recordkeeping and Reporting Requirements – Fort Martin Power Station

Reference Code	Emission Point ID (See Attachment D "Equipment Table" For Key)	Applicable Requirement Citation	Permit Condition Number from Permit R30-06100001-2015	Emission Unit-Specific Applicable Requirement Summary
CTRR-3	Stack 1, Stack 2	45CSR§2-8.1., 45CSR§2A-5.2.	4.3.1	The owner or operator shall conduct, or have conducted, tests to determine the compliance of ***Boiler #1 (Stack 1) & Boiler #2 (Stack 2)*** with the particulate matter weight emission standards. Such tests shall be conducted in accordance with the appropriate method set forth in 45CSR2 Appendix - Compliance Test Procedures for 45CSR2 or other equivalent EPA approved method approved by the Secretary. Such tests shall be conducted in accordance with the schedule set forth in the following table.

Test	Test Results	Retesting Frequency
Initial Baseline	≤50% of weight emission standard	Once/3 years
Initial Baseline	between 50% and 80 % of weight emission standard	Once/2 years
Initial Baseline	≥80% of weight emission standard	Annual
Annual	after three successive tests indicate mass emission rates ≤50% of weight emission standard	Once/3 years
Annual	after two successive tests indicate mass emission rates <80 % of weight emission standard	Once/2 years
Annual	any test indicates a mass emission rate ≥80% of weight emission standard	Annual
Once/2 years	after two successive tests indicate mass emission rates ≤50% of weight emission standard	Once/3 years
Once/2 years	any test indicates a mass emission rate <80 % of weight emission standard	Once/2 years
Once/2 years	any test indicates a mass emission rate >80% of weight emission standard	Annual
Once/3 years	any test indicates a mass emission rate ≤50% of weight emission standard	Once/3 years
Once/3 years	any test indicates mass emission rates between 50% and 80 % of weight emission standard	Once/2 years
Once/3 years	any test indicates a mass emission rate ≥80% of weight emission standard	Annual

C-TRR. Combustion Sources – Emissions Unit Testing, Recordkeeping and Reporting Requirements – Fort Martin Power Station				
Reference Code	**Emission Point ID (See Attachment D "Equipment Table" For Key)**	**Applicable Requirement Citation**	**Permit Condition Number from Permit R30-06100001-2015**	**Emission Unit-Specific Applicable Requirement Summary**
CTRR-4	Stack 1, Stack 2, Aux Boiler Stk	45CSR§§2-8.3.c	4.4.1	Maintain records of the operating schedule and the quantity and quality of fuel consumed in each fuel burning unit as outlined in "45CSR2 Monitoring Plan" attached as Appendix B of this permit. Such records are to be maintained on-site and made available to the Director or his duly authorized representative upon request.
CTRR-5	Stack 1, Stack 2	45CSR33, 40 C.F.R. § 75.64	4.5.1	The designated representative shall electronically report SO_2, NO_x, and CO_2 emissions data and information as specified in 40 C.F.R. § 75.64 to the Administrator of USEPA, quarterly. Each electronic report must be submitted within thirty (30) days following the end of each calendar quarter.
CTRR-6	Stack 1, Stack 2, Aux Boiler Stk	45CSR§2-9.3.a. State-Enforceable only	4.5.3.1	Excess opacity periods, resulting from any malfunction, meeting the following conditions may be reported on a quarterly basis unless otherwise required by the Director: **a**. The excess opacity period does not exceed thirty (30) minutes within any twenty-four (24) hour period; and **b.** Excess opacity does not exceed forty percent (40%).

C-TRR. Combustion Sources – Emissions Unit Testing, Recordkeeping and Reporting Requirements – Fort Martin Power Station				
Reference Code	**Emission Point ID (See Attachment D "Equipment Table" For Key)**	**Applicable Requirement Citation**	**Permit Condition Number from Permit R30-06100001-2015**	**Emission Unit-Specific Applicable Requirement Summary**
CTRR-7	Stack 1, Stack 2, Aux Boiler Stk	45CSR§2-9.3.b. State-Enforceable only	4.5.3.2	The owner or operator shall report to the Director by telephone, telefax, or e-mail any malfunction which results in excess particulate matter or excess opacity by the end of the next business day after becoming aware of such condition. The owner or operator shall file a certified written report concerning the malfunction with the Secretary within thirty (30) days providing the following information: **a**. A detailed explanation of the factors involved or causes of the malfunction; **b**. The date, and time of duration (with starting and ending times) of the period of excess emissions; **c**. An estimate of the mass of excess emissions discharged during the malfunction period; **d.** The maximum opacity measured or observed during the malfunction; **e**. Immediate remedial actions taken at the time of the malfunction to correct or mitigate the effects of the malfunction; and **f.** A detailed explanation of the corrective measures or program that will be implemented to prevent a recurrence of the malfunction and a schedule for such implementation.
CTRR-8	Stack 1, Stack 2, Aux Boiler Stk	45CSR§2-8.1.a.	4.1.6	Compliance with the visible emission limit shall be demonstrated by periodic testing in accordance with 40 CFR Part 60, Appendix A, Method 9, or a certified continuous opacity monitoring system, as approved by the Director, and 45CSR2 Section 4 by periodic particulate matter stack testing conducted in accordance with the appropriate test method set forth in the Appendix to 45CSR2 or other equivalent EPA approved method by the Director. Such testing shall be conducted at a frequency to be established by the Director.
CTRR-9	Stack 1, Stack 2, Aux Boiler Stk	45CSR§2-8.2.a.	4.1.7	Compliance with the visible emissions limit shall be monitored as set forth in the approved monitoring plan (attached in Appendix B) for each emission unit.

C-TRR. Combustion Sources – Emissions Unit Testing, Recordkeeping and Reporting Requirements – Fort Martin Power Station				
Reference Code	**Emission Point ID (See Attachment D "Equipment Table" For Key)**	**Applicable Requirement Citation**	**Permit Condition Number from Permit R30-06100001-2015**	**Emission Unit-Specific Applicable Requirement Summary**
CTRR-10	Stack 1, Stack 2, Aux Boiler Stk	45CSR§2-8.3.a.	4.1.8	Records of monitored data established in the monitoring plan shall be maintained on site and shall be made available to the Director or his duly authorized representative upon request. Such records shall be retained for a minimum of five years.
CTRR-11	Stack 1, Stack 2, Aux Boiler Stk	45CSR§2-8.3.b., 45CSR2A	4.1.9 4.5.2	A periodic exception report shall be submitted to the Secretary, in a manner and at a frequency to be established by the Secretary. Such exception report shall provide details of all excursions outside the range of measured emissions or monitored parameters established in an approved monitoring plan, and shall include, but not be limited to, the time of the excursion, the magnitude of the excursion, the duration of the excursion, the cause of the excursion and the corrective action taken. Compliance with the periodic exception reporting of shall be demonstrated as outlined in "45CSR2 Monitoring Plan" attached as Appendix B of this permit.
CTRR-12	Stack 1, Stack 2, Aux Boiler Stk	45CSR§2-8.3.c.	4.4.1	Records of the operating schedule and the quantity and quality of fuel consumed in each fuel burning unit, shall be maintained on-site in a manner to be established by the Secretary and made available to the Director or his duly authorized representative upon request.
CTRR-13	Aux Boiler Stk	45 CSR 13, R13-2705	4.4.2 4.4.3	The permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures. The permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. See recordkeeping requirement details in condition 4.4.3 of current permit.
CTRR-14	Aux Boiler Stk	45 CSR 13, R13-2705	4.4.4	The permittee shall keep certified monthly records of the amount of fuel consumed by each auxiliary boiler.
CTRR-15	Aux Boiler Stk	45 CSR 13, R13-2705	4.4.5	The permittee shall keep certified daily records of the number of hours of operation of each auxiliary boiler.

C-TRR. Combustion Sources – Emissions Unit Testing, Recordkeeping and Reporting Requirements – Fort Martin Power Station				
Reference Code	**Emission Point ID (See Attachment D "Equipment Table" For Key)**	**Applicable Requirement Citation**	**Permit Condition Number from Permit R30-06100001-2015**	**Emission Unit-Specific Applicable Requirement Summary**
CTRR-16	Aux Boiler Stk	45 CSR 13, R13-2705	4.4.6	The permittee shall meet the requirements of 40 CFR 63.7506.
CTRR-17	Stack 1, Stack 2	40 CFR Part 75	No Explicit Condition in Permit	**Continuous Emission Monitoring (CEM)**: Pollutant emissions monitoring for pollutants listed below is through installation, calibration, certification, operation, and maintenance of continuous monitoring systems. Continuous emissions monitoring is required as the primary method for the following pollutants and parameters: • SO_2 (CEM is Primary Method) • SO_2 (Alternate Method -- ASTM compliant fuel sampling and analysis or other appropriate method in the absence of CEMS data per section II.A.3. of Revision 2 of the "45CSR10 Monitoring Plan" submitted/revised on September 25, 2002. (Monitoring Plan Approval Date – 08/06/03) • NOx • CO_2 (By CEM or by alternative calculation) • Flue gas flow
CTRR-18	EDG1, EDG2	45CSR§30-5.1.c.	5.2.1	Compliance with the sulfur dioxide concentration limit established for the emergency generator shall be demonstrated as follows: Demonstrate and certify that diesel fuel with 1% or less sulfur content was used as the only fuel combusted in the emergency generator. Demonstration of the sulfur content will be deemed to be satisfied by an initial characterization of the diesel fuel sulfur content or by a fuel supply contract specifying the maximum sulfur content of the fuel to be delivered. Such data may be obtained from the supplier(s), ASTM testing or other method approved by the Director.

C-TRR. Combustion Sources – Emissions Unit Testing, Recordkeeping and Reporting Requirements – Fort Martin Power Station				
Reference Code	**Emission Point ID (See Attachment D "Equipment Table" For Key)**	**Applicable Requirement Citation**	**Permit Condition Number from Permit R30-06100001-2015**	**Emission Unit-Specific Applicable Requirement Summary**
CTRR-19	EDG1, EDG2	40 CFR § 63 Subpart ZZZZ 40 CFR § 63.6640 and Table 2c	New	40 C.F.R. 63.6640(f) • Operate and maintain the engine in accordance with the manufacturer's emission-related O&M instructions • No time limit on emergency use • May operate for maintenance checks and readiness testing if recommended, for up to 100 hrs/year • May operate up to 50 hrs/year in non-emergency use (counts towards 100 hrs allowed for maintenance) • Table 2c requirements: change oil/filter every 500 hours of operation or annually whichever comes first; inspect air cleaner every 1,000 hours of operation or annually, whichever comes first and replace as necessary; inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; during startup minimize engines idle and minimize startup not to exceed 30 minutes, after which non-start up emission limits apply. • Report deviations of Table 2c requirements per 40CFR63.6650 and Table 7
CTRR-20	EDQP-1, EDQP-2, EDQP-3	WVDEP Class II GP G60-C § 7.3.1.a	New	For the purpose of determining compliance with the Maximum Yearly Operation Limitation, the registrant shall maintain records of hours of operation
CTRR-21	EDQP-1, EDQP-2, EDQP-3	WVDEP Class II GP G60-C § 7.3.1.b	New	For the purpose of determining compliance with the Fuel Type Limitation, a person designated by a Responsible Official or Authorized Representative shall maintain records of quantity and type of fuel burned.

C-TRR. Combustion Sources – Emissions Unit Testing, Recordkeeping and Reporting Requirements – Fort Martin Power Station				
Reference Code	**Emission Point ID (See Attachment D "Equipment Table" For Key)**	**Applicable Requirement Citation**	**Permit Condition Number from Permit R30-06100001-2015**	**Emission Unit-Specific Applicable Requirement Summary**
CTRR-22	EDQP-1, EDQP-2, EDQP-3	WVDEP Class II GP G60-C § 7.3.1.c and 7.3.1.d	New	For the purpose of determining compliance with the Regulated Pollutant Limitation for S02, 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. Records required by this section shall be retained on-site by the registrant for at least five (5) years. Certified records, signed by a Responsible Official or Authorized Representative, shall be made available to the Secretary or a duly authorized representative upon request.
CTRR-23	Aux Boiler Stk	40 CFR 63.7540 Subpart DDDDD	4.1.25	The source must keep records of fuel type and quantity, in addition to the tune up every 5 years.
CTRR-24	Stack 1, Stack 2	40 CFR 63.9980-63.10042 Including Tables and Appendices	New	Comply with 40 CFR 63 Subpart UUUUU: the emission limits in Table 2, the work practice standards in Table 3, and the performance testing requirements in Table 5.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:** R30-06100001-2015, R13-270
Monongahela Power Company - Fort Martin Power Station - Maidsville, WV	061-00001	Daniel L. Coldren

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

dcoldre@firstenergycorp.com

Manufacturer:	**Model number:**	**Serial number:**
304-598-5250	James A. Lefik	jlefik@firstenergycorp.com
Construction date: **(MM/DD/YYYY)** 724-838-6: / /	**Installation date:** **(MM/DD/YYYY)** / 01 / 1991	**Modification date(s):** **(MM/DD/YYYY)** / / ; / / / / ; / /

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
11.43 gal/hr	5,716 gal/yr	500 hours/year

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

Does this emission unit combust fuel?	**If yes, is it?**
✔ Yes ___ No	___ Indirect Fired ✔ Direct Fired

Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
208 bhp	

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

Ultra Low Sulfur Diesel Fuel; 11.43 gallons per hour; 5,716 gallons per year

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
ULSD	0.0015%	n/a	139,000 but/gal

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	1.39	0.35
Nitrogen Oxides (NO_X)	6.45	1.61
Lead (Pb)	0.00	0.00
Particulate Matter ($PM_{2.5}$)	0.46	0.11
Particulate Matter (PM_{10})	0.46	0.11
Total Particulate Matter (TSP)	0.46	0.11
Sulfur Dioxide (SO_2)	0.43	0.11
Volatile Organic Compounds (VOC)	0.52	0.13
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
CO2	239.2	59.8

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

EPA AP-42, Tables 3.3-1 (10/96) for diesel industrial engines.

Applicable Requirements

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

45CSR34: Emission Standards for Hazardous Air Pollutants: 40 CFR Part 63, Subpart ZZZZ

✔ Permit Shield

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

CTRR-18 and CTRR-19; record hours of operation, perform maintenance checks and annual inspections. Report deviations.

Are 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

Materials Handling Emissions Units

Part I: Coal Handling

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
BU-1	BU-1	Partial Enclosure

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

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
1400 tons/hour.

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
1,400 tons	3,638,320 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.19	0.46
Particulate Matter (PM_{10})	1.23	3.06
Total Particulate Matter (TSP)	2.60	6.48
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for BU-1

_X__ Permit Shield

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

There are no emissions unit-specific monitoring / testing / recordkeeping / reporting requirements for BU-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 devices associated with this emission unit:**
SB-1	SB-1	Full Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Coal Surge Bin and associated material transfers.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
900 tons	3,638,320 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.05	0.08
Particulate Matter (PM_{10})	0.50	0.73
Total Particulate Matter (TSP)	1.33	1.92
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for SB-1

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for SB-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 devices associated with this emission unit:**
BC-1	BC-1	Partial Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Coal Conveyor from Barge Unloader to Coal Surge Bin.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
1400 tons/hour.

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
1400 tons	3,638,320 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.06	0.05
Particulate Matter (PM_{10})	0.60	0.46
Total Particulate Matter (TSP)	1.65	1.26
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for BC-1

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for BC-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 devices associated with this emission unit:**
BC-2	BC-2	Partial Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Coal Conveyor from Surge Bin to Bradford Breaker.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
950 tons	3,638,320 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.06	0.05
Particulate Matter (PM_{10})	0.60	0.46
Total Particulate Matter (TSP)	1.64	1.26
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for BC-2.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for BC-2.

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 associated with this emission unit:**
BB-1	BB-1	Underground

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Bradford Breaker and associated transfers.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
950 tons	3,638,320 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.01	0.02
Particulate Matter (PM_{10})	0.06	0.18
Total Particulate Matter (TSP)	0.13	0.38
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation) and
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for BB-1

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for BB-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 devices associated with this emission unit:**
RC-1, RC-2	RC-1, RC-2	Partial Enclosure

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

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
475 tons/hour (each).

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
475 tons/hour (each)	3,638,320 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.04	0.15
Particulate Matter (PM_{10})	0.30	1.02
Total Particulate Matter (TSP)	0.62	2.16
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for RC-1 or RC-2.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for RC-1 or RC-2.

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 associated with this emission unit:**
BC-3	BC-3	Partial Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Coal conveyor #3, from Reclaim Hopper to Bradford Breaker.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
950 tons	3,638,320 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.06	0.15
Particulate Matter (PM_{10})	0.48	1.21
Total Particulate Matter (TSP)	1.21	2.93
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation) and
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for BC-3.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for BC-3.

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 associated with this emission unit:**
BC-4	BC-4	Partial Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Coal conveyor #4, from Bradford Breaker to BC-5.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
950 tons	3,638,320 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.06	0.08
Particulate Matter (PM_{10})	0.51	0.76
Total Particulate Matter (TSP)	1.35	1.98
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation) and
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for BC-4.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for BC-4.

Are you in compliance with all applicable requirements for this emission unit? _X__Yes ___No

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
BC-5, BC-5A	BC-5, BC-5A	Partial Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Coal conveyor #5/5A, from Bradford Breaker to Coal Storage Pile.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
950 Tons/hour (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
950 tons (each)	3,638,320 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.12	0.26
Particulate Matter (PM_{10})	1.09	2.31
Total Particulate Matter (TSP)	2.88	6.00
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation) and
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for BC-5 or BC-5A.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for BC-5 or BC-5A.

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 associated with this emission unit:**
BC-7A, BC-7B	BC-7A, BC-7B	Partial Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Coal conveyor #7A/7B, from Coal Storage Pile to Transfer House.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
500 Tons/hour (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
500 tons (each)	3,638,320 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.03	0.07
Particulate Matter (PM_{10})	0.33	0.64
Total Particulate Matter (TSP)	0.88	1.72
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation) and
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for BC-7A or BC-7B.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for BC-7A or BC-7B.

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 associated with this emission unit:**
BC-8A, BC-8B	BC-8A, BC8-8B	Partial Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Coal conveyor #8A/8B, from Transfer House to Boiler House Conveyors.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
500 Tons/hour (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
500 tons (each)	3,638,320 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.06	0.12
Particulate Matter (PM_{10})	0.63	1.20
Total Particulate Matter (TSP)	1.71	3.28
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation) and
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for BC-8A or BC-8B.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for BC-8A or BC-8B.

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 associated with this emission unit:**
BC-9A1, BC-9A2, BC-10A, BC-10B	BC-9A1, BC-9A2, BC-10A, BC-10B	Partial Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Coal Boiler House Conveyors (4) to Unit #1 Coal Storage Silos.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
500 Tons/hour (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
500 tons (each)	1,819,160 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.05	0.01
Particulate Matter (PM_{10})	0.42	0.10
Total Particulate Matter (TSP)	1.07	0.26
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation) and
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for BC-9A1, BC-9A2, BC-10A or BC-10B.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for BC-9A1, BC-9A2, BC-10A or BC-10B.

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 associated with this emission unit:**
BC-9B1, BC-9B2, BC-11A, BC-11B	BC-9B1, BC-9B2, BC-11A, BC-11B	Partial Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Coal Boiler House Conveyors (4) to Unit #2 Coal Storage Silos.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
500 Tons/hour (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
500 tons (each)	1,819,160 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.05	0.01
Particulate Matter (PM_{10})	0.40	0.10
Total Particulate Matter (TSP)	1.03	0.25
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation) and
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for BC-9B1, BC-9B2, BC-11A or BC-11B.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for BC-9B1, BC-9B2, BC-11A or BC-11B.

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 associated with this emission unit:**
CS-1	CS-1	DC-1, DC-2

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Coal Silos (6) feeding combustion units #1 (1A-1F). These Unit 1 silos have 2 10,000 CFM rotoclones for dust suppression.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
500 tons (each)	1,819,160 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	1.71	7.51
Particulate Matter (PM_{10})	1.71	7.51
Total Particulate Matter (TSP)	1.71	7.51
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions from these silos are based upon the existence of two 10,000 CFM rotoclones each with 0.01 gr/dscf outlet grain loading.

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for CS-1.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for CS-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 devices associated with this emission unit:**
CS-2	CS-2	DC-3, DC-4

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Coal Silos (5) feeding combustion units #2 (2A-2E). These Unit 2 silos have 2 10,000 CFM rotoclones for dust suppression.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
550 tons (each)	1,819,160 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	1.71	7.51
Particulate Matter (PM_{10})	1.71	7.51
Total Particulate Matter (TSP)	1.71	7.51
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions from these silos are based upon the existence of two 10,000 CFM rotoclones each with 0.01 gr/dscf outlet grain loading.

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for CS-2.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for CS-2.

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 associated with this emission unit:**
FAS-1, FAS-2	FAS-1, FAS-2	Full Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Fly Ash Silos (2) each of 1650-ton capacity, with the enclosure venting back into the ESP system.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
1650 Tons (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
	469,707 tons (total)	8760 hours

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

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

Emissions for these units contained within the Combustion Emissions calculations.

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for FAS-1 or FAS-2.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for FAS-1 or FAS-2.

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 associated with this emission unit:**
BAS-1A, BAS-1B, BAS-2A, BAS-2B	BAS-1A, BAS-1B, BAS-2A, BAS-2B	Full Enclosure / Water Spray

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Bottom Ash Silos (4) each of 12,000 cubic feet of capacity.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
12,000 cubic feet (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
20 tons (each)	109,172 tons (total)	8760 hours

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

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

Emissions negligible due to high moisture content of stored material in bottom ash silos.

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for BAS-1A, BAS-1B, BAS-2A or BAS-2B.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for BAS-1A, BAS-1B, BAS-2A or BAS-2B.

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 associated with this emission unit:**
ES-1	ES-1	Full Enclosure / Water Spray

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Economizer Ash Silo of 2,093 cubic feet of capacity.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
2,093 cubic feet

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	N/A	8760 hours

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

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

Emissions negligible due to high moisture content of stored material in ash silo.

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for ES-1.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for ES-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 devices associated with this emission unit:**
CST-1	Coal Stockpile	Minimize Drop Height

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Coal stockpile of up to 1,000,000 tons of coal.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
1,000,000 tons

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	N/A	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	2.45	10.71
Particulate Matter (PM_{10})	19.7	86.11
Total Particulate Matter (TSP)	100.02	438.09
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

Bulldozing operations: AP-42 11.9 Western Surface Coal Mining

Erosion calculations: Wind Data from LCD 2-Minute Windspeed Year 2012 from Morgantown WV airport.

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for the Coal Stockpile.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for the Coal Stockpile.

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

Materials Handling Emissions Units

Part II - Limestone Handling

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
LUC-1	LUC-1	Partial Enclosure

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

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
500 tons/hour, 543,120 tons/year Limestone.

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
500 tons	543,120 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.001	0.001
Particulate Matter (PM_{10})	0.01	0.005
Total Particulate Matter (TSP)	0.02	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-6 Barge Unloading Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-7 Limestone Unloading Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
LSH-1	LSH-1	Water Spray

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Limestone Surge Hopper and associated material transfers.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
500 tons/hour, 543,120 tons/year Limestone.

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
500 tons	543,120 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.001	0.001
Particulate Matter (PM_{10})	0.01	0.005
Total Particulate Matter (TSP)	0.02	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-6 Barge Unloading Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-7 Limestone Unloading Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
LBF-1	LBF-1	Water Spray

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Limestone Weigh Belt Feeder and transfers.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
500 tons/hour, 543,120 tons/year Limestone.

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
500 tons	543,120 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.003	0.001
Particulate Matter (PM_{10})	0.02	0.01
Total Particulate Matter (TSP)	0.04	0.02
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-6 Barge Unloading Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-7 Limestone Unloading Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
LBF-2	LBF-2	Water Spray

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Limestone Weigh Belt Feeder and transfers.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
500 tons/hour, 543,120 tons/year Limestone.

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
500 tons	543,120 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.003	0.001
Particulate Matter (PM_{10})	0.02	0.01
Total Particulate Matter (TSP)	0.04	0.02
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-6 Barge Unloading Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-7 Limestone Unloading Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
LBF-3	LBF-3	Underground

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Underground Limestone Weigh Belt Feeder and transfers.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
500 tons/hour, 543,120 tons/year Limestone.

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
500 tons	543,120 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.08	0.02
Particulate Matter (PM_{10})	0.08	0.02
Total Particulate Matter (TSP)	0.23	0.06
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation) and
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-6 Barge Unloading Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-7 Limestone Unloading Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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: LBF-4	**Emission unit name:** LBF-4	**List any control devices associated with this emission unit:** Underground
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Underground Limestone Weigh Belt Feeder and transfers.		
Manufacturer:	**Model number:**	**Serial number:**
Construction date: 2007	**Installation date:** 2007	**Modification date(s):** n/a
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 500 tons/hour, 543,120 tons/year Limestone.		
Maximum Hourly Throughput: 500 tons	**Maximum Annual Throughput:** 543,120 tons	**Maximum Operating Schedule:** 8760 hours
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 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	Potential Emissions

	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.08	0.02
Particulate Matter (PM_{10})	0.08	0.02
Total Particulate Matter (TSP)	0.23	0.06
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation) and
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-6 Barge Unloading Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-7 Limestone Unloading Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
LBF-5	LBF-5	Underground

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Underground Limestone Weigh Belt Feeder and transfers.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
500 tons/hour, 543,120 tons/year Limestone.

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
500 tons	543,120 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.08	0.02
Particulate Matter (PM_{10})	0.08	0.02
Total Particulate Matter (TSP)	0.23	0.06
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation) and
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-6 Barge Unloading Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-7 Limestone Unloading Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
L-1	L-1	Full Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Limestone Receiving and Stackout Conveyor.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
500 tons/hour, 543,120 tons/year Limestone.

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
500 tons	543,120 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.08	0.04
Particulate Matter (PM_{10})	0.08	0.04
Total Particulate Matter (TSP)	0.23	0.12
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation) and
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-6 Barge Unloading Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-7 Limestone Unloading Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
TC-1	TC-1	Water Spray

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

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
500 tons/hour, 543,120 tons/year Limestone.

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
500 tons	543,120 tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.003	0.001
Particulate Matter (PM_{10})	0.02	0.01
Total Particulate Matter (TSP)	0.04	0.02
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation) and

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-6 Barge Unloading Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-7 Limestone Unloading Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
LSP	LSP	N/A

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Limestone Storage Pile transfers, wind erosion, and bulldozing.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
26,000 tons Limestone.

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	N/A	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.04	8.51
Particulate Matter (PM_{10})	0.24	56.74
Total Particulate Matter (TSP)	0.48	113.58
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation),
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing, and
AP-42 Section 13.2.5, Industrial Wind Erosion

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for LSP.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for LSP.

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 associated with this emission unit:**
LRH-1, LRH-2, LRH-3	LRH-1, LRH-2, LRH-3	Underground

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Limestone Reclaim Hoppers #1, #2, and #3.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
200 tons/hour limestone (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
200 tons/hour (each)	543,120 tons/year (each)	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.002	0.003
Particulate Matter (PM_{10})	0.02	0.02
Total Particulate Matter (TSP)	0.03	0.05
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation),

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
L-2	L-2	Water Spray / Full Enclosure

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

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
400 tons/hour	543,120 tons/year	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.07	0.05
Particulate Matter (PM_{10})	0.08	0.05
Total Particulate Matter (TSP)	0.20	0.14
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation),
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
L-3A	L-3A	Water Spray / Full Enclosure

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

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
400 tons/hour	543,120 tons/year	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.07	0.04
Particulate Matter (PM_{10})	0.07	0.05
Total Particulate Matter (TSP)	0.18	0.12
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation),
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
L-3B	L-3B	Water Spray / Full Enclosure

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

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
400 tons/hour	543,120 tons/year	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.07	0.04
Particulate Matter (PM_{10})	0.07	0.04
Total Particulate Matter (TSP)	0.18	0.12
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation),
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
LTT-1	LTT-1	Water Spray / Full Enclosure

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

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
400 tons/hour	543,120 tons/year	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.0002	0.001
Particulate Matter (PM_{10})	0.001	0.004
Total Particulate Matter (TSP)	0.002	0.01
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
L-4	L-4	Water Spray / Full Enclosure

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

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
400 tons/hour	543,120 tons/year	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.07	0.05
Particulate Matter (PM_{10})	0.09	0.05
Total Particulate Matter (TSP)	0.23	0.14
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation),
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
L-5	L-5	Water Spray / Full Enclosure

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

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
400 tons/hour	543,120 tons/year	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.07	0.05
Particulate Matter (PM_{10})	0.07	0.06
Total Particulate Matter (TSP)	0.19	0.16
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation),
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
DC-1, DC-2, DC-3	DC-1, DC-2, DC-3	Full Enclosure, BV-1, BV-2, BV-3

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Limestone Diverter Gate (for Limestone Silos), and Limestone Day Silos #1, #2, and #3, each equipped with a bin-vent filter (BV-1, BV-2, BV-3).

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
400 tons/hour limestone (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
400 tons/hour (each)	543,120 tons/year (each)	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.51	0.12
Particulate Matter (PM_{10})	0.51	0.12
Total Particulate Matter (TSP)	0.51	0.12
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions for this source are from three bin vent filters, each with 2000 ACFM flow and 0.01 gr/scf particulate emissions. All emitted particulate is assumed to be <2.5 microns in size.

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-5 Particulate Control Equipment Capacity Limits and Outlet Grain Loading Limits
MH-8 Visible Emissions Limit – Storage Structures
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-4 Record of Maintenance of Air Pollution Control Equipment
MHTRR-5 Record of Malfunctions of Air Pollution Control Equipment
MHTRR-6 Test Methods for PM Emissions
MHTRR-9 Visible Emission Inspection
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
BM-1, BM-2	BM-1, BM-2	Water Spray

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Ball Mills #1 and #2 for Limestone Handling.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
50 tons/hour limestone (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
50 tons/hour (each)	438,000 tons/year (each)	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.0002	0.0004
Particulate Matter (PM_{10})	0.001	0.002
Total Particulate Matter (TSP)	0.003	0.005
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
GTT-2	GTT-2	Water Spray / Full Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Gypsum/Limestone Shared Transfer Tower (conveyors G-2A, G-2B and L-3A)

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
600 Tons/hour	1,524,240 Tons	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.001	0.001
Particulate Matter (PM_{10})	0.002	0.002
Total Particulate Matter (TSP)	0.003	0.004
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-10 Emission Inspection

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

Materials Handling Emissions Units

Part III - Gypsum Handling

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
VBF-1, VBF-2, VBF-3	VBF-1, VBF-2, VBF-3	Partial Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Gypsum Vacuum Belt Filters 1, 2 and 3 with partial enclosures and handling of wetted material.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
75 Tons/hour (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
75 Tons (each)	981,120 Tons (combined)	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	.0001	.0002
Particulate Matter (PM_{10})	.0006	.001
Total Particulate Matter (TSP)	.001	.003
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-7 Gypsum Production Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-8 Gypsum Production Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
G-1A, G-1B	G-1A, G-1B	Full Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Gypsum Conveyors from the Process Building to Gypsum Transfer Tower #1, and associated transfers.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
200 Tons/hour (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
200 Tons (each)	981,120 Tons (combined)	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.03	0.08
Particulate Matter (PM_{10})	0.03	0.08
Total Particulate Matter (TSP)	0.09	0.22
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-7 Gypsum Production Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-8 Gypsum Production Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
G-2A, G-2B	G-2A, G-2B	Full Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Gypsum Conveyors from Gypsum Transfer Tower #1 to Gypsum Transfer Tower #2, and associated transfers.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
200 Tons/hour (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
200 Tons (each)	981,120 Tons (combined)	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.03	0.08
Particulate Matter (PM_{10})	0.03	0.08
Total Particulate Matter (TSP)	0.09	0.22
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-7 Gypsum Production Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-8 Gypsum Production Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
G-3A, G-3B	G-3A, G-3B	Full Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Gypsum Conveyors from Gypsum Transfer Tower #2 to Emergency Stackout, and associated transfers.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
200 Tons/hour (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
200 Tons (each)	981,120 Tons (combined)	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.03	0.08
Particulate Matter (PM_{10})	0.03	0.08
Total Particulate Matter (TSP)	0.09	0.22
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-7 Gypsum Production Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-8 Gypsum Production Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
G-4A, G-4B	G-4A, G-4B	Full Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Gypsum Conveyors from Gypsum Transfer Tower #3 to Gypsum Disposal Stockpile, and associated transfers.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
200 Tons/hour (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
200 Tons (each)	981,120 Tons (combined)	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.03	0.08
Particulate Matter (PM_{10})	0.03	0.08
Total Particulate Matter (TSP)	0.09	0.22
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		

Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY

Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-7 Gypsum Production Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-8 Gypsum Production Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
GPC-1	GPC-1	Full Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Gypsum Conveyors from Gypsum Transfer Tower #2 to Gypsum Transfer Tower #3, and associated transfers.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
200 Tons/hour (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
200 Tons (each)	981,120 Tons (combined)	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.0001	0.0001
Particulate Matter (PM_{10})	0.001	0.0004
Total Particulate Matter (TSP)	0.002	0.001
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		

Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY

Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-7 Gypsum Production Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-8 Gypsum Production Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
GTT-1	GTT-1	Full Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Gypsum Transfer Tower #1, and associated transfers.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
200 Tons/hour (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
200 Tons (each)	981,120 Tons (combined)	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	.0002	.0001
Particulate Matter (PM_{10})	.001	.001
Total Particulate Matter (TSP)	.001	.001
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		

Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY

Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-7 Gypsum Production Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-8 Gypsum Production Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
GTT-3	GTT-3	Full Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Gypsum Transfer Tower #3, and associated transfers.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
200 Tons/hour (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
200 Tons (each)	981,120 Tons (combined)	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	.0002	.0001
Particulate Matter (PM_{10})	.001	.001
Total Particulate Matter (TSP)	.001	.001
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		

Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY

Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-7 Gypsum Production Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-8 Gypsum Production Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
G-5	G-5	Full Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Gypsum Conveyor, and associated transfers.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
200 Tons/hour (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
200 Tons (each)	981,120 Tons (combined)	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.10	0.08
Particulate Matter (PM_{10})	0.10	0.08
Total Particulate Matter (TSP)	0.27	0.22
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		

Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY

Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-7 Gypsum Production Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-8 Gypsum Production Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
G-6	G-6	Full Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Gypsum Reversing Conveyor, and associated transfers.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
200 Tons/hour (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
200 Tons (each)	981,120 Tons (combined)	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.03	0.08
Particulate Matter (PM_{10})	0.04	0.10
Total Particulate Matter (TSP)	0.10	0.25
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-7 Gypsum Production Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-8 Gypsum Production Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
GB-1, GB-2	GB-1, GB-2	Partial Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Gypsum Storage Bins #1, and #2 with partial enclosures.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
500 Tons/hour (each)

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
500 Tons (each)	981,120Tons (total)	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	0.004	0.004
Particulate Matter (PM_{10})	0.03	0.03
Total Particulate Matter (TSP)	0.07	0.06
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)

Applicable Requirements

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

Materials Handling ("MH") emissions unit-specific applicable requirements are listed below as references to an Appendix containing the actual requirements text. Each applicable requirement below is linked by a reference number (e.g. "MH-1") to detailed information for that requirement contained in Table MH-AR. Each requirement in Table MH-AR then references appropriate **M**aterials **H**andling **T**esting/**R**ecordkeeping/**R**eporting ("**MHTRR**") requirements in Table MH-TRR.

Applicable requirement codes below are actively hyperlinked to Table MH-AR. The actual requirement text may be seen by ctrl-clicking on the links below. Links are numbered sequentially per the following conventions: C=combustion emissions units, MH = materials handling emissions units, MI = miscellaneous emissions units.

MH-7 Gypsum Production Limit
MH-9 Particle Weight Emission Limits – Process Sources
MH-10 Process Fugitive Particulate Control Requirement

_X__ Permit Shield

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

MHTRR-6 Test Methods for PM Emissions
MHTRR-8 Gypsum Production Monitoring and Recordkeeping
MHTRR-10 Emission Inspection

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 associated with this emission unit:**
GSP	GSP	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
19,200 Ton Gypsum Storage Pile.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
2007	2007	n/a

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
19,200 Tons

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	N/A	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	5.02	0.08
Particulate Matter (PM_{10})	33.25	0.20
Total Particulate Matter (TSP)	66.85	0.82
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:
AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation)
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for GSP.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for GSP.

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

Materials Handling Emissions Units

REFERENCED TABLES

Table MH-8A:

Maximum Capacities and Required Control Devices for Materials Handling Equipment

Table MH-9A:

Outlet Grain Loading and Maximum Air Flow Requirements for Control Devices

Table MH-8A
Maximum Capacities and Required Control Devices for Materials Handling Equipment

Equipment ID	Description	Maximum Capacity (tons/hour)	Maximum Capacity (tons/year)	Control Device[1]
Coal Handling Circuit				
BU-1	Barge Unloader	1400	3,638,320	PE
SB-1	Surge Bin	900	3,638,320	FE
BC-1	Conveyor #1 - Barge Unloader to Surge Bin	1400	3,638,320	PE
BC-2	Conveyor #2 - Surge Bin to Bradford Breaker	950	3,638,320	PE
BB-1	Bradford Breaker	950	3,638,320	FE
RC-1, RC-2	Reclaim Hoppers	475 (each)	3,638,320 (total)	PE
BC-3	Conveyor #3 - Reclaim Hopper to Bradford Breaker	950	3,638,320	PE
BC-4	Conveyor #4 - Bradford Breaker to BC-5	950	3,638,320	PE
BC-5, BC-5A	Conveyors #5/5A - Bradford Breaker to Coal Storage Pile	950 (each)	3,638,320	PE
BC-7A, BC-7B	Conveyors #7A/7B - Coal Storage Pile to Transfer House	500 (each)	3,638,320	PE
BC-8A, BC-8B	Conveyors #8A/8B - Transfer House to Boiler House Conveyors	500 (each)	3,638,320	PE
BC-9A1, BC-9A2, BC-10A, BC-10B	Conveyors (4) - Boiler House Conveyors to Unit #1 Coal Storage Silos	500 (each)	3,638,320	PE
BC-9B1, BC-9B2, BC-11A, BC-11B	Conveyors (4) - Boiler House Conveyors to Unit #2 Coal Storage Silos	500 (each)	3,638,320	PE
CS-1, CS-2	Coal Silos For Unit #1 (6 silos) and #2 (5 silos)	500 (ea. #1) 550 (ea. #2)	3,638,320	FE/Rotoclones
FAS-1, FAS-2	Fly Ash Silos for Unit #1 and #2	N/A	469,707 (total)	FE
BAS-1A, BAS-1B	Unit #1 Bottom Ash Silos	n/a	n/a	FE/WS
BAS-2A, BAS-2B	Unit #2 Bottom Ash Silos	n/a	n/a	FE/WS
ES-1	Economizer Ash Silo	n/a	n/a	FE/WS
CST-1	Coal Stockpile	n/a	n/a	Minimize Drop Height
Limestone Handling Circuit				
LUC-1	Limestone Unloading Crane	500	543,120	PE
LSH-1	Limestone Surge Hopper	500	543,120	WS
LBF-1	Weigh Belt Feeder	500	543,120	WS
LBF-2	Weigh Belt Feeder	500	543,120	WS
LBF-3	Limestone Weigh Belt Feeder	500	543,120	UG
LBF-4	Limestone Weigh Belt Feeder	500	543,120	UG

[1] Codes: BH=Baghouse; FE=Full Enclosure; SCR=Wet Scrubber, UG=Underground; N/R=None Required

Equipment ID	Description	Maximum Capacity (tons/hour)	Maximum Capacity (tons/year)	Control Device[1]
LBF-5	Limestone Weigh Belt Feeder	500	543,120	UG
L-1	Limestone Receiving and Stackout Conveyor	500	543,120	FE
TC-1	Limestone Telescopic Chute	500	543,120	WS
LSP	Limestone Storage Pile	n/a	n/a	n/a
LRH-1, LRH-2, LRH-3	Limestone Reclaim Hoppers #1, #2, and #3	200 each	543,120	UG
L-2	Limestone Reclaim Conveyor	400	543,120	WS/FE
L-3A	Limestone Transfer Conveyor	200	543,120	WS/FE
GTT-2	Gypsum/Limestone Transfer Tower (shared with conveyors G2-A/B, and L-3A)	600	543,120	WS/FE
L-3B	Limestone Transfer Conveyor	400	543,120	WS/FE
LTT-1	Limestone Transfer Tower	400	543,120	WS/FE
L-4	Limestone Transfer Conveyor	400	543,120	WS/FE
L-5	Limestone Reversing Fill Conveyor	400	543,120	WS/FE
DC-1, DC-2, DC-3	Limestone Diverter Gate and Limestone Day Silos #1, #2, and #3	400 each	543,120 total	Bin Vent Filter
BM-1, BM-2	Ball Mill 1, and Ball Mill 2	50 each	438,000 each	WS
Gypsum Handling Circuit				
VBF-1, VBF-2, VBF-3	Gypsum Vacuum Belt Filters #1, #2, and #3	75 each	981,120 total	PE
G-1A,B	Gypsum Conveyors 1A, 1B	200 each	981,120 each	FE
G-2A,B	Gypsum Conveyors 2A, 2B	200 each	981,120 each	FE
G-3A,B	Gypsum Stackout Conveyors 3A, 3B	200 each	981,120 each	FE
G-4A,B	Gypsum Stackout Conveyors 4A, 4B	200 each	981,120 each	FE
GPC-1	Gypsum Pipe Conveyor	200	981,120	FE
GTT-1	Gypsum Transfer Tower #1	200	981,120	FE
GTT-3	Gypsum Transfer Tower #3	200	981,120	FE
G-5	Gypsum Conveyor #5	200	981,120	FE
G-6	Reversing Gypsum Conveyor	200	981,120	FE
GB-1, GB-2	Gypsum Bins #1, and #2	500 each	981,120 total	PE
GSP	Gypsum Storage Pile	n/a	n/a	n/a

Table MH-9A
Outlet Grain Loading and Maximum Air Flow Requirements for Control Devices

Control Device Identification Number	Control Device Type	Emission Point Identification Number	gr/acf[(1)]	Maximum Air Flow (acfm)[(2)]
BV-1	Baghouse	DC-1	0.01	2,000
BV-2	Baghouse	DC-2	0.01	2,000
BV-3	Baghouse	DC-3	0.01	2,000
DC-1	Rotoclone	CS-1	0.01	10,000
DC-2	Rotoclone	CS-1	0.01	10,000
DC-3	Rotoclone	CS-2	0.01	10,000
DC-4	Rotoclone	CS-2	0.01	10,000

(1) gr/acf = grains per actual cubic foot of exit gas. These limits are considered instantaneous limits.
(2) Compliance with the maximum air flow will based on the maximum rated capacity of all blowers feeding the emission point.

Table MH-AR

Source-Specific Applicable Requirements for Material Handling Sources – Fort Martin Power Station

(Compilation of Applicable Requirements)

Source-Specific Applicable Requirements for Material Handling Sources – Fort Martin Power Station

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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 Unit ID (Reference Attachment D "Emissions Units Table" For Key)	Link From Form E	Applicable Requirement Citation	Permit Condition Number from Permit R30-06100001-2015	Requirement Summary	Monitoring / Testing / Recordkeeping / Reporting Requirement Links
All Control Devices Listed in Table MH-9A	MH-5	45CSR13 R13-2711A	6.1.1	**Particulate Control Equipment Capacity Limits and Outlet Grain Loading Limits:** In accordance with the information filed in Permit Application R13-2711A, and any amendments thereto, particulate matter (PM) emissions from the emission points listed in Table MH-9A shall not exceed the limitations given in Table MH-9A and the maximum exit gas flows from the control devices as listed in Table MH-9A shall not be exceeded.	MHTRR-6
LUC-1, LSH-1, LBF-1, LBF-2, LBF-3, LBF-4, LBF-5, L-1, TC-1	MH-6	45CSR13 R13-1477A, 4.1.2	6.1.2	**Limit on Limestone Barge Unloading**: The amount of limestone unloaded from barges shall not exceed 500 tons per hour, nor 543,120 tons per year based on a 12-month rolling total	MHTRR-7
VBF-1, VBF-2, VBF-3, G-1A,B, G-2A,B, G-3A,B, G-4A,B GPC-1, GTT-1, GTT-3, G-5, G-6, GB-1, GB-2	MH-7	45CSR13 R13-1477B, 4.1.3	6.1.3	**Limit on Gypsum Production**: The amount of gypsum produced shall not exceed 981,120 tons per year based on a 12-month rolling total	MHTRR-8
DC-1, DC-2, DC-3	MH-8	45CSR13 45CSR§7-3.7	6.1.4	**Visible Emissions Limit – Storage Structures:** No visible emissions are permitted from any storage structures associated with any manufacturing process(es) that are required to have a full enclosure and be equipped with a particulate matter control device.	MHTRR-4 MHTRR-5 MHTRR-9

Source-Specific Applicable Requirements for Material Handling Sources – Fort Martin Power Station

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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 Unit ID (Reference Attachment D "Emissions Units Table" For Key)	Link From Form E	Applicable Requirement Citation	Permit Condition Number from Permit R30-06100001-2015	Requirement Summary	Monitoring / Testing / Recordkeeping / Reporting Requirement Links
LUC-1, LSH-1, LBF 1, LBF-2, LBF-3, LBF-4, LBF-5, LRH-1, LRH-2, LRH-3, L-2, L-3A TC-1, LSP, GTT-2, L-3B, LTT-1, L-4, L-5, BM-1, BM-2, VBF-1, VBF-2, VBF-3, G-1A,B, G-2A,B, G-3A,B, G-4A,B GPC-1, GTT-1, GTT-3, G-5, G-6, GB-1, GB-2, GSP, DC-1, DC-2, DC-3	MH-9	45CSR13 45CSR§7-4.1	6.1.4	**Particulate Weight Emission Limits – Process Sources**: Particulate matter may not 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 45CSR§7.	MHTRR-6
DC-1, DC-2, DC-3	MH-10	45CSR13 45CSR§7-5.1	6.1.4	**Process Fugitive Particulate Control Requirement**: - Process or storage structures generating fugitive particulate matter may not operate unless equipped with a system, which may include, but not be limited to, process equipment design, control equipment design or operation and maintenance procedures, to minimize the emissions of fugitive particulate matter. To minimize means such system shall be installed, maintained and operated to ensure the lowest fugitive particulate matter emissions reasonably achievable.	MHTRR-10

Table MH-TRR

MHTRR. Materials Handling Sources – Fort Martin Power Station – Emissions Unit Testing, Recordkeeping and Reporting Requirements

Compilation of Monitoring, Testing, Reporting & Recordkeeping Requirements

MHTRR. Materials Handling Sources – Fort Martin Power Station - Emissions Unit Testing, Recordkeeping and Reporting Requirements				
Link from Applicable Requirement	**Emission Unit ID (See Attachment D "Equipment Table" For Key)**	**Applicable Requirement Citation**	**Permit Condition Number from Permit R30-06100001-2015**	**Requirement Summary**
MHTRR-4	DC-1, DC-2, DC-3	45CSR§13 R13-2729, 4.2.4 R13-2711, 4.4.2	6.4.1	**Record of Maintenance of Air Pollution Control Equipment:** the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

MHTRR. Materials Handling Sources – Fort Martin Power Station - Emissions Unit Testing, Recordkeeping and Reporting Requirements				
Link from Applicable Requirement	**Emission Unit ID (See Attachment D "Equipment Table" For Key)**	**Applicable Requirement Citation**	**Permit Condition Number from Permit R30-06100001-2015**	**Requirement Summary**
MHTRR-5	DC-1, DC-2, DC-3	45CSR§13 R13-2729, 4.2.5 R13-2711, 4.4.3	6.4.2	**Record of Malfunction of Air Pollution Control Equipment: the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:** **a. The equipment involved.** **b. Steps taken to minimize emissions during the event.** **c. The duration of the event.** **d. The estimated increase in emissions during the event.** **For each such case associated with an equipment malfunction, the additional information shall also be recorded:** **e. The cause of the malfunction.** **f. Steps taken to correct the malfunction.** **g. Any changes or modifications to equipment or procedures that would help prevent recurrences of the malfunction.**

MHTRR. Materials Handling Sources – Fort Martin Power Station - Emissions Unit Testing, Recordkeeping and Reporting Requirements				
Link from Applicable Requirement	**Emission Unit ID (See Attachment D "Equipment Table" For Key)**	**Applicable Requirement Citation**	**Permit Condition Number from Permit R30-06100001-2015**	**Requirement Summary**
MHTRR-6	All Control Devices Listed in Table MH-9A servicing the following Emissions Units: DC-1, DC-2, DC-3	45CSR13 R13-2711A		**Test Methods for PM Emissions:** Tests that are required by the Director to determine compliance with the emission limitations for this emissions unit shall be conducted in accordance with the methods as set forth in a.) and b.) below. The Director may require a different test method or approve an alternative method in light of any new technology advancements that may occur. Compliance testing shall be conducted at the maximum permitted operating conditions unless otherwise specified by the Director. a.) Tests to determine compliance with PM emission limits shall be conducted in accordance with 45CSR7A. b.) Submit to the Director of Air Quality a test protocol detailing the proposed test methods, the date, and the time the proposed testing is to take place, as well as identifying the sampling locations and other relevant information. The test protocol must be received by the Director no less than thirty (30) days prior to the date the testing is to take place. Test results shall be submitted to the Director no more than sixty (60) days after the date the testing takes place.
MHTRR-7	LUC-1, LSH-1, LBF-1, LBF-2, LBF-3, LBF-4, LBF-5, L-1	45CSR§13 R13-2711A 4.2.1	6.2.1	**Limestone Unloading Monitoring and Recordkeeping:** For the purposes of determining compliance with the maximum throughput limits for Limestone Unloading, the permittee shall maintain a certifiable record of the total amount of barge-unloaded limestone on a monthly basis. These records are to be maintained onsite for a period not less than five (5) years. The records shall be certified by a responsible official and made available, upon request, to the Director or his/her authorized representative.
MHTRR-8	VBF-1, VBF-2, VBF-3, G-1A,B, G-2A,B, G-3A,B, G-4A,B GPC-1, GTT-1, GTT-3, G-5, G-6, GB-1, GB-2	45CSR§13 R13-2711A 4.2.2	6.2.2	**Gypsum Production Monitoring and Recordkeeping:** For the purposes of determining compliance with the maximum throughput limits for gypsum handling, the permittee shall maintain a certifiable record of the total amount of gypsum produced on a monthly basis. These records are to be maintained onsite for a period not less than five (5) years. The records shall be certified by a responsible official and made available, upon request, to the Director or his/her authorized representative.

MHTRR. Materials Handling Sources – Fort Martin Power Station - Emissions Unit Testing, Recordkeeping and Reporting Requirements				
Link from Applicable Requirement	**Emission Unit ID (See Attachment D "Equipment Table" For Key)**	**Applicable Requirement Citation**	**Permit Condition Number from Permit R30-06100001-2015**	**Requirement Summary**
MHTRR-9	DC-1, DC-2, DC-3, plus outlets of all control devices servicing the above emissions units.	45CSR13 R13-2711A.	6.3.1; 6.3.2	**Visible Emission Inspection:** Perform a Visible Emissions observations using EPA Method 9 for all fugitive dust control systems weekly from May 1 through September 30 and monthly from October 1 through April. These records shall be Certified and made available to the Director, or a duly authorized representative, upon request.
MHTRR-10	DC-1, DC-2, DC-3 plus outlets of all control devices servicing the above emissions units.	45CSR§30-5.1.c.	6.3.1	**Emission Inspection:** Inspect all fugitive dust control systems weekly from May 1 through September 30 and monthly from October 1 through April 30 to ensure that they are operated and maintained in conformance with their designs.

Attachment E
Miscellaneous Emissions Units

Wastewater Treatment
Insignificant Tanks
Cooling Towers
Ash/CCB Disposal Area
Paved Roads
Unpaved Roads

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
WASTEWATER	Fort Martin Wastewater Operations	None

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Wastewater operations for Fort Martin station include (a) one ≈ 91,000-gallon grit settling basin, (b) one ≈280,000-gallon fines settling basin, (c) one ≈80,000-gallon neutralization sump and (d) one ≈1,800,000-gallon capacity lagoon.

Manufacturer:	**Model number:**	**Serial number:**
Construction date:	**Installation date:**	**Modification date(s):**

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
Grit Settling Basin - 91,000 gallons; Fines Settling Basin – 281,000 gallons
Neutralization Sump – 80,000 gallons; Lagoon – 1.8 MM gallons

Maximum Hourly Throughput:	**Maximum Annual Throughput:** 2,812 MMgal/yr	**Maximum Operating Schedule:** 8760 hours per year

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 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	**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)	3.86	16.89

Hazardous Air Pollutants	**Potential Emissions**	
	PPH	**TPY**

Regulated Pollutants other than Criteria and HAP	**Potential Emissions**	
	PPH	**TPY**

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

EPA WATER9 software.

Supporting emission calculation information is provided in Appendix A.

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for WASTEWATER

__X__ Permit Shield

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

There are no emissions unit-specific applicable requirements for WASTEWATER

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 associated with this emission unit.**
Insig Tanks	Insignificant Storage Tanks	

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Storage tanks that store volatile organic (or non-volatile/ non-organic) liquids that are not subject to any applicable state or federal requirements. Emissions from these tanks are negligible based on the products stored, tank capacity and annual throughputs.

Manufacturer:	**Model number:**	**Serial number:**
Construction date:	**Installation date:**	**Modification date(s):**

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): See attached table for list of tank capacities and product stored.

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:** 8760 hours per year

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 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	**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)	Negligible	

Hazardous Air Pollutants	**Potential Emissions**	
	PPH	**TPY**
	Negligible	

Regulated Pollutants other than Criteria and HAP	**Potential Emissions**	
	PPH	**TPY**

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

Applicable Requirements

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

There are no applicable requirements for the tanks grouped in this emissions unit

__X__ Permit Shield

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

There are no monitoring, testing, recordkeeping or reporting requirements for the tanks grouped in this emissions unit.

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**.

Fort Martin Power Station
Storage Tank Inventory for Emission Unit: Insig Tanks

Tank ID#	Year Installed	Tank Capacity (gal)	Stored Substance/Description
A5FM	1967	10,000	Sulfuric Acid Bulk Storage
A6FM			Sulfuric Acid Unit 2 Day Storage
A12FM	1978	250	Xfer House third floor Glycol Storage Tank
A13FM	1978	360	Stacker for Blt Glycol Storage Tank
A14FM	1978	1000	Xfer House Ground Floor Glycol Storage Tank
A15FM	1978	1000	Breaker Room Third Floor Glycol Storage Tank
A16FM	1967	3,000	Unit 1 Head Tank Glycol Storage Tank
A17FM	1967	3,000	Unit 2 Head Tank Glycol Storage Tank
A18FM	1967	5,000	Glycol Bulk Storage Tank
A22FM	1967	450	Em. Diesel Gen. # 1 Fuel Oil Storage Tank
A23FM	1967	15,000	Dozer No. 2 Fuel Oil Storage Tank
A26FM	1967	10000	Unit 1 Turbine Oil Storage Tank
A27FM	1967	10,000	Unit 2 Turbine Oil Storage Tank
A28FM	1967	7,500	Unit 1 Turbine Oil Reservoir
A29FM	1967	7,500	Unit 2 Turbine Oil Reservoir
A30FM	1991	1,000	Waste Oil
A35FM	1992	5,000	Lime Slurry Tank
A36FM	1967	1,600	Unit 1 Boiler Feed Pump Turbine Oil Reserv
A38FM	1978	500	Barge Unloaded Glycol Storage Tank
A39FM	1991	275	Em. Diesel generator No. 2 Fuel Oil Tank
A49FM	1967	1,600	Unit 2 Boiler Feed Pump Turbine Oil Reserv
A51FM	1967	30	Sodium Hydroxide Day Tank
A141FM	1967	700	Boiler feed Pump Turbine Oil Reserv. 1A
A142FM	1967	700	Boiler Feed Pump Turbine Oil Reserv. 1B
A139FM	1967	700	Boiler Feed Pump Turbine Oil Reserv. 2A
A140FM	1967	700	Boiler Feed Pump Turbine Oil Reserv. 2B
A144FM	1997	200	Unit 1 Turbine Oil Filter
A145FM	1997	200	Unit 2 Turbine Oil Filter
A61FM	1985*	1300	No. 1 Cooling Tower Chemical Tank
A66FM	1995*	1300	No. 2 Cooling Tower Chemical Tank
A60FM	2002*	1300	No. 1 Cooling Tower Chemical Tank
A65M	2002*	1300	No. 2 Cooling Tower Chemical Tank
A50FM	1967*	30	Caustic Storage day tank
A01FM	1967	10,000	Caustic Bulk Storage tank
A55FM	1995	100,000	No. 2 Fuel Oil Storage Tank
A56FM	1995	100,000	No. 2 Fuel Oil Storage tank
A57FM	1967	50,000	Dielectric Oil
A59FM	1998	2,500	Ammonium Hydroxide 30%
A63FM	1967*	500	Glycol
A68FM	1990*	220	Solvent
A71FM	1967	650	Equipment Oil – Unit 1

Tank ID#	Year Installed	Tank Capacity (gal)	Stored Substance/Description
A72FM	1967	230	Ammonia – Unit 1
A74FM	1968*	650	Equipment Oil – Unit 2
A75FM	1968*	230	Ammonia – Unit 2
U7FM	1988	2000	Gasoline Storage Tank
U8FM	1988	2000	Kerosene Storage Tank
A177FM	2004	50,000	Urea Storage Tank
A185FM	2009	6,000	$MGOH_2$ Storage Tank
A190FM	2008	300	No. 2 Fuel Oil
A202FM (EDQP-T001)	2008	300	No. 2 Fuel Oil
A203FM (EDQP-T002)	2008	300	No. 2 Fuel Oil
A204FM (EDQP-T003)	2009	300	No. 2 Fuel Oil

ATTACHMENT E - Emission Unit Form

Emission Unit Description		
Emission unit ID number: CT-1, CT-2	**Emission unit name:** CT-1, CT-2	**List any control devices associated with this emission unit:**
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Two Cooling Towers of 250,000 gallon-per-minute circulation water rate.		
Manufacturer:	**Model number:**	**Serial number:**
Construction date: 1967	**Installation date:** 1967	**Modification date(s):** n/a
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 250,000 gpm		
Maximum Hourly Throughput: N/A	**Maximum Annual Throughput:** N/A	**Maximum Operating Schedule:** 8,760 hours
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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	19.88	87.09
Particulate Matter (PM_{10})	19.88	87.09
Total Particulate Matter (TSP)	19.88	87.09
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions negligible due to high moisture content of stored material in ash silo.

Applicable Requirements

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

There are no emissions unit-specific applicable requirements for CT-1 or CT-2.

_X__ Permit Shield

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

There are no emissions unit-specific monitoring /testing /recordkeeping /reporting requirements for CT-1 or CT-2.

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 associated with this emission unit:**
CCB	CCB	Water Truck

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Ash/CCB disposal Area.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	N/A	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	18.38	80.42
Particulate Matter (PM_{10})	148.70	650.57
Total Particulate Matter (TSP)	312.27	1365.64
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 13.2.4.3 Aggregate Handling and Storage Piles (Drop Operation) and
AP-42 11.19.2-2 Crushed Stone Processing and Pulverized Mineral Processing
AP-42 13.2.5 Wind Erosion
AP-42 11.9 Bulldozing/Grading

Applicable Requirements

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

Haul Roads – Dust Suppression: The permittee shall maintain a water truck onsite in good operating condition to apply water, with adequate nozzles and pump capacity providing adequate coverage, as often as necessary to minimize atmospheric entrainment of fugitive particulate emissions from haul roads and other work areas with mobile equipment. Additionally, as often as necessary, the permittee shall apply a mixture of water and an environmentally acceptable dust control additive to unpaved haul roads. For paved haul roads, a wet road sweeper is an acceptable alternative to a water truck. (45CSR§7-5.2, R13-2711A 4.1.5)

_X__ Permit Shield

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

Dust Control Additive Recordkeeping Requirements: - For the purposes of determining compliance with fugitive dust control procedures set forth in Permit Application R13-2711A, the applicant shall maintain records of amount of dust suppression additive used on the roads, as well as the dates of application of the Additive. All records must be retained for a minimum of 5 years. (45CSR13, R13-2711A 4.2)

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 associated with this emission unit:**
PR	PR	Water Truck

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

Paved Road Emissions at Fort Martin Site.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	N/A	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	3.41	10.43
Particulate Matter (PM_{10})	22.75	69.53
Total Particulate Matter (TSP)	116.61	356.36
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 Sect. 13.2.1 Paved Roads

Applicable Requirements

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

Haul Roads – Dust Suppression: The permittee shall maintain a water truck onsite in good operating condition to apply water, with adequate nozzles and pump capacity providing adequate coverage, as often as necessary to minimize atmospheric entrainment of fugitive particulate emissions from haul roads and other work areas with mobile equipment. Additionally, as often as necessary, the permittee shall apply a mixture of water and an environmentally acceptable dust control additive to unpaved haul roads. For paved haul roads, a wet road sweeper is an acceptable alternative to a water truck. (45CSR§7-5.2, R13-2711A 4.1.5)

_X__ Permit Shield

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

Dust Control Additive Recordkeeping Requirements: - For the purposes of determining compliance with fugitive dust control procedures set forth in Permit Application R13-2711A, the applicant shall maintain records of amount of dust suppression additive used on the roads, as well as the dates of application of the Additive. All records must be retained for a minimum of 5 years. (45CSR13, R13-2711A 4.2)

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 associated with this emission unit:**
UPR	UPR	Water Truck

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Unpaved Road Emissions at Fort Martin Site.

Manufacturer:	**Model number:**	**Serial number:**

Construction date:	**Installation date:**	**Modification date(s):**
1967	1967	n/a

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	N/A	8760 hours

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 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	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter ($PM_{2.5}$)	1.76	1.47
Particulate Matter (PM_{10})	4.54	12.05
Total Particulate Matter (TSP)	18.22	45.16
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Emissions based on:

AP-42 Sect. 13.2.1 Paved Roads

Applicable Requirements

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

Haul Roads – Dust Suppression: The permittee shall maintain a water truck onsite in good operating condition to apply water, with adequate nozzles and pump capacity providing adequate coverage, as often as necessary to minimize atmospheric entrainment of fugitive particulate emissions from haul roads and other work areas with mobile equipment. Additionally, as often as necessary, the permittee shall apply a mixture of water and an environmentally acceptable dust control additive to unpaved haul roads. For paved haul roads, a wet road sweeper is an acceptable alternative to a water truck. (45CSR§7-5.2, R13-2711A 4.1.5)

_X__ Permit Shield

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

Dust Control Additive Recordkeeping Requirements: - For the purposes of determining compliance with fugitive dust control procedures set forth in Permit Application R13-2711A, the applicant shall maintain records of amount of dust suppression additive used on the roads, as well as the dates of application of the Additive. All records must be retained for a minimum of 5 years. (45CSR13, R13-2711A 4.2)

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 G
Air Pollution Control Device Forms

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: ESP-1p	**List all emission units associated with this control device.** STACK1	
Manufacturer: Universal Oil Products	**Model number:**	**Installation date:** 1967

Type of Air Pollution Control Device:

___ Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone

___ Carbon Bed Adsorber ___ Packed Tower Scrubber ___ Single Cyclone

___ Carbon Drum(s) __ Other Wet Scrubber ___ Cyclone Bank

___ Catalytic Incinerator ___ Condenser ___ Settling Chamber

___ Thermal Incinerator ___ Flare __ Other (describe) ________

___ Wet Plate Electrostatic Precipitator _X_ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	95.8%

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

This Electrostatic Precipitator has a collection plate area of 276,480 square feet, designed for a particulate loading of 3.55 grains/cu.ft.

Is this device subject to the CAM requirements of 40 C.F.R. 64? _X_ Yes ___ No

If Yes, **Complete ATTACHMENT H**
If No**, Provide justification.**

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

Primary and secondary voltage and current, secondary power and spark rate for each of the fields is monitored and logged in an electronic data acquisition system. In addition, total secondary power level for the entire ESP is also calculated and logged. See CAM monitoring, recordkeeping and reporting conditions in current Title V permit under 4.2.2, 4.4.7, 4.4.9, and 4.5.5.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: ESP-1s	**List all emission units associated with this control device.** STACK1	
Manufacturer: Belco	**Model number:** No. 39 (12-33x13) 4x39-24	**Installation date:** 1982

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		_X_ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	95.8%

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

This Electrostatic Precipitator is installed in series with ESP-1p and has a collection plate area of 474,552 square feet and is designed for a particulate loading of 0.15 grains/ft^3

Is this device subject to the CAM requirements of 40 C.F.R. 64? _X_ Yes ___ No

If Yes, **Complete ATTACHMENT H**
If No**, Provide justification.**

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

Primary and secondary voltage and current, secondary power and spark rate for each of the fields is monitored and logged in an electronic data acquisition system. In addition, total secondary power level for the entire ESP is also calculated and logged. See CAM monitoring, recordkeeping and reporting conditions in current Title V permit under 4.2.2, 4.4.7, 4.4.9, and 4.5.5.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: ESP-2p	**List all emission units associated with this control device.** STACK2	
Manufacturer: Universal Oil Products	**Model number:**	**Installation date:** 1967

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	_X_ Other (describe) _____
___ Wet Plate Electrostatic Precipitator		_X_ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	95.8%

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

This Electrostatic Precipitator has a collection plate area of 276,480 square feet, designed for a particulate loading of 3.55 grains/ft^3

Is this device subject to the CAM requirements of 40 C.F.R. 64? _X_ Yes ___ No

If Yes, **Complete ATTACHMENT H**
If No**, Provide justification.**

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

Primary and secondary voltage and current, secondary power and spark rate for each of the fields is monitored and logged in an electronic data acquisition system. In addition, total secondary power level for the entire ESP is also calculated and logged. See CAM monitoring, recordkeeping and reporting conditions in current Title V permit under 4.2.2, 4.4.7, 4.4.9, and 4.5.5.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: ESP-2s	**List all emission units associated with this control device.** STACK2	
Manufacturer: Belco	**Model number:** No. 39 (12-33x13) 4x39-24	**Installation date:** 1982

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		_X_ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	95.8%

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

This Electrostatic Precipitator is installed in series with ESP-1p and has a collection plate area of 474,552 square feet and is designed for a particulate loading of 0.15 grains/ft^3

Is this device subject to the CAM requirements of 40 C.F.R. 64? _X_ Yes ___ No

If Yes, **Complete ATTACHMENT H**
If No**, Provide justification.**

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

Primary and secondary voltage and current, secondary power and spark rate for each of the fields is monitored and logged in an electronic data acquisition system. In addition, total secondary power level for the entire ESP is also calculated and logged. See CAM monitoring, recordkeeping and reporting conditions in current Title V permit under 4.2.2, 4.4.7, 4.4.9, and 4.5.5.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: FGD-1	**List all emission units associated with this control device.** STACK1	
Manufacturer: Babcock & Wilcox	**Model number:**	**Installation date:** 2010

Type of Air Pollution Control Device:

___ Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone

___ Carbon Bed Adsorber _X_ 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
SO_2	100%	95.0%

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

The scrubber utilizes a lime slurry. The design is a countercurrent tray system with a mist eliminator.

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.** Device is exempt from 40 CFR 64 CAM requirements because it is utilized to comply with the Acid Rain Program Requirements. In addition, a certified CEM is used to measure SO_2 emissions in the exhaust flow and demonstrate continuous compliance.

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

The monitoring of SO_2 emission in the exhaust stream with the certified CEM is the primary method used to indicate the control device is operating properly. In addition, the rate of lime slurry addition to replace the lime that has reacted with SO_2 is modulated to maintain the PH of the slurry returning from the absorber.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: FGD-2	**List all emission units associated with this control device.** STACK2	
Manufacturer: Babcock & Wilcox	**Model number:**	**Installation date:** 2010

Type of Air Pollution Control Device:

___ Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone

___ Carbon Bed Adsorber _X_ 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
SO_2	100%	95.0%

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

The scrubber utilizes a lime slurry. The design is a countercurrent tray system with a mist eliminator.

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.** Device is exempt from 40 CFR 64 CAM requirements because it is utilized to comply with the Acid Rain Program Requirements. In addition, a certified CEM is used to measure SO_2 emissions in the exhaust flow and demonstrate continuous compliance.

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

The monitoring of SO_2 emission in the exhaust stream with the certified CEM is the primary method used to indicate the control device is operating properly. In addition, the rate of lime slurry addition to replace the lime that has reacted with SO_2 is modulated to maintain the PH of the slurry returning from the absorber.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: BV-1	**List all emission units associated with this control device.** DC-1	
Manufacturer: Flex Kleen	**Model number:**	**Installation date:** 2010

Type of Air Pollution Control Device:

_X_ Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone

___ Carbon Bed Adsorber ___ Packed Tower Scrubber ___ Single Cyclone

___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank

___ Catalytic Incinerator ___ Condenser ___ Settling Chamber

___ Thermal Incinerator ___ Flare ___ Other (describe) _____

___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	100%	N/A

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

This baghouse is a 2000 ACFM baghouse, using 1 compartment with 36 bags, yielding a filter area of 457 ft^2. Outlet PM concentration is 0.01 gr/acfm.

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.** Pre-control emissions do not exceed Title V major source threshold.

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

Emission Inspection: Inspect all fugitive dust control systems weekly from May 1 through September 30 and monthly from October 1 through April 30 to ensure that they are operated and maintained in conformance with their designs.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: BV-2	**List all emission units associated with this control device.** DC-2	
Manufacturer: Flex Kleen	**Model number:**	**Installation date:** 2010

Type of Air Pollution Control Device:

_X_ Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone

___ Carbon Bed Adsorber ___ Packed Tower Scrubber ___ Single Cyclone

___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank

___ Catalytic Incinerator ___ Condenser ___ Settling Chamber

___ Thermal Incinerator ___ Flare ___ Other (describe) _____

___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	100%	N/A

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

This baghouse is a 2000 ACFM baghouse, using 1 compartment with 36 bags, yielding a filter area of 457 ft^2. Outlet PM concentration is 0.01 gr/acfm.

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.**

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

Emission Inspection: Inspect all fugitive dust control systems weekly from May 1 through September 30 and monthly from October 1 through April 30 to ensure that they are operated and maintained in conformance with their designs.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: BV-3	**List all emission units associated with this control device.** DC-3	
Manufacturer: Flex Kleen	**Model number:**	**Installation date:** 2010

Type of Air Pollution Control Device:

_X_ Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone

___ Carbon Bed Adsorber ___ Packed Tower Scrubber ___ Single Cyclone

___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank

___ Catalytic Incinerator ___ Condenser ___ Settling Chamber

___ Thermal Incinerator ___ Flare ___ Other (describe) _____

___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	100%	N/A

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

This baghouse is a 2000 ACFM baghouse, using 1 compartment with 36 bags, yielding a filter area of 457 ft^2. Outlet PM concentration is 0.01 gr/acfm.

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.** Pre-control emissions do not exceed Title V major source threshold.

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

Emission Inspection: Inspect all fugitive dust control systems weekly from May 1 through September 30 and monthly from October 1 through April 30 to ensure that they are operated and maintained in conformance with their designs.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: DC-1, DC-2	**List all emission units associated with this control device.** CS-1	
Manufacturer: N/A	**Model number:**	**Installation date:** 1967

Type of Air Pollution Control Device:

___ Baghouse/Fabric Filter ___ Venturi Scrubber _X_ Multiclone

___ Carbon Bed Adsorber ___ Packed Tower Scrubber ___ Single Cyclone

___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank

___ Catalytic Incinerator ___ Condenser ___ Settling Chamber

___ Thermal Incinerator ___ Flare ___ Other (describe) _____

___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	N/A	N/A

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

These rotoclones are each rated at 10,000 ACFM. Outlet grain loading concentration is 0.01 gr/acfm.

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.** Pre-control emissions do not exceed Title V major source threshold.

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

Emission Inspection: Inspect all fugitive dust control systems weekly from May 1 through September 30 and monthly from October 1 through April 30 to ensure that they are operated and maintained in conformance with their designs.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: DC-3, DC-4	**List all emission units associated with this control device.** CS-2	
Manufacturer: N/A	**Model number:**	**Installation date:** 1967

Type of Air Pollution Control Device:

___ Baghouse/Fabric Filter ___ Venturi Scrubber _X_ Multiclone

___ Carbon Bed Adsorber ___ Packed Tower Scrubber ___ Single Cyclone

___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank

___ Catalytic Incinerator ___ Condenser ___ Settling Chamber

___ Thermal Incinerator ___ Flare ___ Other (describe) _____

___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	N/A	N/A

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

These rotoclones are each rated at 10,000 ACFM. Outlet grain loading concentration is 0.01 gr/acfm.

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.** Pre-control emissions do not exceed Title V major source threshold.

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

Emission Inspection: Inspect all fugitive dust control systems weekly from May 1 through September 30 and monthly from October 1 through April 30 to ensure that they are operated and maintained in conformance with their designs.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: GORE System	**List all emission units associated with this control device.** B1 (Stack 1) & B2 (Stack 2)	
Manufacturer: W. L. Gore and Associates	**Model number:** MM3000	**Installation date:** B1 (2014); B2 (2016)

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	X Other (describe) **Modules**
___ 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
Mercury	Variable - Dependent on flue gas characteristics and Hg content in coal.	Variable - Dependent on flue gas characteristics and Hg content in coal.

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

This is a fixed static system consisting of 5 layers of modules (25" X 27" X 13"); Layers 1-4 (394 modules) Layer 5 (354 modules)). The GORE modules are located in the FGD absorber vessel after the FGD system and prior to the flue gas exiting through the stack.

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.** This add-on control is designed to aid the existing controls in controlling mercury emissions as per the MATs regulations.

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

Mercury concentrations in the flue gas in each stack is monitoring by the existing continuous mercury monitoring system (Tekran CMMs).