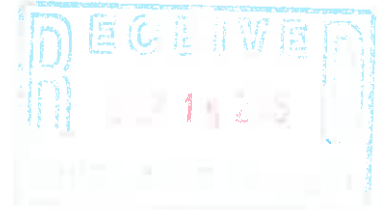


BY OVERNIGHT DELIVERY

September 11, 2015

Mr. William F. Durham
Director
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street
Charleston, West Virginia 25304



RE: Mt. Storm Power Station: Request for Title V Permit Renewal (Permit Number R30-02300003-2011(SM02))

Dear Mr. Durham:

Dominion hereby submits the renewal application for the Title V permit (R30-02300003-2011(SM02)) for our Mount Storm Power Station located in Grant County. In accordance with DAQ instructions, two CDs and the original signature page of the "Title V General Application Form" are enclosed. These CDs contain copies of all of the required forms, maps, and drawings in PDF format.

This renewal application includes any changes made to the facility since the last permit. We have also included the new Transport Rule and the utility MATS as applicable requirements for the EGUs at this facility. We were recently issued permit R13-2034E, which provides for substantial changes to the fuel handling at this facility. Those changes are currently under construction and are planned to be completed by the end of 2017. Some of the permitted equipment at the facility will be removed as a result of these changes. We will update the Title V permit or application as appropriate to accommodate these changes. The MATS rule also presents opportunities for streamlining the monitoring, recordkeeping, reporting, and testing requirements for this facility.

Please contact Andy Gates at (804) 273-2950 or andy.gates@dom.com if you have any questions or need additional information.

Sincerely,

Scott Lawton
Director, Electric Environmental Business Support

Enclosures

cc: (CERTIFIED MAIL, copy of letter and one disk)

Director, Air Enforcement Division
Office of Enforcement and Compliance Assurance
U.S. Environmental Protection Agency
Ariel Rios Building (2242A)
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

Regional Administrator
U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19106

Director
Virginia Department of Environmental Quality
629 East Main Street
P.O. Box 10009
Richmond, VA 23240-0009

Bureau Chief
Environmental Protection Bureau
New York Attorney General's Office
120 Broadway
New York, New York 10271

Administrator
Air and Environmental Quality Compliance and Enforcement
P.O. Box 422
401 East State Street, Floor 4
Trenton, NJ 08625

Section Chief
Environmental Enforcement
Division of Law
P.O. Box 093
25 Market Street, 7th Floor
Trenton, NJ 08625

Mr. William F. Durham
Page 3
September 11, 2015

Department Head
Environmental Protection Department Connecticut Attorney General's Office
55 Elm Street
Hartford, CT 06106

Dominion Energy
Vice President- Fossil and Hydro
5000 Dominion Boulevard
Glen Allen, VA 23060

Chief Environmental Enforcement Section
U.S. Department of Justice
P.O. Box 7611, Ben Franklin Station
Washington, D.C. 20044-7611

Virginia Electric and Power Company
Mt. Storm Power Station
Title V Renewal Application R30-02300003-2011 (SM2)
Contents:

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Phase II Acid Rain Permit	24



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

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

www.dep.wv.gov/daq

INITIAL/RENEWAL TITLE V PERMIT APPLICATION - GENERAL FORMS

Section 1: General Information

1. Name of Applicant (As registered with the WV Secretary of State's Office): Virginia Electric and Power Company		2. Facility Name or Location: Mt. Storm Power Station	
3. DAQ Plant ID No.: 023-00003		4. Federal Employer ID No. (FEIN): 54-0418825	
5. Permit Application Type: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Initial Permit <input checked="" type="checkbox"/> Permit Renewal <input type="checkbox"/> Update to Initial/Renewal Permit Application </div> <div> When did operations commence? Unit 1: September 1965; Unit 2: July 1966; Unit 3: December 1973 What is the expiration date of the existing permit? 03/15/2016 </div> </div>			
6. Type of Business Entity: <div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Governmental Agency <input type="checkbox"/> LLC <input type="checkbox"/> Partnership <input type="checkbox"/> Limited Partnership </div>		7. Is the Applicant the: <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Both </div> <p>If the Applicant is not both the owner and operator, please provide the name and address of the other party. <u>NA</u></p>	
8. Number of onsite employees: Approx. 273			
9. Governmental Code: <div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Privately owned and operated; 0 <input type="checkbox"/> Federally owned and operated; 1 <input type="checkbox"/> State government owned and operated; 2 </div> <div> <input type="checkbox"/> County government owned and operated; 3 <input type="checkbox"/> Municipality government owned and operated; 4 <input type="checkbox"/> District government owned and operated; 5 </div> </div>			
10. Business Confidentiality Claims <p>Does this application include confidential information (per 45CSR31)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>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.</p>			

11. Mailing Address		
Street or P.O. Box: Scott Lawton 5000 Dominion Blvd.		
City: Glen Allen	State: VA	Zip: 23060-3308
Telephone Number: (804) 273-2600	Fax Number: (804) 273-2964	

12. Facility Location		
Street: 436 Dominion Blvd.	City: Mt. Storm	County: Grant
UTM Easting: 649.85 km	UTM Northing: 4,340.00 km	Zone: <input checked="" type="checkbox"/> 17 or <input type="checkbox"/> 18
Directions: Well-known location off WV Route 93/Corridor H near the Grant/Tucker county line		
Portable Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Is facility located within a nonattainment area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, for what air pollutants? NA
Is facility located within 50 miles of another state? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If yes, name the affected state(s). Maryland Pennsylvania Virginia
Is facility located within 100 km of a Class I Area¹? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, do emissions impact a Class I Area¹? <input type="checkbox"/> Yes <input type="checkbox"/> No		If yes, name the area(s). Dolly Sods Wilderness Area Otter Creek Wilderness Area Shenandoah National Park
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: Carl R. Ford		Title: Station Director
Street or P.O. Box: 436 Dominion Blvd.		
City: Mt. Storm	State: WV	Zip: 26739-8632
Telephone Number: (304) 259-4360	Fax Number: (304) 259-4011	
E-mail address: carl.r.ford@dom.com		
Environmental Contact: Kristin Edwards		Title: Environmental Supervisor
Street or P.O. Box: 436 Dominion Blvd.		
City: Mt. Storm	State: WV	Zip: 26739-8632
Telephone Number: (304) 259-4402	Fax Number: (304) 259-4011	
E-mail address: Kristin.d.edwards@dom.com		
Application Preparer: Andy Gates		Title: Environmental Consultant
Company: Dominion (Virginia Electric and Power Company)		
Street or P.O. Box: 5000 Dominion Blvd.		
City: Glen Allen	State: VA	Zip: 23060
Telephone Number: (804) 273-2950	Fax Number: (804) 273-2964	
E-mail address: andy.gates@dom.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 power generation facility	Electricity	221112	4911

Provide a general description of operations.

Virginia Electric and Power Company's Mt. Storm Power Station is a coal-fired electric generation facility that operates under SIC code 4911 and NAICS code 22112. The facility consists of three (3) coal-fired boilers, two with nominal rated design capacities of 6,199 mmBtu/hr each and one with a nominal rated design capacity of 5,824 mmBtu/hr, an oil-fired auxiliary boiler with a nominal rated design capacity of 150 mmBtu/hr, and various supporting operations such as coal handling, ash handling, limestone handling, and various tanks with insignificant emissions. With some exceptions noted elsewhere in this application, the Mt. Storm Power Station has the potential to operate seven (7) days per week, twenty-four (24) hours per day and fifty-two (52) weeks per year.

The fuel delivery and handling system is undergoing a lengthy change covered by Permit R13-2034E that is planned to be completed by 2017.

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.

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

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

40 CFR 60 Subpart D	The Steam Generators potentially subject to this rule commenced construction prior to August 17, 1971
40 CFR 60 Subpart Db	The Steam Generator potentially subject to this rule commenced construction prior to June 19, 1984
40 CFR 60 Subpart Dc	This facility does not have Steam Generators less than 100 mmBtu/hr heat input but greater than 10 mmBtu/hr heat input.
40 CFR 60 Subpart K	The facility does not include storage vessels that are used to store petroleum liquids (as defined in 40 CFR 60.111(b)) which construction, reconstruction, or modification commenced after June 11, 1973 and prior to May 19, 1978.
40 CFR 60 Subpart Ka	The facility does not include storage vessels that are used to store petroleum liquids (as defined in 40 CFR 60.111a(b)) which construction, reconstruction, or modification commenced after May 18, 1978 and prior to July 23, 1984.
40 CFR 60 Subpart Kb	Storage vessels potentially affected by this subpart have a storage capacity of less than 75 cubic meters and therefore are not subject to this subpart.
40 CFR 60 Subpart GG	The Combustion Turbine potentially subject to this rule commenced construction prior to October 3, 1977 and combusts Jet Fuel Oil.
40 CFR 60 Subpart KKKK	The Combustion Turbine potentially subject to this rule commenced construction prior to October 3, 1977 and combusts Jet Fuel Oil.
40 CFR 63 Subpart YYYYY	The Combustion Turbine potentially subject to this rule commenced construction prior to February 18, 2005.
40 CFR 64	The existing Title V permit contains monitoring requirements that meet the definition of "continuous compliance demonstration method." Therefore in accordance with 40 CFR §64.2(b)(vi), this facility is exempt from the requirements of 40 CFR Part 64.
40 CFR 82 Subpart B	The facility does not conduct motor vehicle maintenance involving CFCs on site.

☒ 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).

45CSR§6-3.1 – Open burning prohibited (TV 3.1.1)

45CSR§6-3.2 – Open burning exemptions (TV 3.1.2)

40 C.F.R. §61.145(b) and 45CSR34 – Asbestos inspection and removal (TV 3.1.3)

45CSR§11-5.2 – Standby plans for emergency episodes (TV 3.1.5)

W.Va. Code § 22-5-4(a)(14) – Annual emissions inventory submittal (TV 3.1.6)

40 CFR 82, Subpart F – Ozone-depleting substances (TV 3.1.7)

40 CFR 68 – Risk management plan (TV 3.1.8)

45 CSR 39 – Annual NO_x CAIR program (TV 3.1.9) [pending replacement by Transport Rule]

45 CSR 40 – Ozone season NO_x CAIR program (TV 3.1.10) [pending replacement by Transport Rule]

45 CSR 41 – Annual SO₂ CAIR program (TV 3.1.11) [pending replacement by Transport Rule]

45CSR§2-5 – Fugitive particulate matter (TV 3.1.13)

40 CFR 97 Subparts AAAAA – DDDDD – Transport Rule Requirements (new requirements to be included in Title V)

State only:

45CSR§4-3.1 – No objectionable odors (TV 3.1.4)

☒ 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.)

WV Code § 22 5 4(a)(14-15), 45CSR2, 45CSR10, 45CSR13 and 45CSR14 – General testing requirements (TV 3.3.1)

45CSR§30-5.1.c.2.A. – Monitoring information (TV 3.4.1)

45CSR§30-5.1.c.2.B. – Retention of records (TV 3.4.2)

45CSR§30-5.1.c. – Records of fugitive particulate matter control (TV 3.4.4)

45CSR§§30-4.4. and 5.1.c.3.D. – Responsible official requirements (TV 3.5.1)

45CSR§30-5.1.c.3.E. – Confidential business information requirements (TV 3.5.2)

45CSR§30-8. – Certified emissions statement requirements (TV 3.5.4)

45CSR§30-5.3.e. – Compliance certification requirements (TV 3.5.5)

45CSR§30-5.1.c.3.A. – Semi-annual monitoring report requirements (TV 3.5.6)

45CSR§30-5.1.c.3.C. and 45CSR§30-5.1.c.3.B. – Deviation reporting requirements (TV 3.5.8)

45CSR§30-4.3.h.1.B. – Incorporation of new applicable requirements (TV 3.5.9)

State only:

45CSR§4 – Maintain records of complaints regarding objectionable odors (TV 3.4.3)

☒ Permit Shield

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

[illegible]

22. Inactive Permits/Obsolete Permit Conditions

[illegible]

Section 3: Facility-Wide Emissions

23. Facility-Wide Emissions Summary [Tons per Year]	
Criteria Pollutants	Potential Emissions
Carbon Monoxide (CO)	11,340.64
Nitrogen Oxides (NO _x)	9,543.64
Lead (Pb)	0.47
Particulate Matter (PM _{2.5}) ¹	(included with TSP)
Particulate Matter (PM ₁₀) ¹	2,414.07
Total Particulate Matter (TSP)	2,471.52
Sulfur Dioxide (SO ₂)	213,635.70
Volatile Organic Compounds (VOC)	195.53
Hazardous Air Pollutants ²	Potential Emissions
Chromium	0.61
Manganese	1.53
Nickel	0.64
HCl	158.02
HF	24.19
Mercury	0.01
Selenium	4.21
Cadmium	0.08
Arsenic	0.71
Beryllium	0.03
Regulated Pollutants other than Criteria and HAP	Potential Emissions
Sulfuric acid mist	335.36
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)	
<input checked="" type="checkbox"/>	1. Air compressors and pneumatically operated equipment, including hand tools.
<input checked="" type="checkbox"/>	2. Air contaminant detectors or recorders, combustion controllers or shutoffs.
<input checked="" type="checkbox"/>	3. Any consumer product used in the same manner as in normal consumer use, provided the use results in a duration and frequency of exposure which are not greater than those experienced by consumer, and which may include, but not be limited to, personal use items; janitorial cleaning supplies, office supplies and supplies to maintain copying equipment.
<input checked="" type="checkbox"/>	4. Bathroom/toilet vent emissions.
<input checked="" type="checkbox"/>	5. Batteries and battery charging stations, except at battery manufacturing plants.
<input checked="" type="checkbox"/>	6. Bench-scale laboratory equipment used for physical or chemical analysis, but not lab fume hoods or vents. Many lab fume hoods or vents might qualify for treatment as insignificant (depending on the applicable SIP) or be grouped together for purposes of description.
<input type="checkbox"/>	7. Blacksmith forges.
<input checked="" type="checkbox"/>	8. Boiler water treatment operations, not including cooling towers.
<input checked="" type="checkbox"/>	9. Brazing, soldering or welding equipment used as an auxiliary to the principal equipment at the source.
<input type="checkbox"/>	10. CO ₂ lasers, used only on metals and other materials which do not emit HAP in the process.
<input checked="" type="checkbox"/>	11. Combustion emissions from propulsion of mobile sources, except for vessel emissions from Outer Continental Shelf sources.
<input type="checkbox"/>	12. Combustion units designed and used exclusively for comfort heating that use liquid petroleum gas or natural gas as fuel.
<input checked="" type="checkbox"/>	13. Comfort air conditioning or ventilation systems not used to remove air contaminants generated by or released from specific units of equipment.
<input checked="" type="checkbox"/>	14. Demineralized water tanks and demineralizer vents.
<input type="checkbox"/>	15. Drop hammers or hydraulic presses for forging or metalworking.
<input checked="" type="checkbox"/>	16. Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam.
<input type="checkbox"/>	17. Emergency (backup) electrical generators at residential locations.
<input checked="" type="checkbox"/>	18. Emergency road flares.
<input type="checkbox"/>	<p>19. Emission units which do not have any applicable requirements and which emit criteria pollutants (CO, NO_x, SO₂, 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.</p> <p>Please specify all emission units for which this exemption applies along with the quantity of criteria pollutants emitted on an hourly and annual basis:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>

24. Insignificant Activities (Check all that apply)	
<input type="checkbox"/>	<p>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.</p> <p>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:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
<input type="checkbox"/>	21. Environmental chambers not using hazardous air pollutant (HAP) gases.
<input checked="" type="checkbox"/>	22. Equipment on the premises of industrial and manufacturing operations used solely for the purpose of preparing food for human consumption.
<input type="checkbox"/>	23. Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.
<input checked="" type="checkbox"/>	24. Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis.
<input checked="" type="checkbox"/>	25. Equipment used for surface coating, painting, dipping or spray operations, except those that will emit VOC or HAP.
<input checked="" type="checkbox"/>	26. Fire suppression systems.
<input checked="" type="checkbox"/>	27. Firefighting equipment and the equipment used to train firefighters.
<input checked="" type="checkbox"/>	28. Flares used solely to indicate danger to the public.
<input checked="" type="checkbox"/>	29. Fugitive emission related to movement of passenger vehicle provided the emissions are not counted for applicability purposes and any required fugitive dust control plan or its equivalent is submitted.
<input checked="" type="checkbox"/>	30. Hand-held applicator equipment for hot melt adhesives with no VOC in the adhesive formulation.
<input checked="" type="checkbox"/>	31. Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning or machining wood, metal or plastic.
<input type="checkbox"/>	32. Humidity chambers.
<input type="checkbox"/>	33. Hydraulic and hydrostatic testing equipment.
<input checked="" type="checkbox"/>	34. Indoor or outdoor kerosene heaters.
<input checked="" type="checkbox"/>	35. Internal combustion engines used for landscaping purposes.
<input type="checkbox"/>	36. Laser trimmers using dust collection to prevent fugitive emissions.
<input checked="" type="checkbox"/>	37. Laundry activities, except for dry-cleaning and steam boilers.
<input type="checkbox"/>	38. Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.
<input checked="" type="checkbox"/>	39. Oxygen scavenging (de-aeration) of water.
<input type="checkbox"/>	40. Ozone generators.

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

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

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: Carl R. Ford

Title: Station Director

Responsible official's signature:

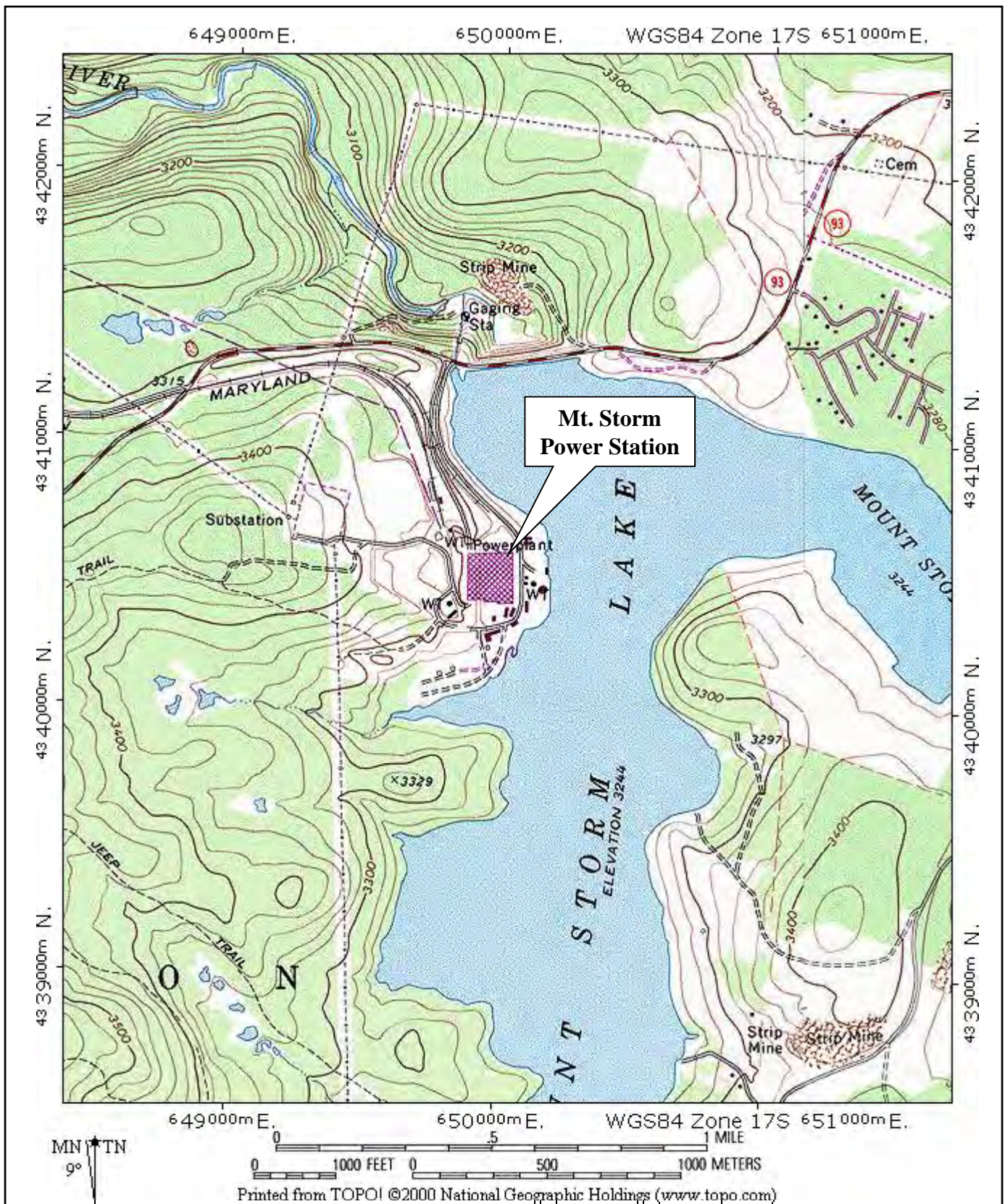
Signature: Carl R. Ford Signature Date: 9/9/2015
(Must be signed and dated in blue ink)

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

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | ATTACHMENT A: Area Map |
| <input checked="" type="checkbox"/> | ATTACHMENT B: Plot Plan(s) |
| <input checked="" type="checkbox"/> | ATTACHMENT C: Process Flow Diagram(s) |
| <input checked="" type="checkbox"/> | ATTACHMENT D: Equipment Table |
| <input checked="" type="checkbox"/> | ATTACHMENT E: Emission Unit Form(s) |
| <input type="checkbox"/> | ATTACHMENT F: Schedule of Compliance Form(s) |
| <input checked="" type="checkbox"/> | ATTACHMENT G: Air Pollution Control Device Form(s) |
| <input type="checkbox"/> | ATTACHMENT H: Compliance Assurance Monitoring (CAM) Form(s) |

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

ATTACHMENT A
FACILITY AREA MAP



URS

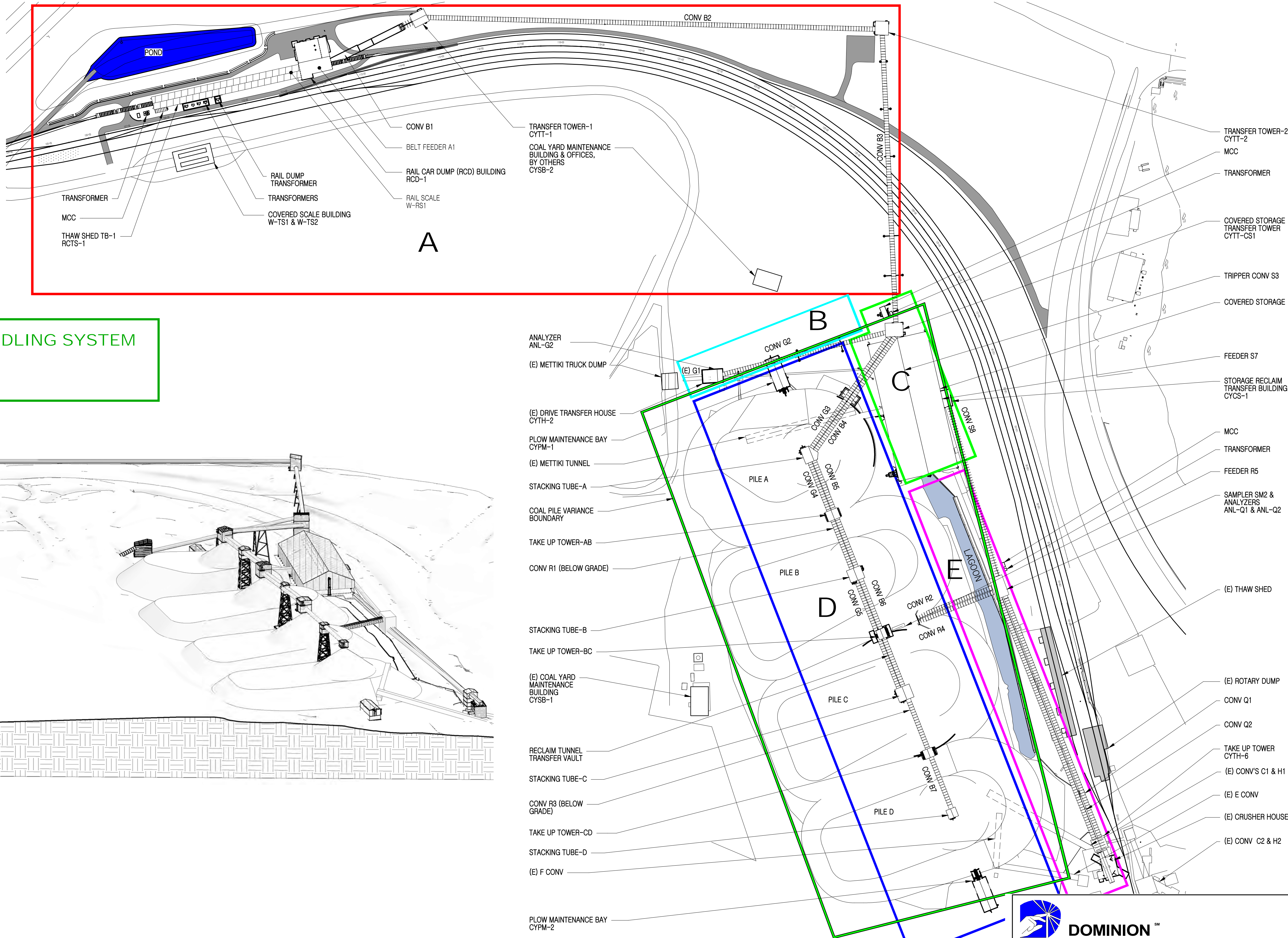
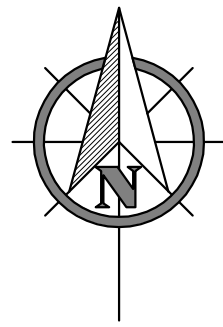
5540 Falmouth Street, Suite 201
Richmond, Virginia 23230
PHONE: 804-965-9000 FAX: 804-965-9764

Diagram 1 Site Vicinity Map

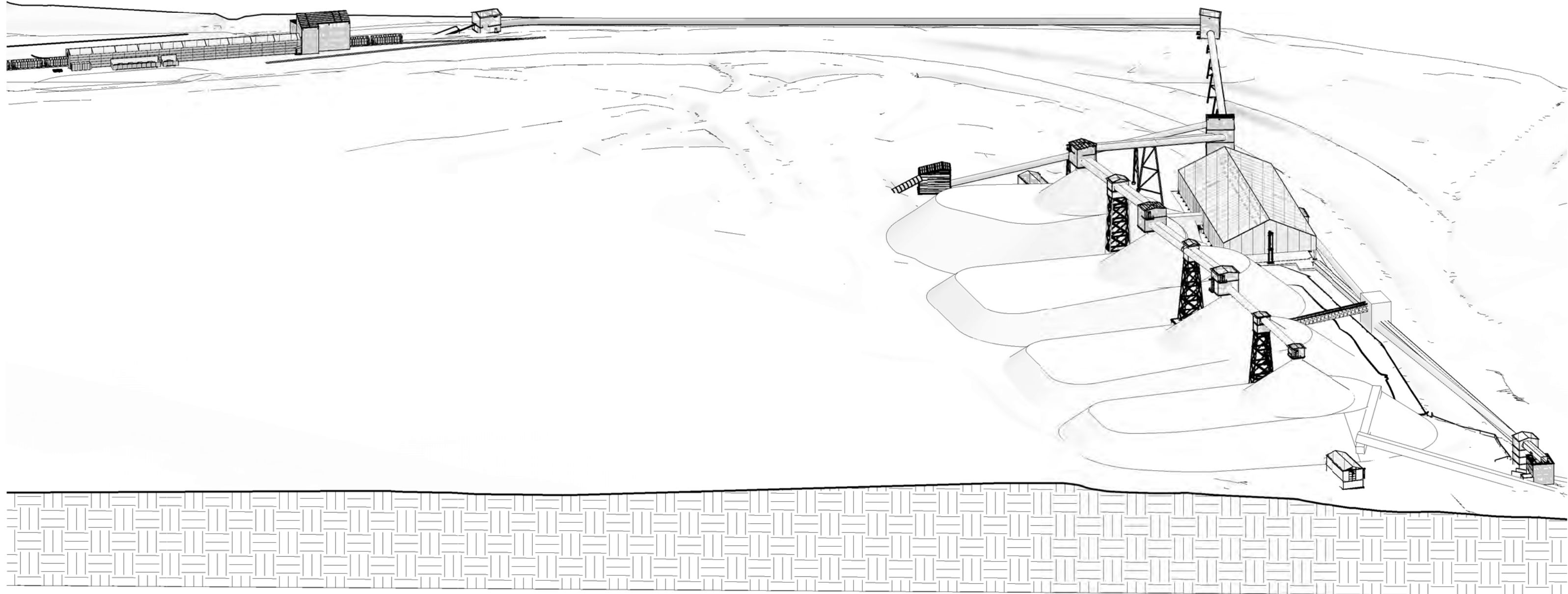
Dominion Generation
Mt. Storm Power Station
Mt. Storm, West Virginia

Date: December 2003
Job Number: 49498-038-155

**ATTACHMENT B
FACILITY PLOT PLAN**



FUTURE CONFIGURATION OF COAL HANDLING SYSTEM
EXPECTED COMPLETION 2017



1011 E Murray Holladay Rd
Suite 200
Salt Lake City, UT 84117
Phone: (801) 904-2260
Fax: (801) 904-2261
www.millcreekeng.com

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POWER GENERATION ENGINEERING
RICHMOND, VIRGINIA

AREA KEY PLAN

COAL YARD FUEL FLEXIBILITY
MT. STORM POWER STATION, WEST VIRGINIA

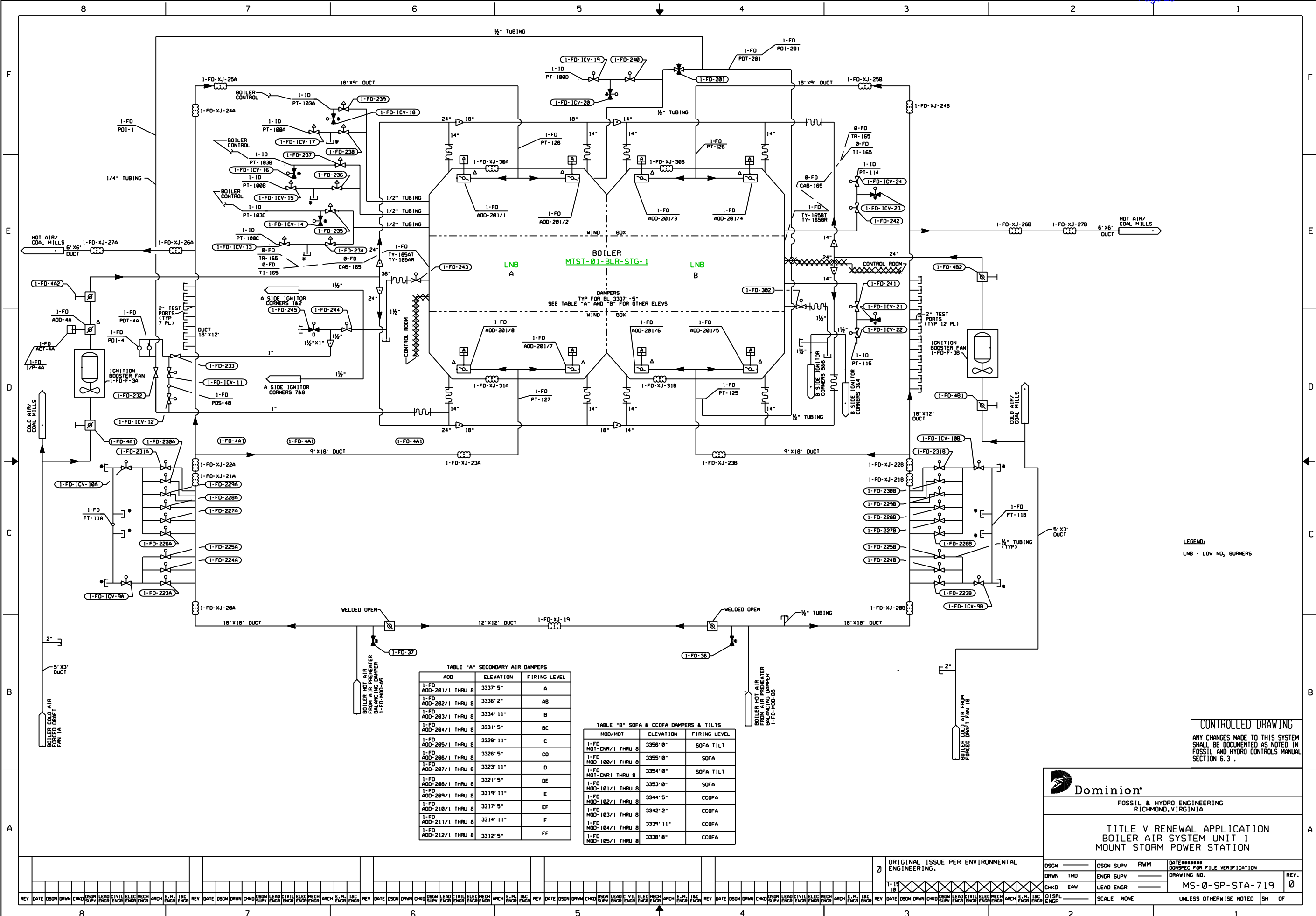
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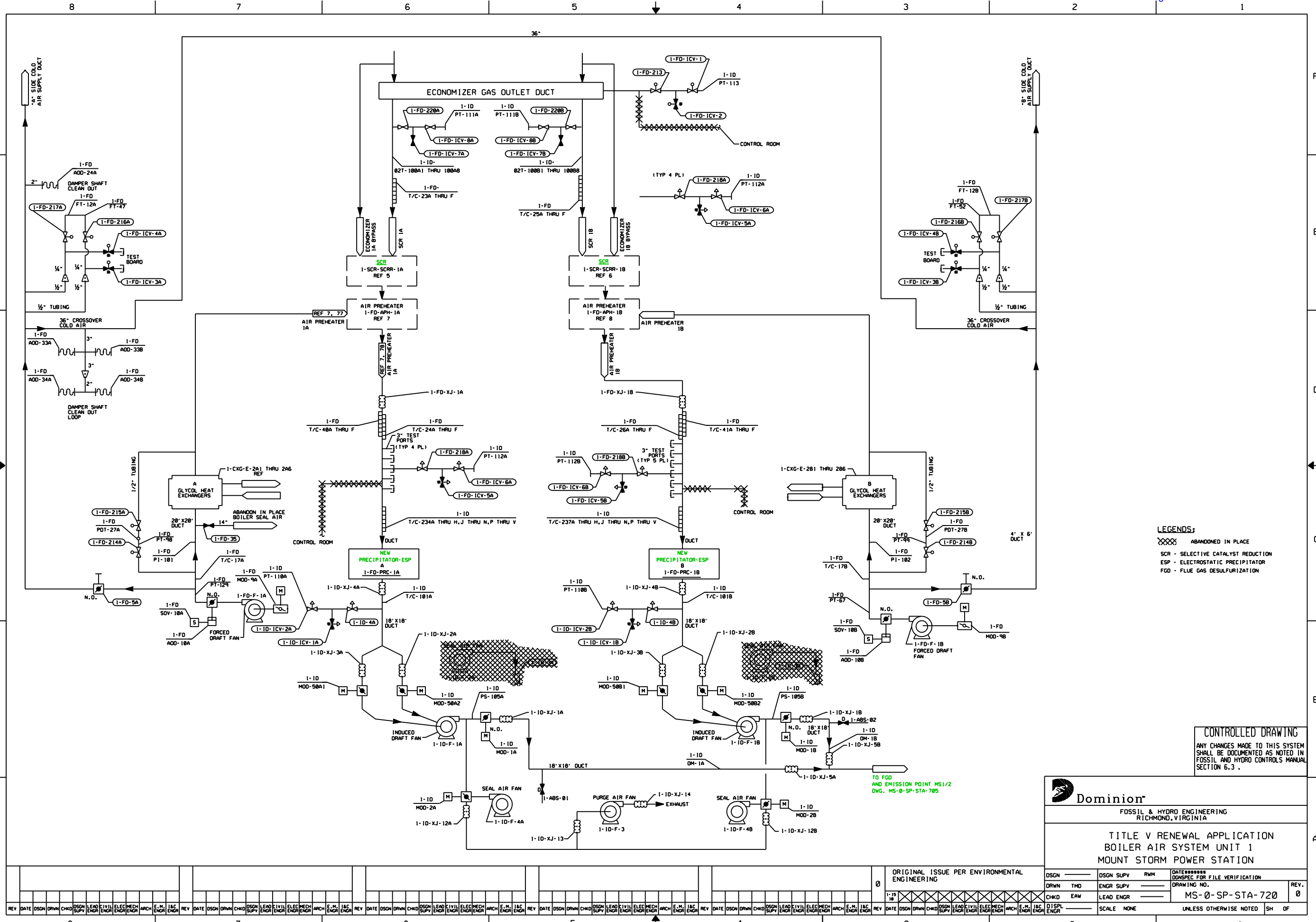
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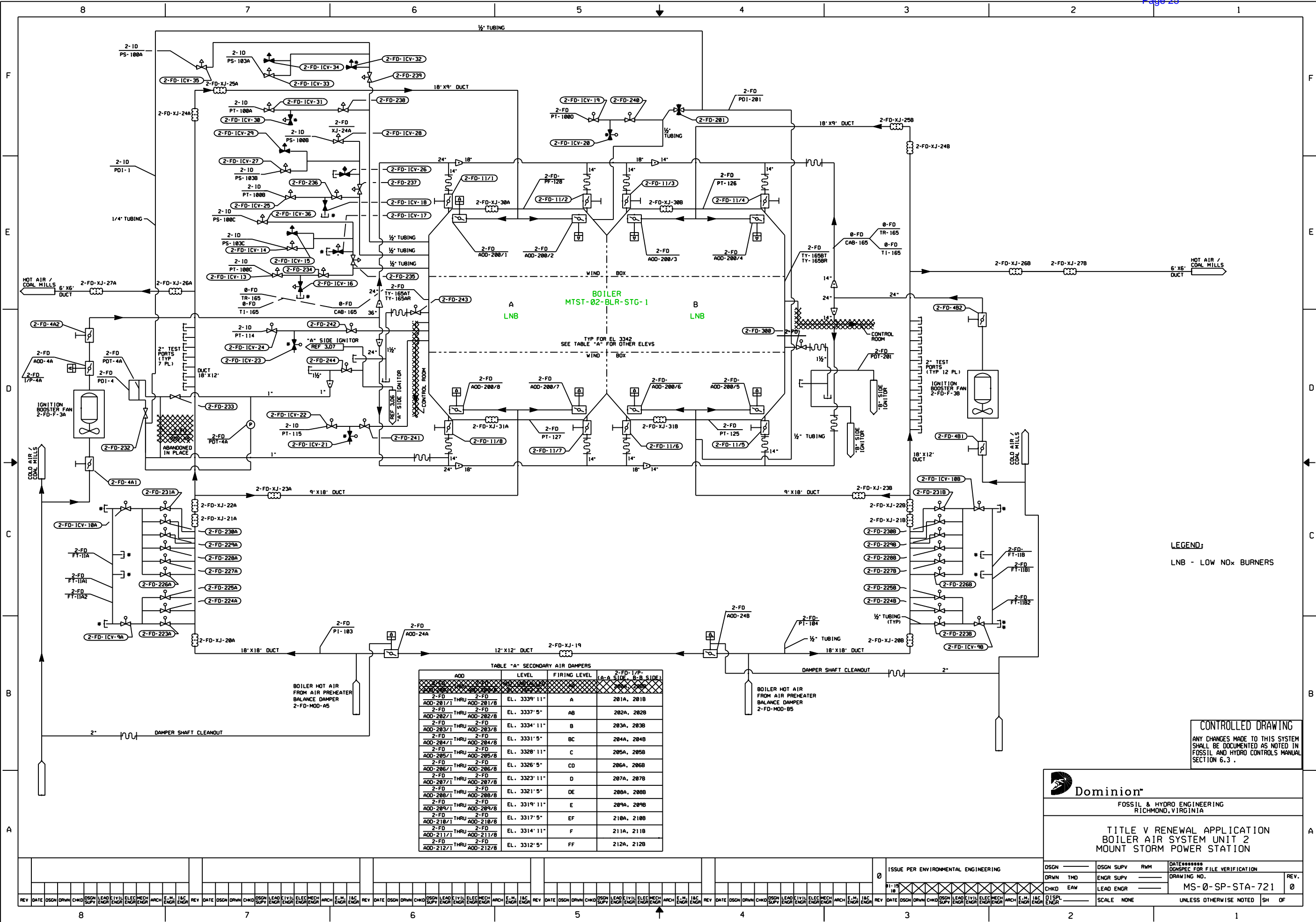
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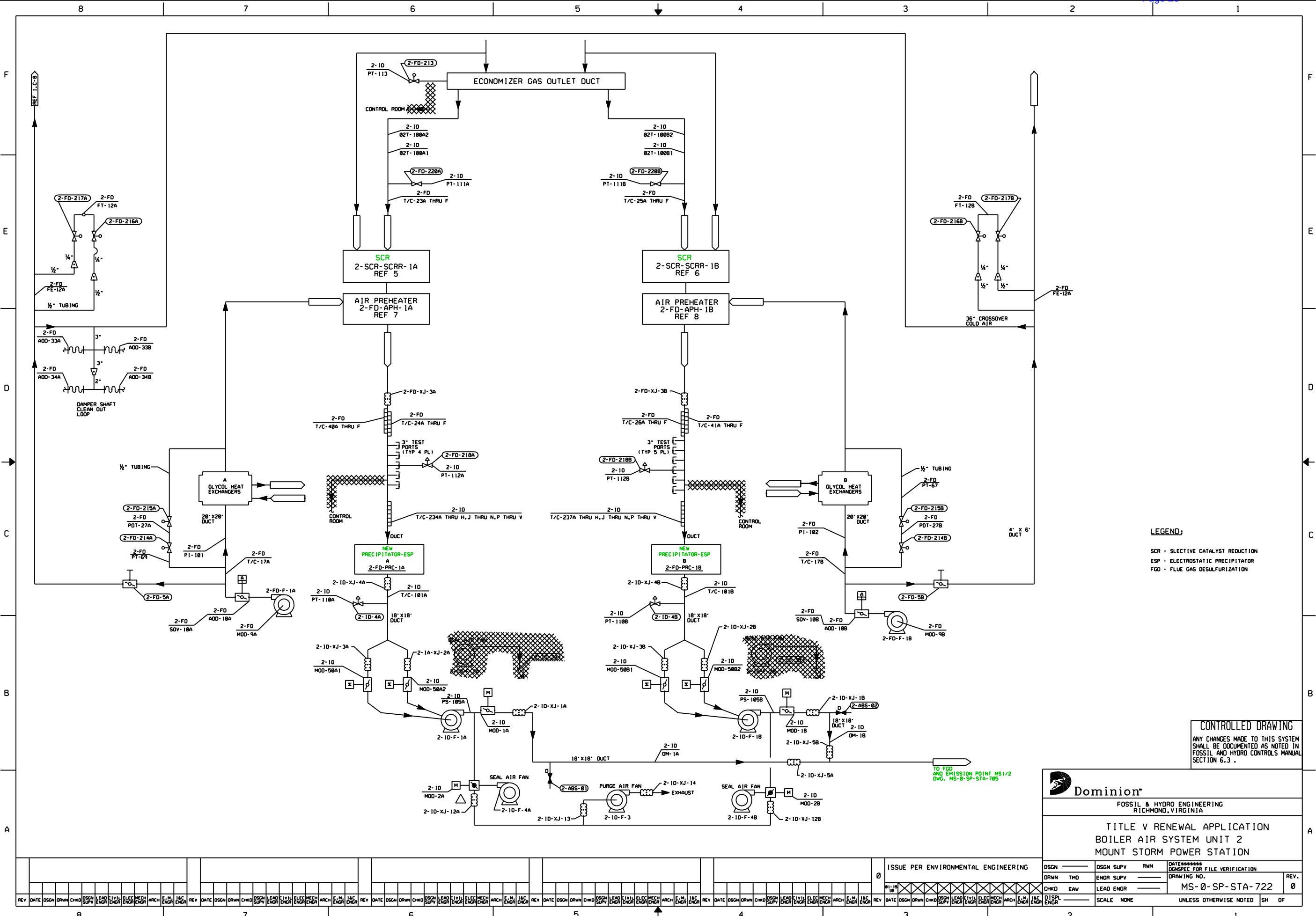
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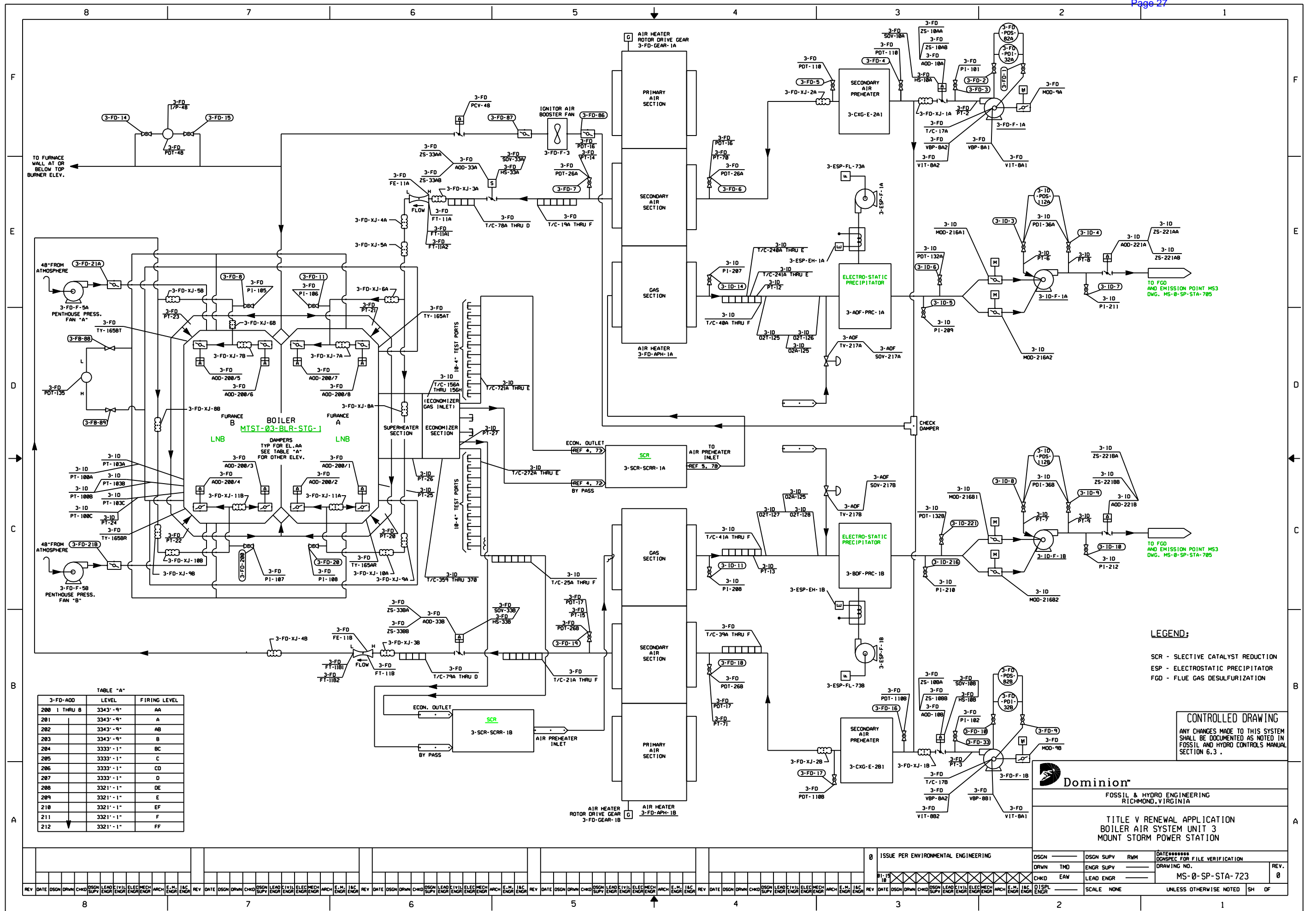
ATTACHMENT C
PROCESS FLOW DIAGRAMS

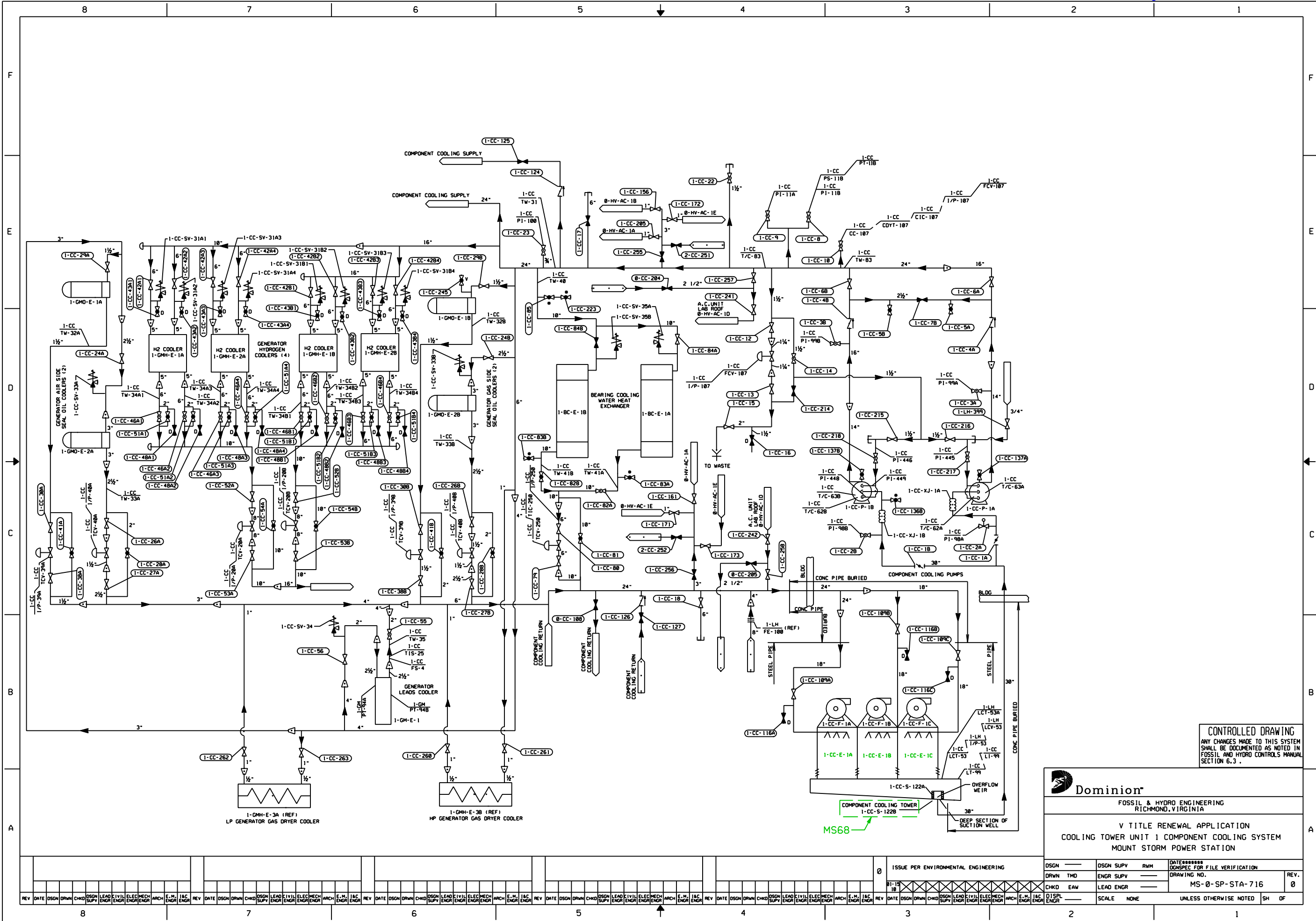


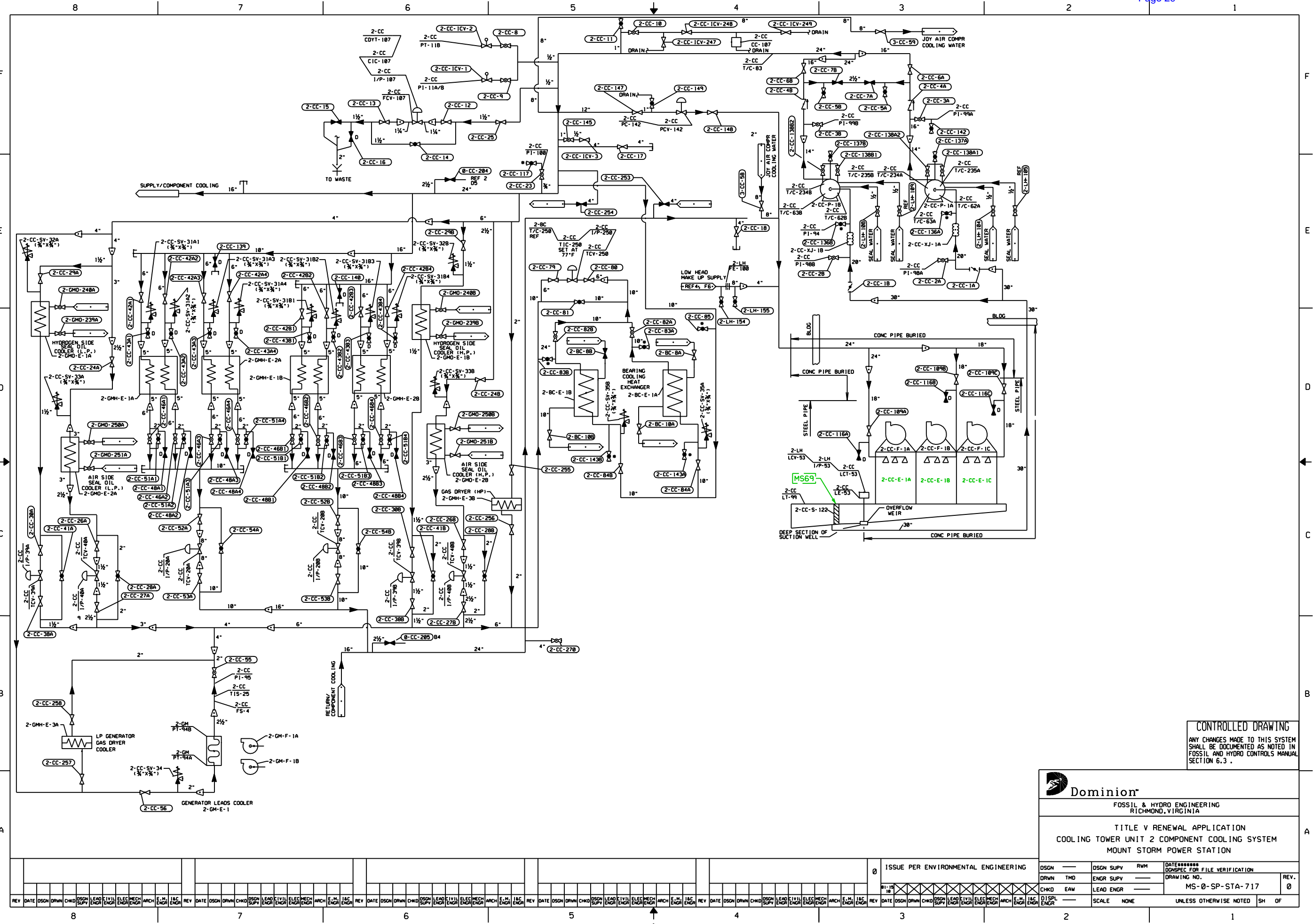


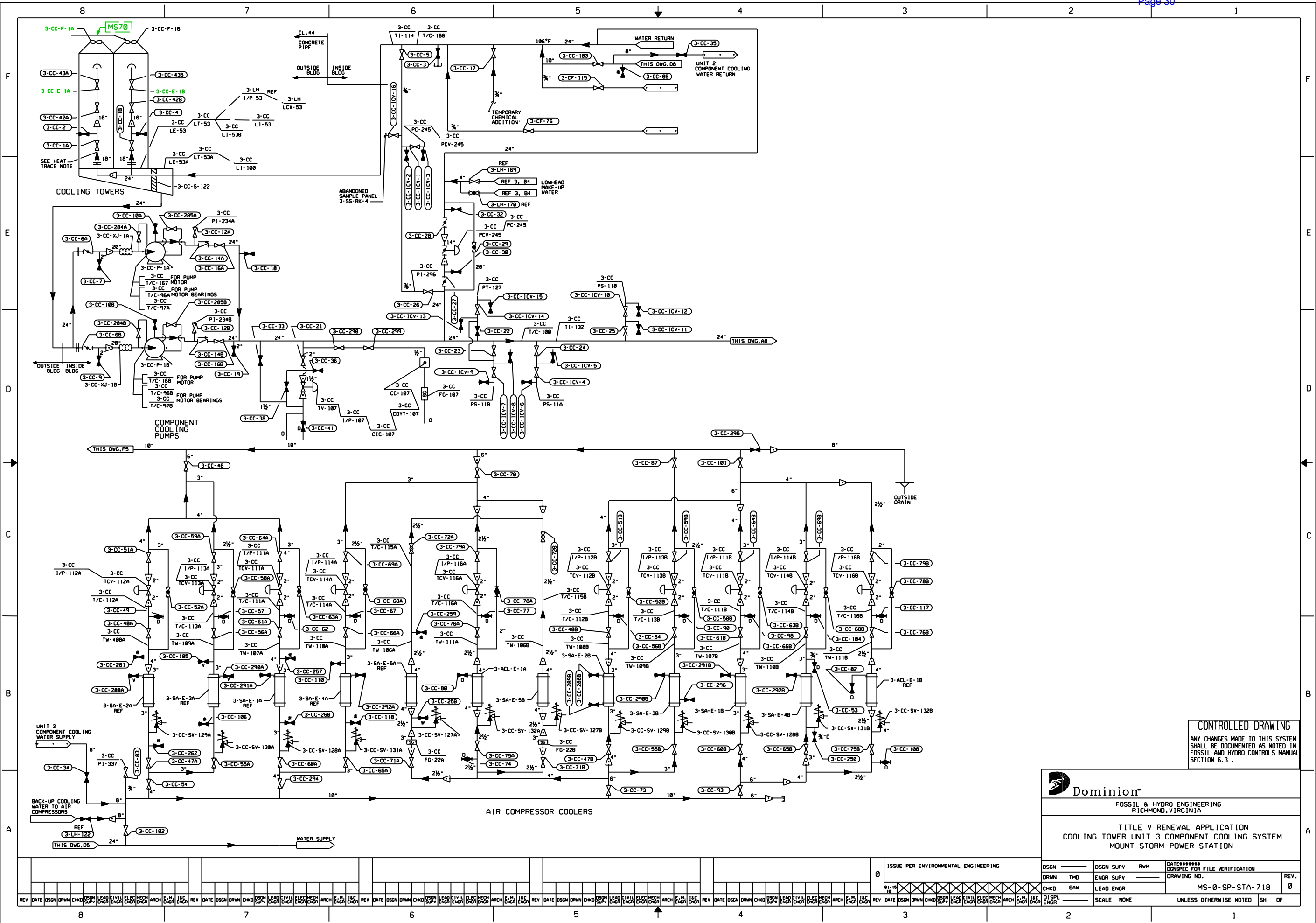


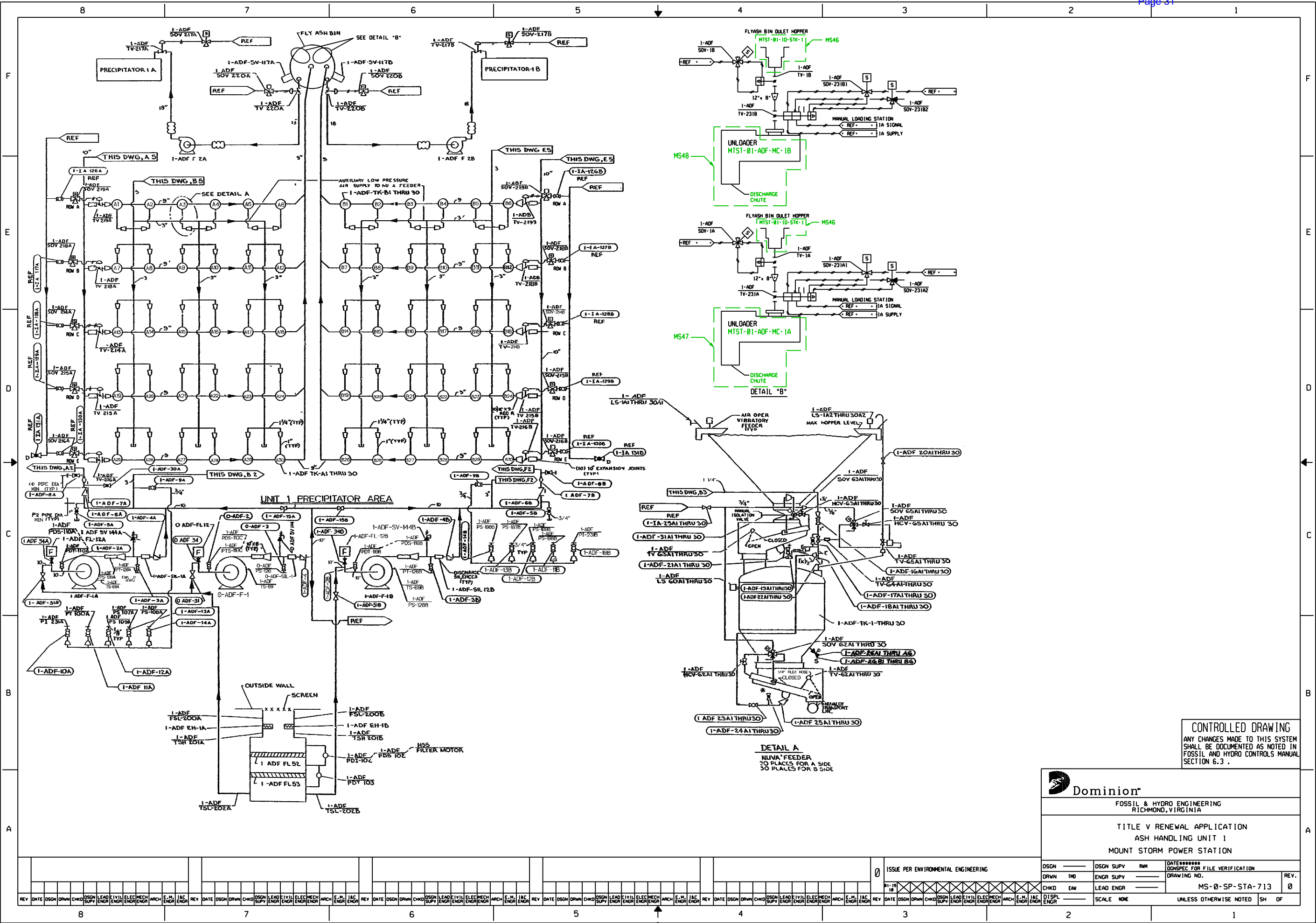


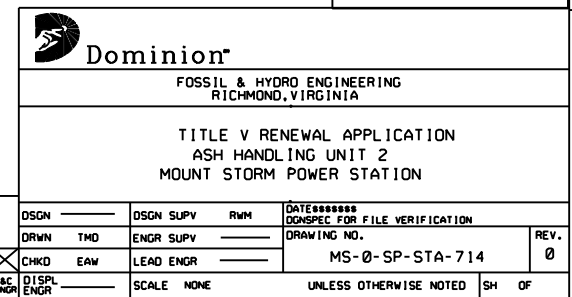


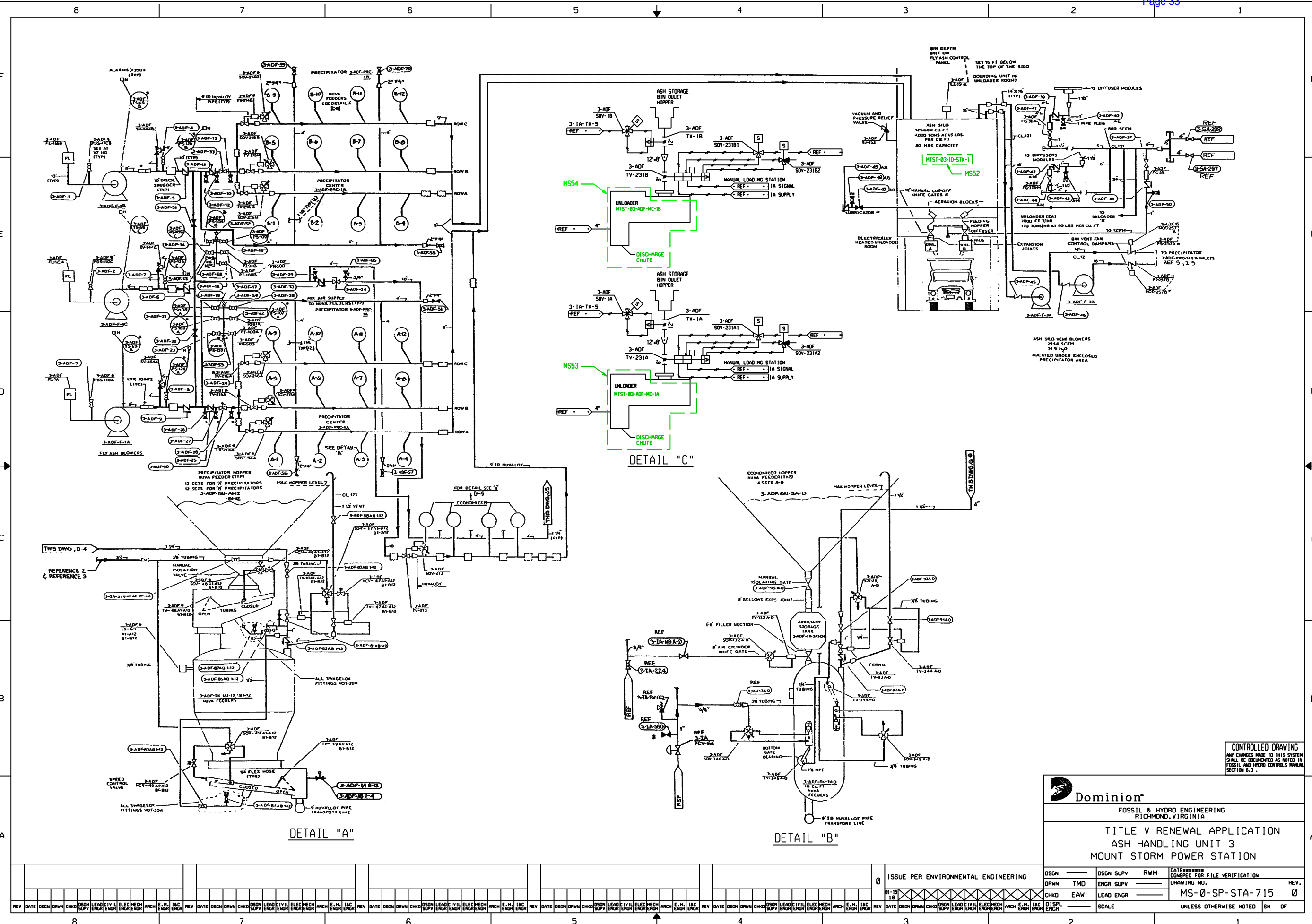


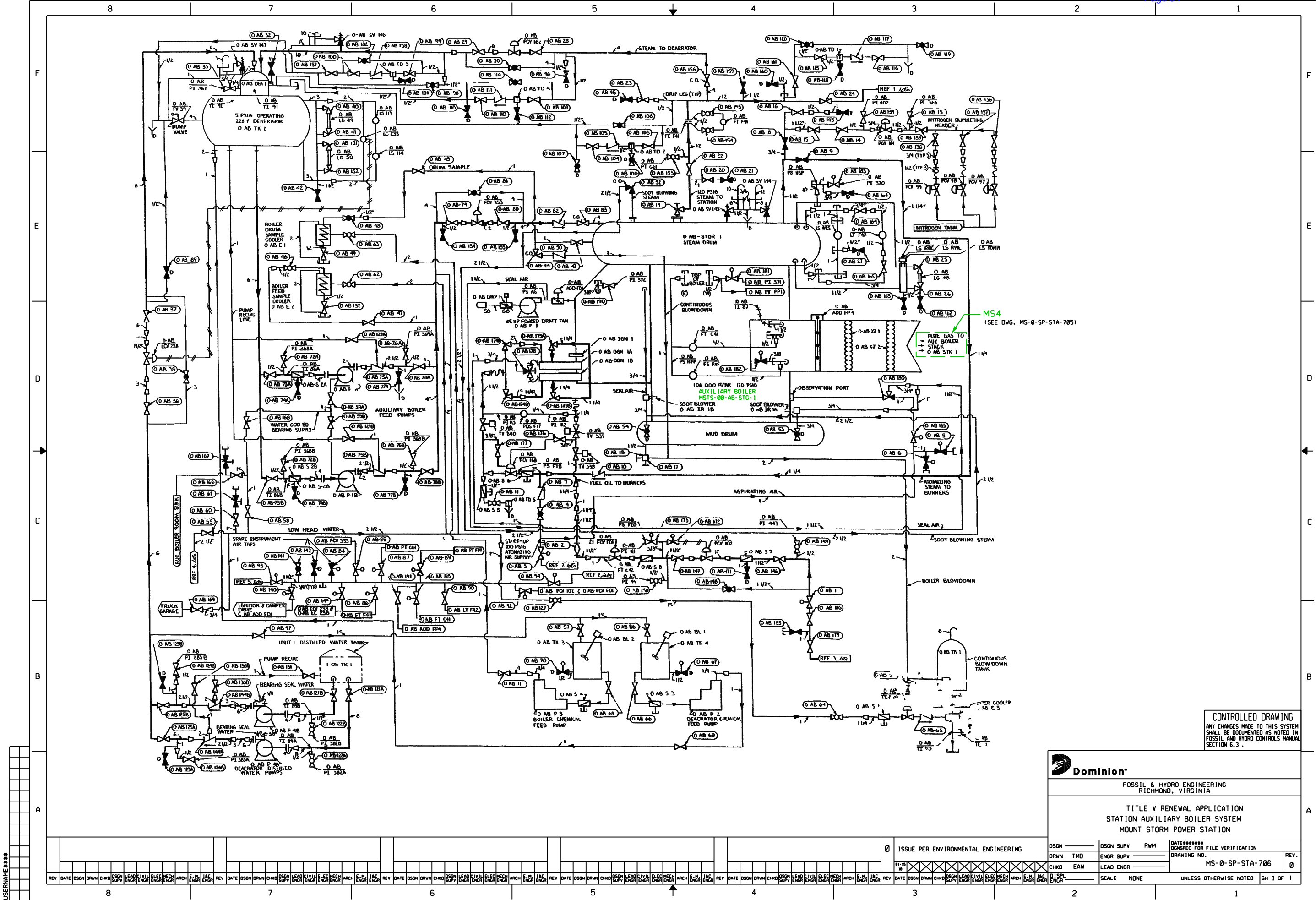


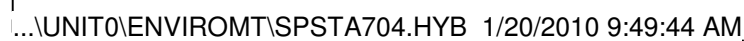


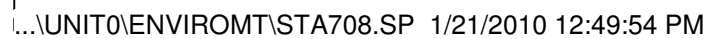


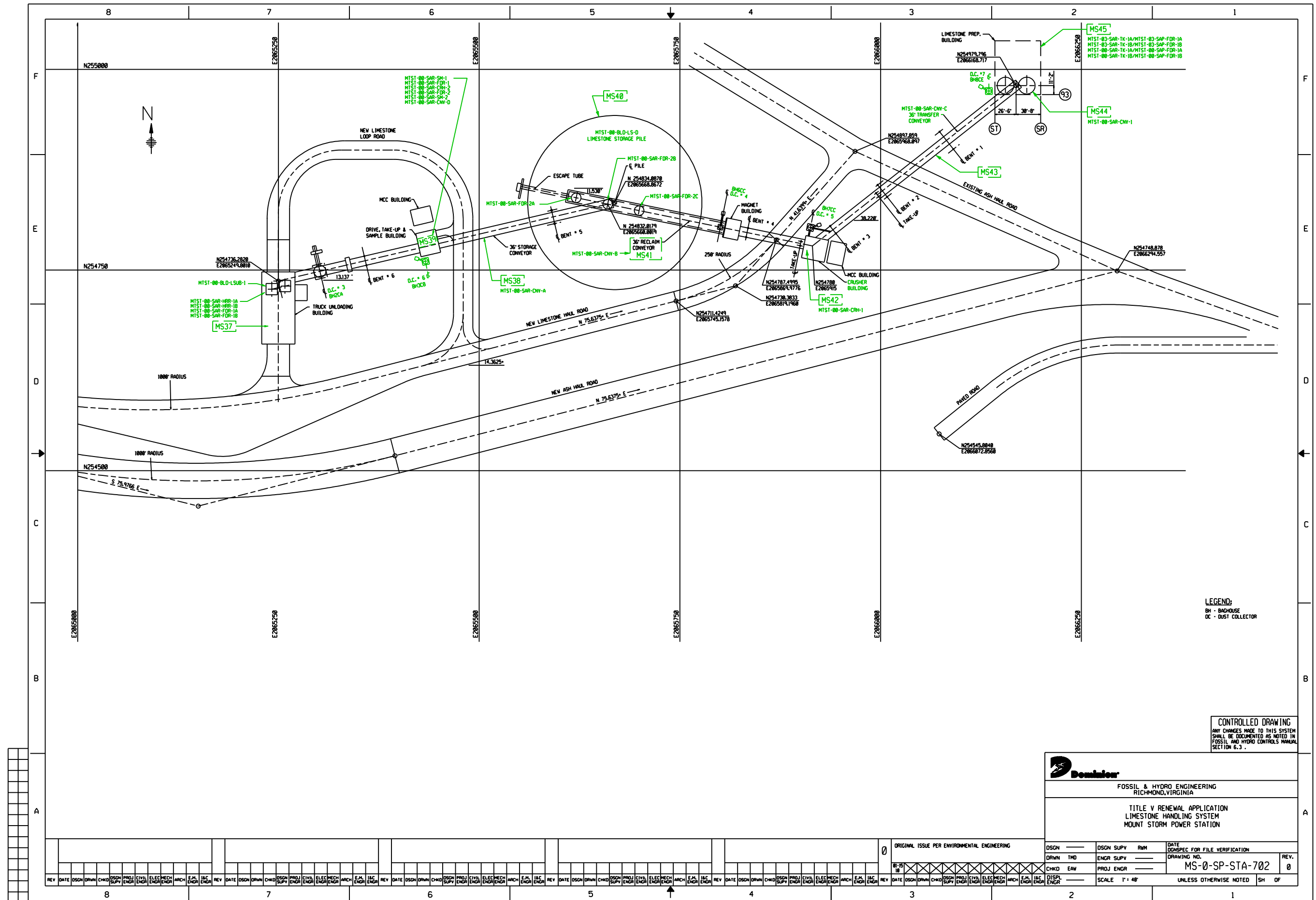


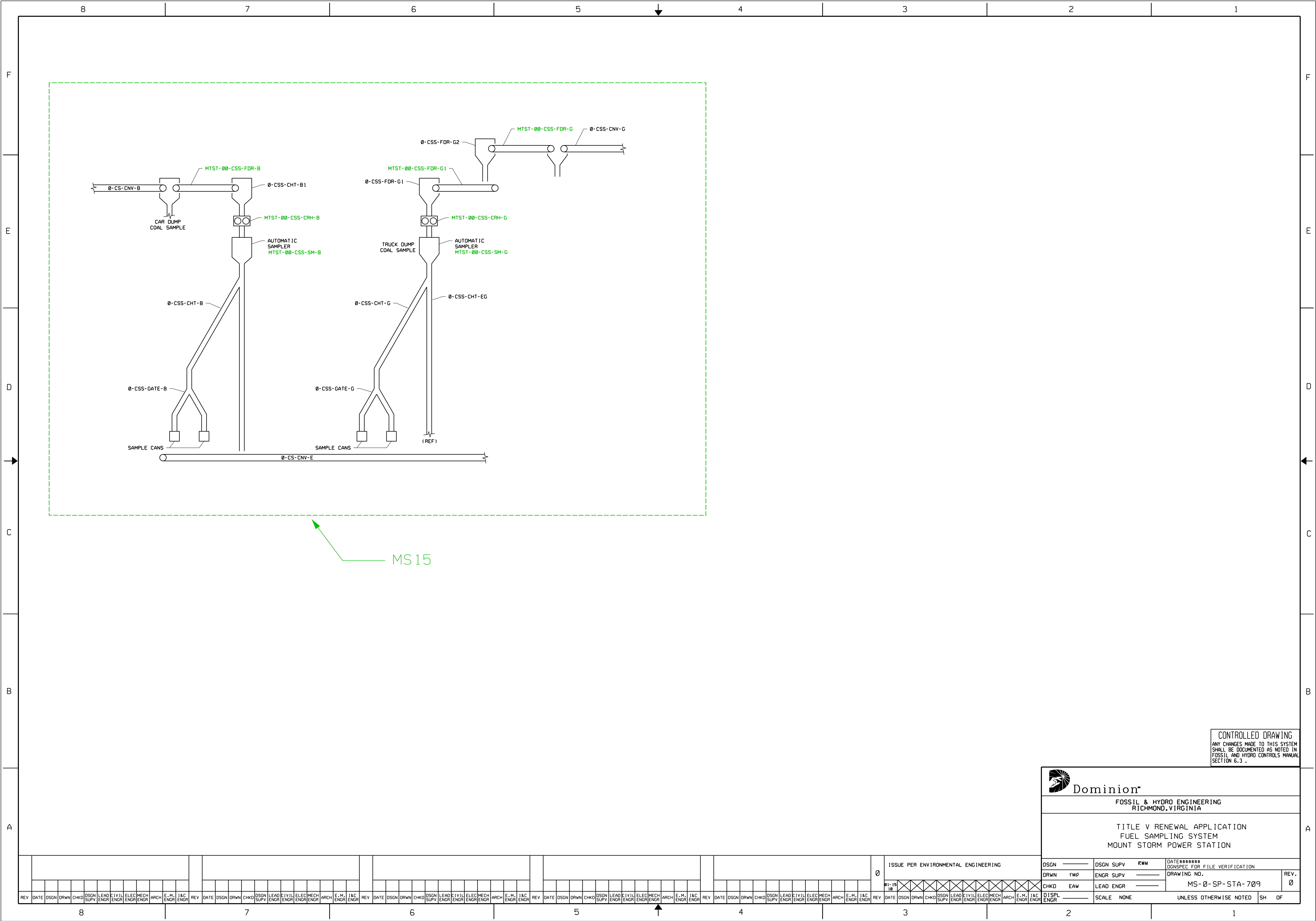












CONTROLLED DRAWING
ANY CHANGES MADE TO THIS SYSTEM
SHALL BE DOCUMENTED AS NOTED IN
FOSSIL AND HYDRO CONTROLS MANUAL
SECTION 6.3 .



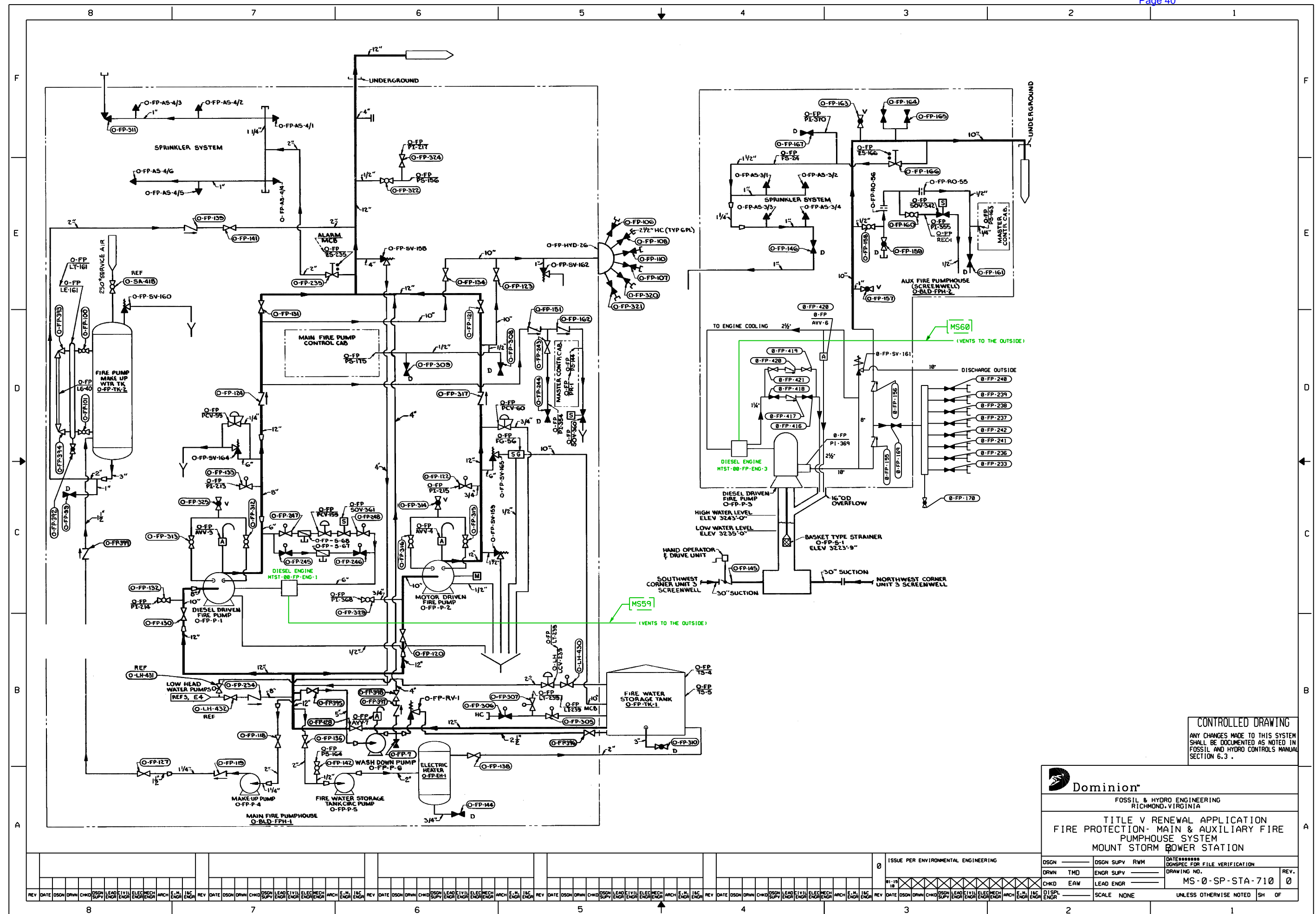
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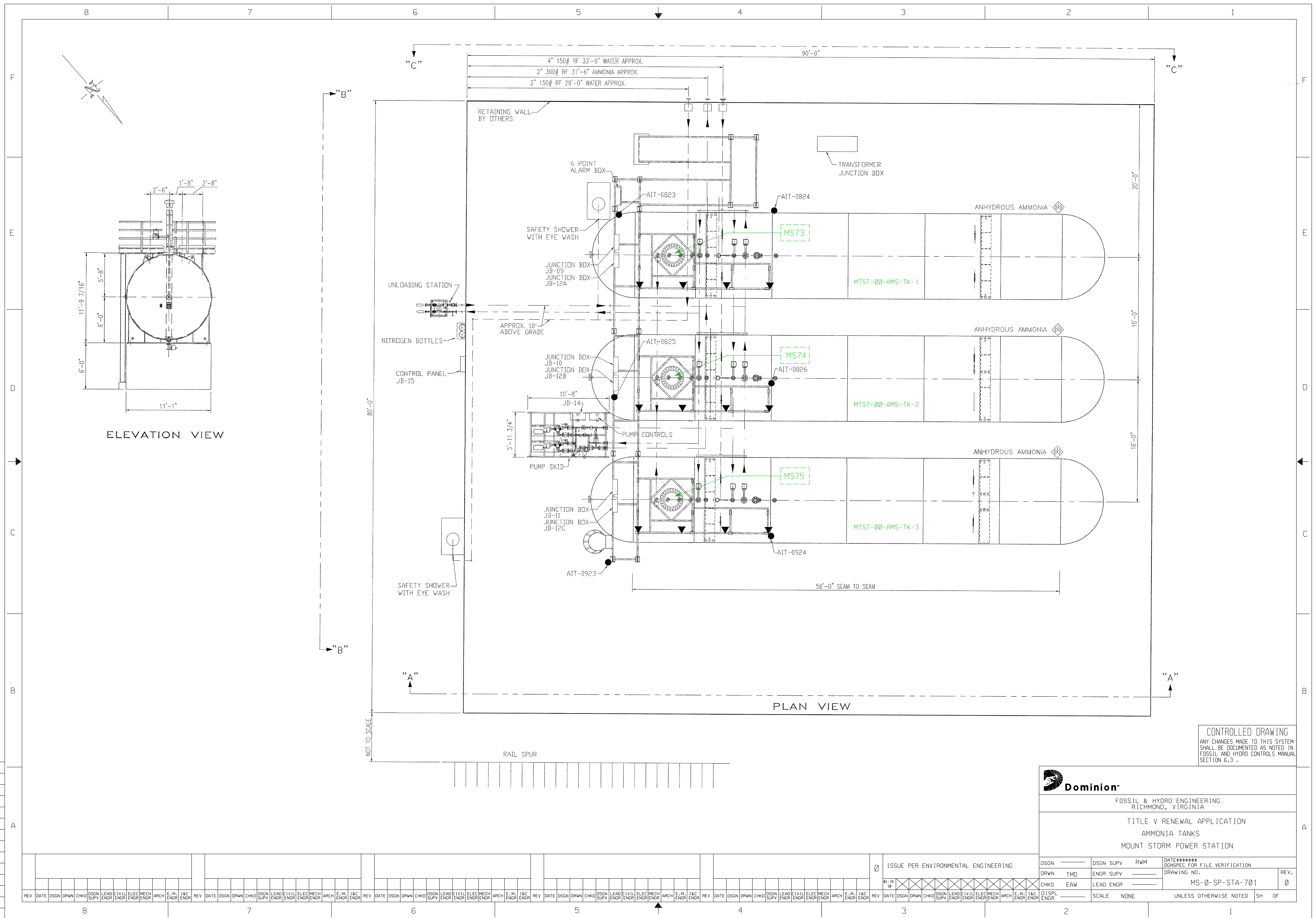
FOSSIL & HYDRO ENGINEERING
RICHMOND, VIRGINIA

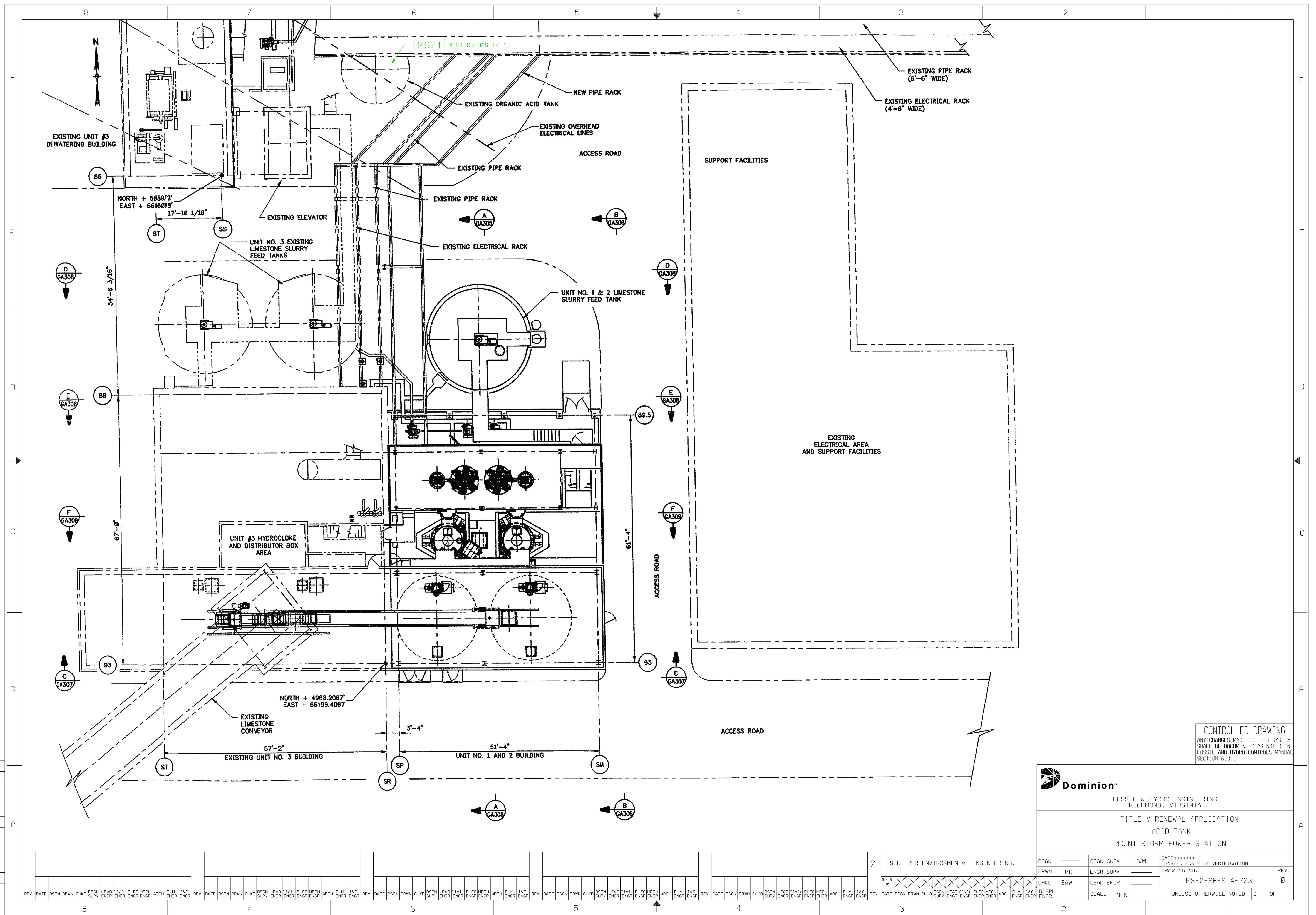
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FUEL SAMPLING SYSTEM
MOUNT STORM POWER STATION

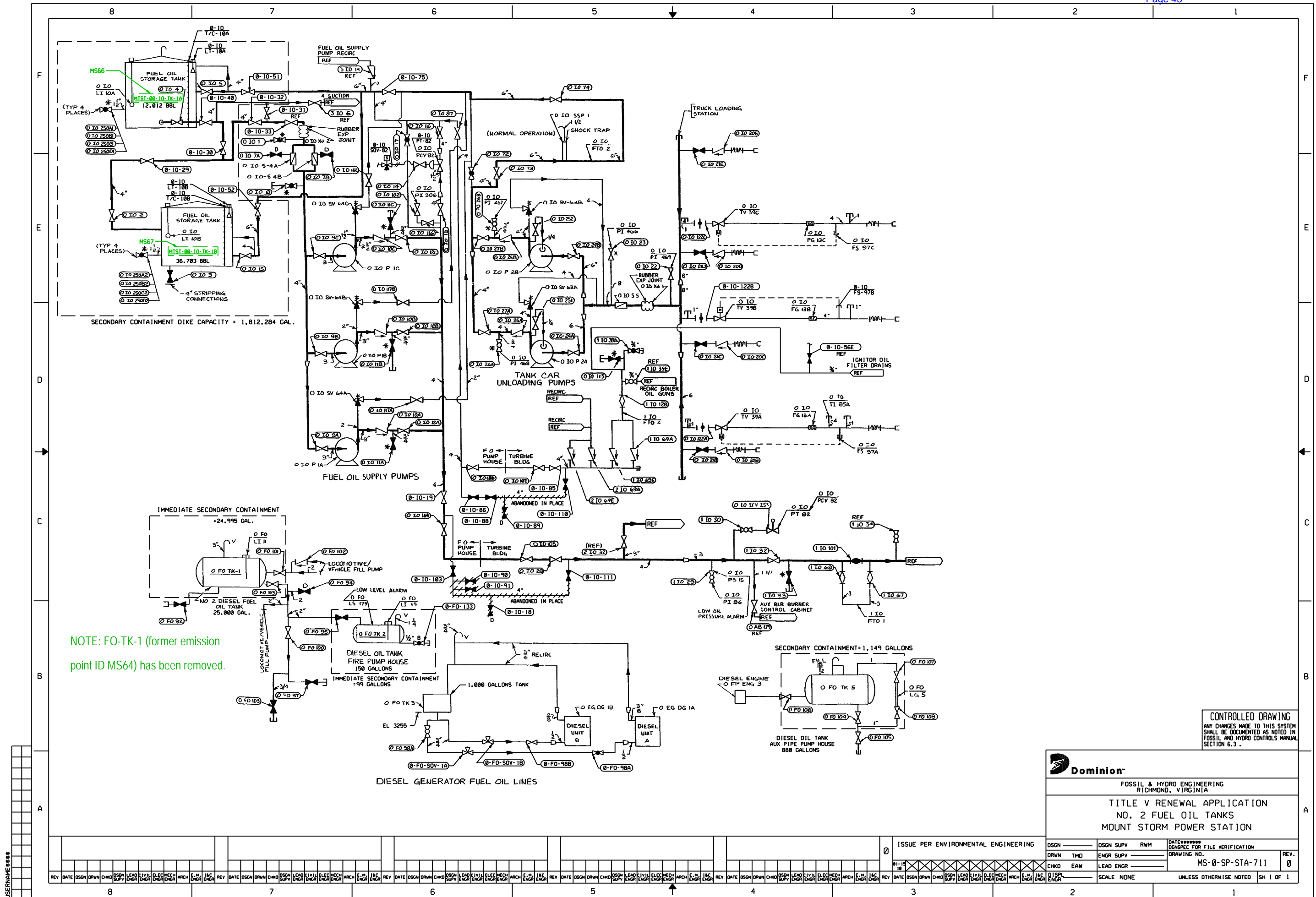
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01-15	10																		
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DRWN	YMO	ENGR	SUPV	ENGR	SUPV	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	
CHKD	EAW	LEAD	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	ENGR	0
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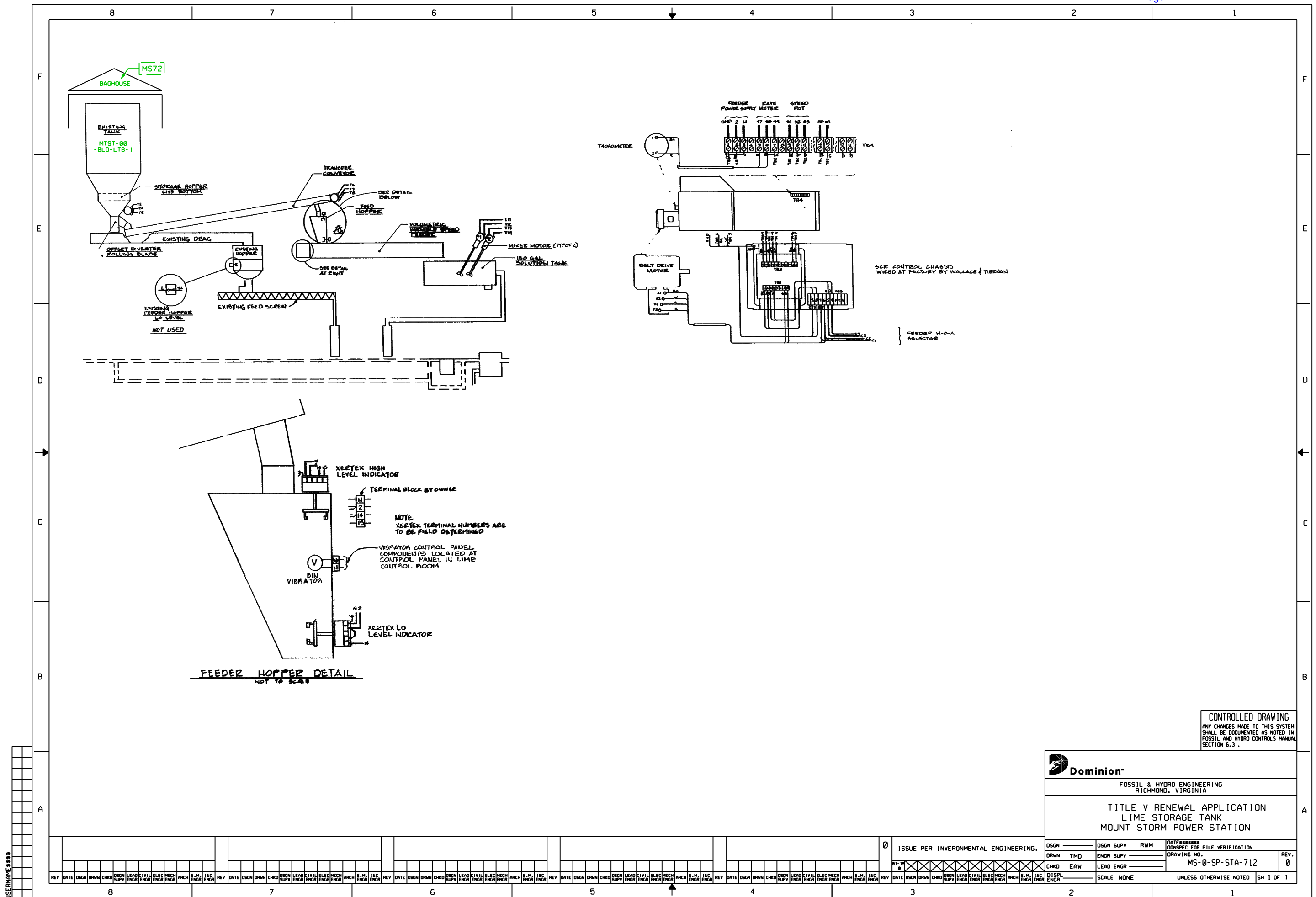


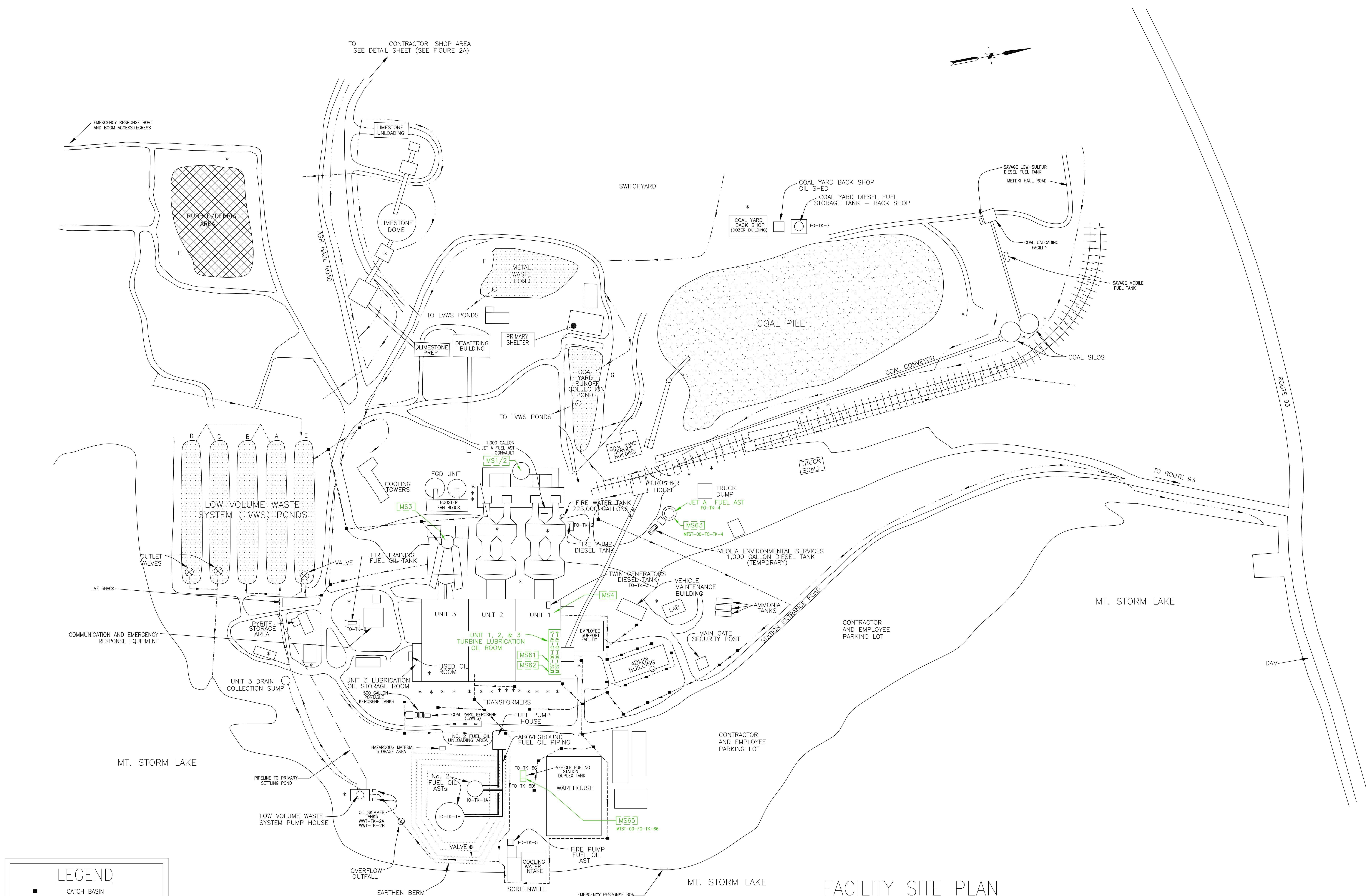












LEGEND

■

CATCH BASIN

*

APPROXIMATE LOCATION OF OIL FILLED TRANSFORMER

++++

RAILROAD

—

ABOVEGROUND FUEL OIL PIPING

- - -

STORM WATER DRAINAGE PIPE

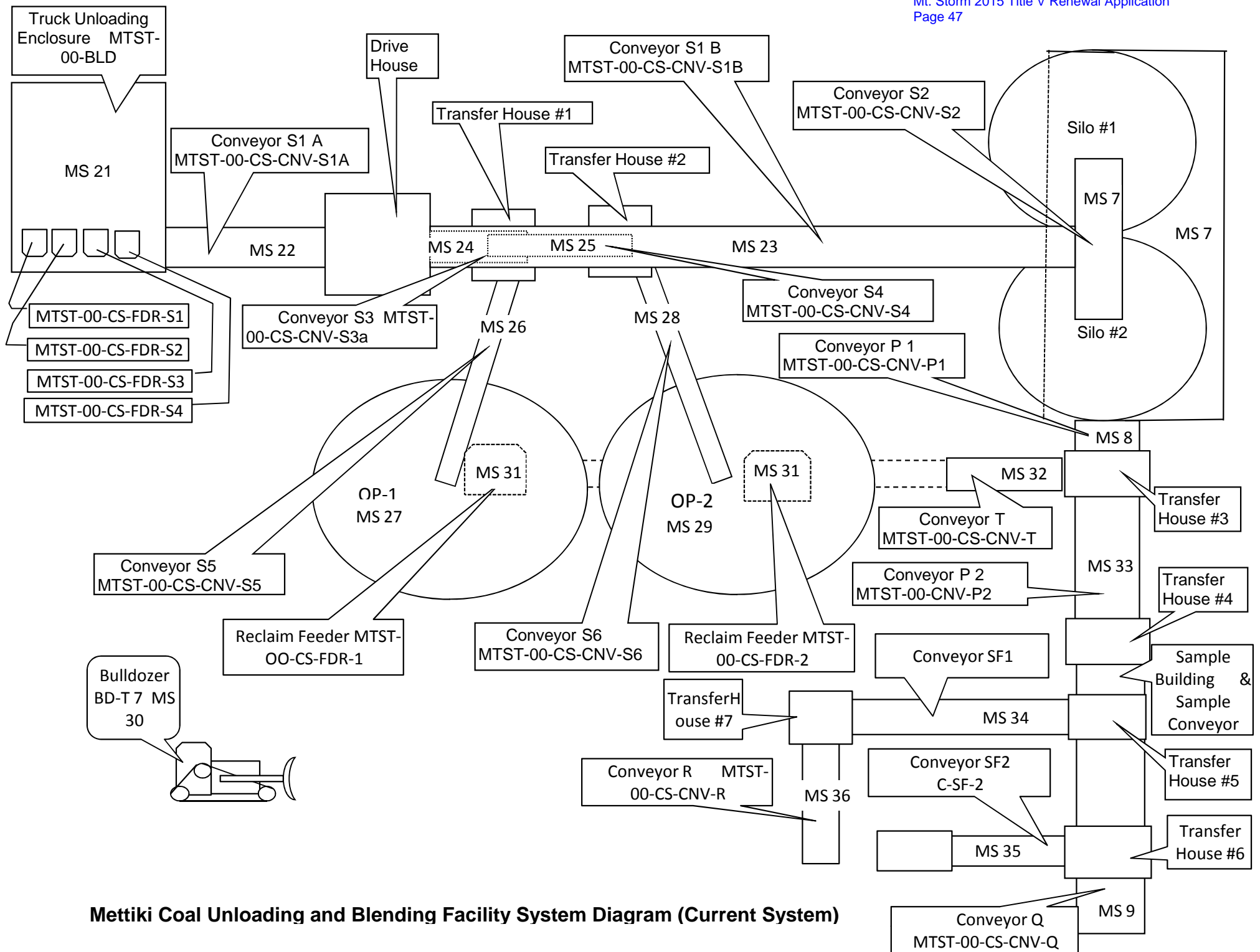
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STORM WATER DRAINAGE DITCH

FACILITY SITE PLAN
APPROXIMATELY 1"=175'

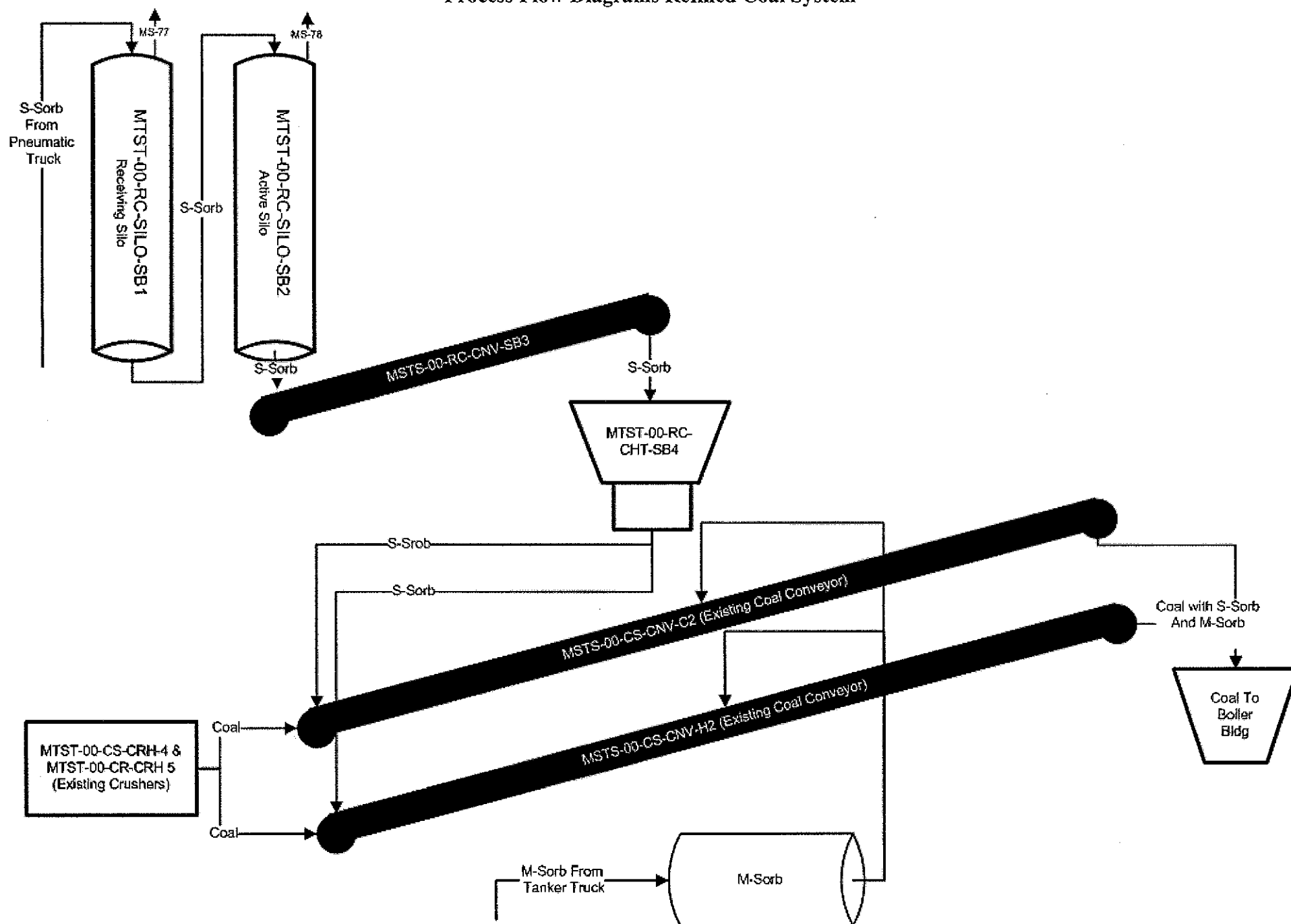
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ANY CHANGES MADE TO THIS SYSTEM
SHALL BE DOCUMENTED AS NOTED IN
FOSSIL AND HYDRO CONTROLS MANUAL
SECTION 6.3.

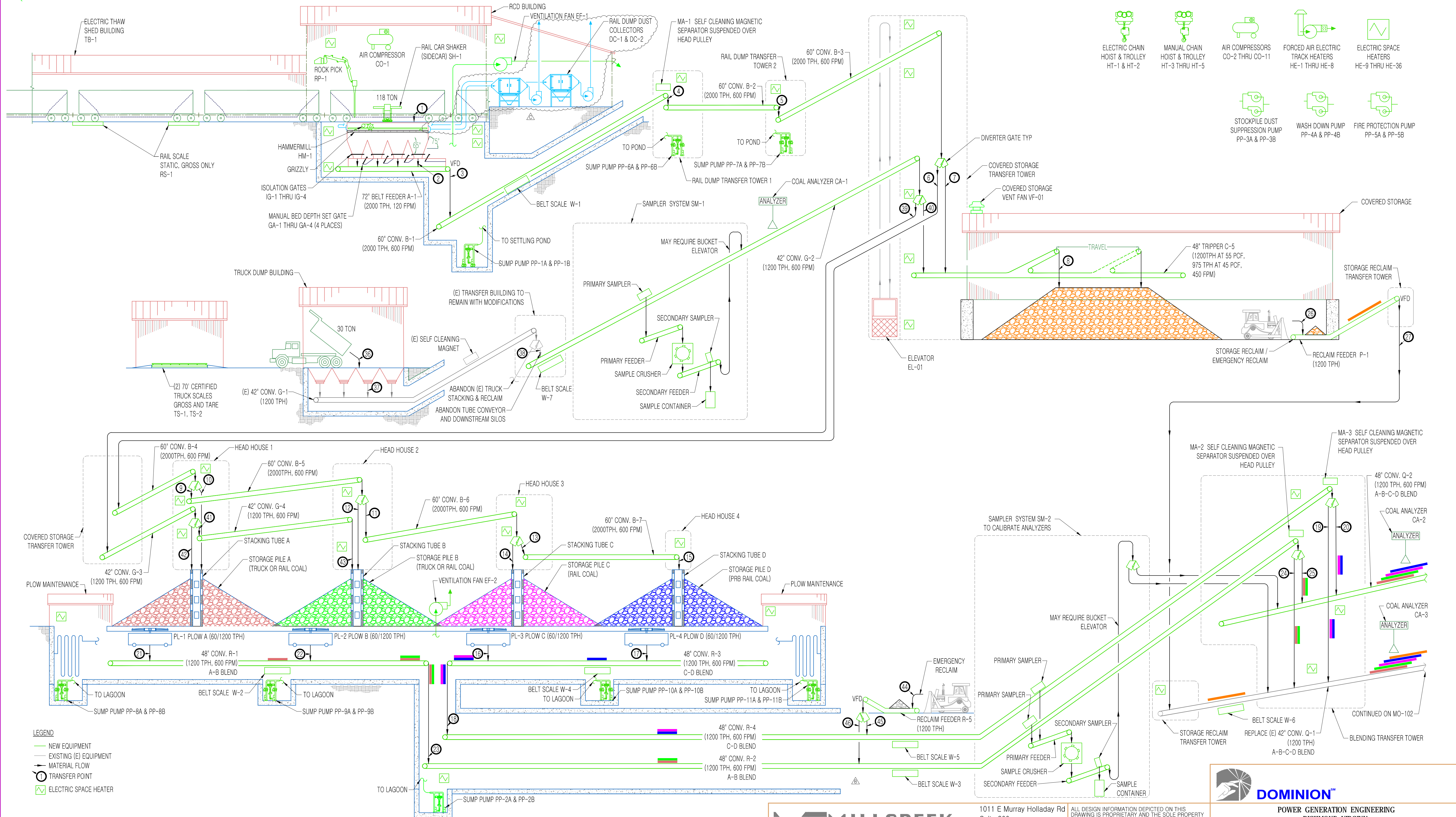
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98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100										REV. 0			



Mettiki Coal Unloading and Blending Facility System Diagram (Current System)

Process Flow Diagrams Refined Coal System





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Phone: (801) 904-2260
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POWER GENERATION ENGINEERING
RICHMOND, VIRGINIA

PROCESS FLOW DIAGRAM – COAL YARD

COAL YARD UNLOADING AND BLENDING
MT. STORM POWER STATION, WEST VIRGINIA

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													C													
														1-8 2015		JRH	SJA									
REV	DATE	DSGN	DRWN	CHKD	DSGN SUPV	PROJ ENGR	CIVIL ENGR	ELEC ENGR	MECH ENGR	ARCH	E.M. ENGR	I&C ENGR	REV	DATE	DSGN	DRWN	CHKD	DSGN SUPV	PROJ ENGR	CIVIL ENGR	ELEC ENGR	MECH ENGR	ARCH	E.M. ENGR	I&C ENGR	

ADDED DIVERTER TO EMERGENCY RECLAIM. MOVED BELT SCALES DOWNSTREAM OF EMERGENCY RECLAIM.													
3													
12-18 2014			SJA	JRH									
REV	DATE	DSGN	DRWN	CHKD	DSGN SUPV	PROJ ENGR	CIVIL ENGR	ELEC ENGR	MECH ENGR	ARCH	E.M. ENGR	I/C ENGR	

PRELIMINARY												
A												
	10-10 2014		SJA	-								
REV	DATE	DSGN	DRWN	CHKD	DSGN SUPV	PROJ ENGR	CIVIL ENGR	ELEC ENGR	MECH ENGR	ARCH	E.M. ENGR	I&C ENGR

ATTACHMENT D
EMISSION UNIT TABLES

ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms)					
Emission Point ID ¹	Control Device ¹	Emission Unit ID ¹	Emission Unit Description	Design Capacity	Year Installed/Modified
Boilers & Associated Equipment					
MTST-01-BLR-STG-1	ESP, FGDS, LNB, SCR	MS1/2	Unit 1 Boiler – (Combustion Engineering Model No. CCRDP 60)	6,199 mmBtu/hr	1965/2009
MTST-02-BLR-STG-1	ESP, FGDS, LNB, SCR	MS1/2	Unit 2 Boiler – (Combustion Engineering Model No. CCRDP 60)	6,199 mmBtu/hr	1966/2009
MTST-03-BLR-STG-1	ESP, FGDS, LNB, SCR	MS3	Unit 3 Boiler – (Combustion Engineering Model No. CCRD 66)	5,824 mmBtu/hr	1973
MTST-00-AB-STG-1	N	MS4	Auxiliary Boiler – (Babcock & Wilcox Serial No. FM2943)	150 mmBtu/hr	1984
Emergency Generators					
MTST-C1-CTG-T-1	N	MS5	Combustion Turbine – (Pratt & Whitney Aircraft Division Model FT-4)	215.3 mmBtu/hr 16,080 bhp summer/21,440 bhp winter	1967
MTST-00-EG-DG-1A	N	MS6	Emergency Diesel Generator 1A	4.38 mmBtu/hr; 536 bhp	1963
MTST-00-EG-DG-1B	N	MS6	Emergency Diesel Generator 1B	4.38 mmBtu/hr; 536 bhp	1963
Communication Tower	N	MS79	Propane-fuel emergency generator at Communication Tower	41 hp	2000
SW-EG-1	N	MS80	Propane-fuel emergency generator (Generac Power System MG150)	224 hp	2014
SW-EG-2	N	MS81	Propane-fuel emergency generator (Generac Power System MG150)	224 hp	2014
SW-EG-3	N	MS82	Propane-fuel emergency generator (Generac Power System MG150)	224 hp	2014
SW-EG-4	N	MS83	Propane-fuel emergency generator (Kohler 150REZGC)	227 hp	2014
SW-EG-5	N	MS84	Propane-fuel emergency generator (Kohler 150REZGC)	227 hp	2014
Fuel Handling Equipment					
MTST-00-CS-CYS-1	FE	MS7	Coal Silo # 1 (Transfer Point DP7 to feeders)	10,000 Tons	1972
MTST-00-CS-CYS-2	FE	MS7	Coal Silo # 2 (Transfer Point DP7 to feeders)	10,000 Tons	1972
MTST-00-CS-FDR-VB1	FE	MS7	Feeder From Silo #1 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	400 TPH	1996
MTST-00-CS-FDR-N1	FE	MS7	Feeder From Silo #1 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	400 TPH	1996
MTST-00-CS-FDR-N2	FE	MS7	Feeder From Silo #1 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	400 TPH	1996
MTST-00-CS-FDR-VB2	FE	MS7	Feeder From Silo #1 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	400 TPH	1996
MTST-00-CS-FDR-N3	FE	MS7	Feeder From Silo #1 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	400 TPH	1996
MTST-00-CS-FDR-N4	FE	MS7	Feeder From Silo #1 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	400 TPH	1996

Title V Equipment Table (equipment_table.doc)

Page 1 of 9

Revised 4/11/05

ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms)					
Emission Point ID ¹	Control Device ¹	Emission Unit ID ¹	Emission Unit Description	Design Capacity	Year Installed/Modified
MTST-00-CS-FDR-VB3	FE	MS7	Feeder From Silo #1 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	400 TPH	1996
MTST-00-CS-FDR-VB4	FE	MS7	Feeder From Silo #2 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	400 TPH	1996
MTST-00-CS-FDR-N5	FE	MS7	Feeder From Silo #2 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	400 TPH	1996
MTST-00-CS-FDR-N6	FE	MS7	Feeder From Silo #2 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	400 TPH	1996
MTST-00-CS-FDR-VB5	FE	MS7	Feeder From Silo #2 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	400 TPH	1996
MTST-00-CS-FDR-N7	FE	MS7	Feeder From Silo #2 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	400 TPH	1996
MTST-00-CS-FDR-N8	FE	MS7	Feeder From Silo #2 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	400 TPH	1996
MTST-00-CS-FDR-VB6	FE	MS7	Feeder From Silo #2 to Conveyor MTST-00-CS-CNV-P1 (Transfer Point DP8)	400 TPH	1996
MTST-00-CS-CNV-S2	FE	MS7	Coal Conveyor MTST-00-CS-CNV-S2 To Silos MTST-00-CS-CYS-1 and 2 (Transfer Point DP6)	1,200 TPH	1996
MTST-00-CS-CNV-P1	FE	MS8	Coal Conveyor from Silo Feeders to Transfer House MTST-00-BLD-CYTH-1	1,600 TPH	1972
MTST-00-CS-CNV-Q	FE	MS9	Coal Conveyor from Transfer House to Primary Crushers MTST-00-CS-CRH-4 or MTST-00-CS-CRH-5 or By Pass Chutes MTST-00-CS-CHT-C2BP and H2BP	1,200 TPH	1972
MTST-00-CS-CRH-4	FE	MS10	Primary Crusher #4 to Conveyor MTST-00-CS-CNV-C2	1,200 TPH	1985
MTST-00-CS-CRH-5	FE	MS10	Primary Crusher #5 to Conveyor MTST-00-CS-CNV-H2	1,200 TPH	1985
MTST-00-CS-CHT-C2BP	FE	MS10	#4 Crusher By Pass Chute to MTST-00-CS-CNV-C2	800 TPH	1972
MTST-00-CS-CHT-H2BP	FE	MS10	#5 Crusher By Pass Chute to MTST-00-CS-CNV-H2	800 TPH	1972
MTST-00-CS-CNV-C1	UG /FE	MS10	Reclaim Conveyor to Primary Crusher # 4	1,200 TPH	1985
MTST-00-CS-CNV-H1	UG / FE	MS10	Reclaim Conveyor to Primary Crusher # 5	1,200 TPH	1985
MTST-00-CS-CNV-C2	FE	MS11	Coal Conveyor from Primary Crusher #4 to Conveyor MTST-00-CS-CNV-D	1,200 TPH	1985
MTST-00-CS-CNV-H2	FE	MS11	Coal Conveyor from Primary Crusher #5 to Conveyor MTST-00-CS-CNV-J	1,200 TPH	1985
MTST-00-CS-FDR-D	FE	MS12	Tripper Reject Feeder to Conveyor MTST-00-CS-CNV-D	1,200 TPH	1985
MTST-00-CS-CNV-D	FE	MS12	Coal Conveyor to Units 1, 2, and 3 Bunkers	1,200 TPH	1985
MTST-00-CS-FDR-J	FE	MS12	Tripper Reject Feeder to Conveyor MTST-00-CS-CNV-J	1,200 TPH	1985

ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms)					
Emission Point ID ¹	Control Device ¹	Emission Unit ID ¹	Emission Unit Description	Design Capacity	Year Installed/Modified
MTST-00-CS-CNV-J	FE	MS12	Coal Conveyor to Units 1, 2, and 3 Bunkers	1,200 TPH	1985
MTST-00-CS-UNL-1	PE / WS	MS13	Rail Car Dump	1,400 TPH	1964
MTST-00-CS-FDR-A1	UG	MS13	Feeder From Rail Car Dump to Conveyor MTST-00-CS-CNV-B	700 TPH	1964
MTST-00-CS-FDR-A2	UG	MS13	Feeder From Rail Car Dump to Conveyor MTST-00-CS-CNV-B	700 TPH	1964
MTST-00-CS-CNV-B	UG / FE	MS14	Coal Conveyor to Crusher MTST-00-CS-CRH-2 or Conveyor MTST-00-CS-CNV-E and Sample System MTST-00-CSS-SM-B	1,400 TPH	1972
MTST-00-CS-FDR-M2	FE	MS15	Feeder From Crusher #2 to Conveyor MTST-00-CS-CNV-C2	700 TPH	1985
MTST-00-CSS-FDR-B	FE	MS15	Sample Feeder to Sample Crusher MTST-00-CSS-CRH-B	<500,000 lbs/hr	1985
MTST-00-CSS-CRH-B	FE	MS15	Coal Sample Crusher to Sampler MTST-00-CSS-SM-B	<500,000 lbs/hr	1985
MTST-00-CSS-SM-B	FE	MS15	Automatic Sampler to Sample Cans or Conveyor MTST-00-CS-CNV-E	<500,000 lbs/hr	1985
MTST-00-CS-CNV-G	UG / FE	MS15	Conveyor to Crusher MTST-00-CS-CRH-3 and Feeder MTST-00-CSS-FDR-G	700 TPH	1985
MTST-00-CS-FDR-M3	FE	MS15	Feeder From Crusher #3 to Conveyors MTST-00-CS-CNV-E or MTST-00-CS-CNV-H2	700 TPH	1964
MTST-00-CSS-FDR-G	FE	MS15	Sample Feeder from MTST-00-CS-FDR-M3 to Sample Feeder MTST-00-CSS-FDR-G1	<500,000 lbs/hr	1985
MTST-00-CSS-FDR-G1	FE	MS15	Sample Feeder from MTST-00-CS-FDR-G to Sample Feeder MTST-00-CSS-FDR-G1	<500,000 lbs/hr	1985
MTST-00-CSS-FDR-G1	FE	MS15	Sample Feeder to Sample Crusher MTST-00-CSS-CRH-G	<500,000 lbs/hr	1985
MTST-00-CSS-CRH-G	FE	MS15	Sample Crusher to Automatic Sampler MTST-00-CSS-SM-G	<500,000 lbs/hr	1985
MTST-00-CSS-SM-G	FE	MS15	Automatic Sampler to Sample Cans or Conveyor MTST-00-CS-CNV-E	<500,000 lbs/hr	1985
MTST-00-CS-CNV-E	UG / FE	MS16	Coal Conveyor to Stock Out Conveyor MTST-00-CS-CNV-F	2,100 TPH	1964
MTST-00-CS-CNV-F	PE / WS	MS17	Stock Out Conveyor to Coal Storage Pile	2,100 TPH	1964
MTST-00-BLD-CSD-2	N	MS18	Coal Truck Dump	700 TPH	1964
MTST-00-CS-FDR-VBG1	UG	MS18	Feeder From Truck Dump Hoppers to Conveyor MTST-00-CS-CNV-G	175 TPH	1985
MTST-00-CS-FDR-VBG2	UG	MS18	Feeder From Truck Dump Hoppers to Conveyor MTST-00-CS-CNV-G	175 TPH	1985
MTST-00-CS-FDR-VBG3	UG	MS18	Feeder From Truck Dump Hoppers to Conveyor MTST-00-CS-CNV-G	175 TPH	1985
MTST-00-CS-FDR-VBG4	UG	MS18	Feeder From Truck Dump Hoppers to Conveyor MTST-00-CS-CNV-G	175 TPH	1985

ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms)					
Emission Point ID ¹	Control Device ¹	Emission Unit ID ¹	Emission Unit Description	Design Capacity	Year Installed/Modified
MTST-00-CS-FDR-VBC1	UG	MS19	Reclaim Feeder From Coal Pile to Conveyor MTST-00-CS-CNV-C1	400 TPH	1985
MTST-00-CS-FDR-VBC2	UG	MS19	Reclaim Feeder From Coal Pile to Conveyor MTST-00-CS-CNV-C1	400 TPH	1985
MTST-00-CS-FDR-VBC3	UG	MS19	Reclaim Feeder From Coal Pile to Conveyor MTST-00-CS-CNV-C1	400 TPH	1985
MTST-00-CS-FDR-VBC4	UG	MS19	Reclaim Feeder From Coal Pile to Conveyor MTST-00-CS-CNV-C1	400 TPH	1985
MTST-00-CS-FDR-VBH1	UG	MS20	Reclaim Feeder From Coal Pile to Conveyor MTST-00-CS-CNV-H1	400 TPH	1985
MTST-00-CS-FDR-VBH2	UG	MS20	Reclaim Feeder From Coal Pile to Conveyor MTST-00-CS-CNV-H1	400 TPH	1985
MTST-00-CS-FDR-VBH3	UG	MS20	Reclaim Feeder From Coal Pile to Conveyor MTST-00-CS-CNV-H1	400 TPH	1985
MTST-00-BLD-	WB	MS21	Metiki Coal Truck Dump Enclosure (Transfer Point DP1)	3,000,000 tpy (1,200 TPH)	1996
MTST-00-CS-FDR-S1	UG / FE	MS21	Feeder From Truck to Conveyor MTST-00-CS-CNV-S1a (Transfer Point DP2)	300 TPH	1996
MTST-00-CS-FDR-S2	UG / FE	MS21	Feeder From Truck to Conveyor MTST-00-CS-CNV-S1a (Transfer Point DP2)	300 TPH	1996
MTST-00-CS-FDR-S3	UG / FE	MS21	Feeder From Truck to Conveyor MTST-00-CS-CNV-S1a (Transfer Point DP2)	300 TPH	1996
MTST-00-CS-FDR-S4	UG / FE	MS21	Feeder From Truck to Conveyor MTST-00-CS-CNV-S1a (Transfer Point DP2)	300 TPH	1996
MTST-00-CS-CNV-S1a	UG / FE	MS22	Conveyor S1a to S1b (Transfer Point T1)	1,200 TPH	1996
MTST-00-CS-CNV-S1a	UG / FE	MS22 (T1)	Existing Truck Dump to existing Silo Feed (S-1a) to existing Conveyor S1-b or New Transfer Conveyor S-3a	1,200 TPH	1996
MTST-00-CS-CNV-S1b	FE	MS23	Conveyor S1b to Conveyor S2 (Transfer Point DP5)	1,200 TPH	1996
MTST-00-CS-CNV-S3a	PE	MS24 (T2)	Transfer Conveyor S-3a to Radial Stacker S-5 or Transfer Conveyor S-4	1,200 TPH	2006
MTST-00-CS-CNV-S4	PE	MS25 (T3)	Transfer Conveyor S-4 to Radial Stacker S-6	1,200 TPH	2006
MTST-00-CS-CNV-S5	PE	MS26 (T4)	Radial Stacker S-5 to Open Pile (OP-1)	1,200 TPH	2006
OP-1	N	MS27	Fuel Storage Pile 1 from Radial Stacker S-5	2,500,000 tpy (total for OP-1 and OP-2)	2006
MTST-00-CS-CNV-S6	PE	MS28	Radial Stacker S-6 to Open Pile (OP-2)	1,200 TPH	2006
OP-2	N	MS29	Fuel Storage Pile 2 from Radial Stacker S-6	2,500,000 tpy (total for OP-1 and OP-2)	2006
BD-T7	UG	MS30 (T7)	Bulldozer to Reclaim Feeders	1,200 TPH	2006
MTST-00-CS-FDR-1	UG	MS31 (T8)	Reclaim Feeder to Reclaim Coal Conveyor T	1,000 TPH	2006

ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms)					
Emission Point ID ¹	Control Device ¹	Emission Unit ID ¹	Emission Unit Description	Design Capacity	Year Installed/Modified
MTST-00-CS-FDR-2	UG	MS31 (T8)	Reclaim Feeder to Reclaim Coal Conveyor T	1,000 TPH	2006
MTST-00-CS-CNV-T	UG/PE	MS32 (T9)	Reclaim Conveyor T to Existing P-1 Conveyor	1,200 TPH	2006
MTST-00-CS-CNV-P2	FE	MS33 (T10)	New Transfer on P-1 Conveyor to P-2 Conveyor	1,600 TPH	2006
C-SF-1	FE	MS34 (T11)	Conveyor SF-1	1,600 TPH	2005
C-SF-2	PE	MS35 (T12)	Conveyor SF-2	1,000 TPH	2005
MTST-00-CS-CNV-R	PE	MS36 (T13)	Conveyor MTST-00-CS-CNV-R	1,600 TPH	2005
MTST-00-RC-SILO-SB1	FF	MS77	S-Sorb Receiving Silo	190 ton	2011
MTST-00-RC-SILO-SB2	FF	MS78	S-Sorb Active Silo	150 ton	2011
MTST-00-RC-CNV-SB3	FE	Fugitive	S-Sorb Transfer Conveyor	24 TPH	2011
MTST-00-RC-CHT-SB4	FE	Fugitive	S-Sorb Transfer Chute	24 TPH	2011
Limestone Handling Equipment					
MTST-00-BLD-LSUB-1	PE / DC#3 (BH2ca)	MS37	Limestone Truck Unloading Enclosure to Limestone Hoppers MTST-00-SAR-HPR-1A & 1B (2sa)	N/A	1994
MTST-00-SAR-HPR-1A	FE / DC#3 (BH2ca)	MS37	Limestone Hopper to Feeder MTST-FDR-1A	300 Tons	1994
MTST-00-SAR-HPR-1B	FE / DC#3 (BH2ca)	MS37	Limestone Hopper to Feeder MTST-FDR-1B	300 Tons	1994
MTST-00-SAR-FDR-1A	FE / DC#3 (BH2ca)	MS37	Limestone Unloading Feeder to Conveyor MTST-00-SAR-CNV-A	600 TPH	1994
MTST-00-SAR-FDR-1B	FE / DC#3 (BH2ca)	MS37	Limestone Unloading Feeder to Conveyor MTST-00-SAR-CNV-A	600 TPH	1994
MTST-00-SAR-CNV-A	FE / DC#6 (BH3cb)	MS38	Limestone Conveyor (4sa) from Unloading Feeders to Storage Dome and Sample System	600 TPH	1994
MTST-00-SAR-SM-1	FE / DC#6 (BH3cb)	MS39	Limestone Sampler to Feeder MST-00-SAR-FDR-1	7 TPH	1994
MTST-00-SAR-FDR-1	FE / DC#6 (BH3cb)	MS39	Limestone Sample System Primary Feeder to Sample Crusher MTST-00-SAR-CRH-2	7 TPH	1994
MTST-00-SAR-CRH-2	FE / DC#6 (BH3cb)	MS39	Limestone Sample Crusher (3sg)	7 TPH	1994
MTST-00-SAR-FDR-2	FE / DC#6 (BH3cb)	MS39	Limestone Sample System Secondary Feeder to Secondary Sampler 00-SAR-SM-2 and Conveyor MTST-00-SAR-CNV-D	7 TPH	1994
MTST-00-SAR-SM-2	FE / DC#6 (BH3cb)	MS39	Secondary Sampler to Sample Collector MTST-00-SAR-COL-1	7 TPH	1994
MTST-00-SAR-CNV-D	FE / DC#6 (BH3cb)	MS39	Bucket Conveyor (3se) Back to Conveyor MTST-00-SAR-CNV-A	7 TPH	1994
MTST-00-BLD-LS-D	FE	MS40	Limestone Storage Dome (5sa)	10,000 Tons	1997
MTST-00-SAR-FDR-2A	UG / DC#4 (BH6cc)	MS40	Limestone Reclaim Feeder to Conveyor MTST-00-SAR-CNV-B	400 TPH	1994

Title V Equipment Table (equipment_table.doc)

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Revised 4/11/05

ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms)					
Emission Point ID ¹	Control Device ¹	Emission Unit ID ¹	Emission Unit Description	Design Capacity	Year Installed/Modified
MTST-00-SAR-FDR-2B	UG / DC#4 (BH6cc)	MS40	Limestone Reclaim Feeder to Conveyor MTST-00-SAR-CNV-B	400 TPH	1994
MTST-00-SAR-FDR-2C	UG / DC#4 (BH6cc)	MS40	Limestone Reclaim Feeder to Conveyor MTST-00-SAR-CNV-B	400 TPH	1994
MTST-00-SAR-CNV-B	FE / DC#4 (BH6cc)	MS41	Limestone Conveyor (6sd) from Reclaim Feeders to Limestone Crusher MTST-00-SAR-CRH-1	400 TPH	1994
MTST-00-SAR-CRH-1	FE / DC#5 (BH7cc)	MS42	Limestone Crusher (7sb)to Conveyor MTST-00-SAR-CNV-C	400 TPH	1994
MTST-00-SAR-CNV-C	FE / DC#5 (BH7cc)	MS43	Limestone Conveyor from Crusher #1 to Shuttle Conveyor MTST-00-SAR-CNV-1	400 TPH	1994
MTST-00-SAR-CNV-1	FE / DC#7 (BH8ce)	MS44	Limestone Shuttle Conveyor (7sd) to Silos MTST-03-SAR-TK-1A and 1B and MTST-00-SAR-TK-1A & 1B	400 TPH	2001
MTST-03-SAR-TK-1A	FE / DC#7 (BH8ce)	MS45	Limestone Storage Silo (8sa) to Weigh Feeder MTST-03-SAP-FDR-1A	500 Tons	1994
MTST-03-SAR-TK-1B	FE / DC#7 (BH8ce)	MS45	Limestone Storage Silo (8sb) to Weigh Feeder MTST-03-SAP-FDR-1B	500 Tons	1994
MTST-00-SAR-TK-1A	FE / DC#7 (BH8ce)	MS45	Limestone Storage Silo (8sc) to Weigh Feeder MTST-00-SAP-FDR-1A	500 Tons	2001
MTST-00-SAR-TK-1B	FE / DC#7 (BH8ce)	MS45	Limestone Storage Silo (8sd) to Weigh Feeder MTST-00-SAP-FDR-1B	500 Tons	2001
MTST-03-SAP-FDR-1A	FE / DC#7 (BH8ce)	MS45	Limestone Weigh Feeder to Ball Mill MTST-03-SAP-CRH-1A	18 TPH	1994
MTST-03-SAP-FDR-1B	FE / DC#7 (BH8ce)	MS45	Limestone Weigh Feeder to Ball Mill MTST-03-SAP-CRH-1B	18 TPH	1994
MTST-00-SAP-FDR-1A	FE / DC#7 (BH8ce)	MS45	Limestone Weigh Feeder to Ball Mill MTST-00-SAP-CRH-1A	17 TPH	2001
MTST-00-SAP-FDR-1B	FE / DC#7 (BH8ce)	MS45	Limestone Weigh Feeder to Ball Mill MTST-00-SAP-CRH-1B	17 TPH	2001
Ash Handling Equipment					
MTST-01-ID-STK-1	FE	MS46	Unit 1 Fly Ash Storage Silo to Mixers MTST-01-ADF-MC-1A and 1B	88,000 ft ³	1963
MTST-01-ADF-MC-1A	PE / MC	MS47	Unit 1 Primary Fly Ash Mixer to Ash Haul Trucks	400 TPH	2003
MTST-01-ADF-MC-1B	PE / MC	MS48	Unit 1 Secondary Fly Ash Mixer to Ash Haul Trucks	400 TPH	1975
MTST-02-ID-STK-1	FE	MS49	Unit 2 Fly Ash Storage Silo to Mixers MTST-02-ADF-MC-1A and 1B	88,000 ft ³	1964
MTST-02-ADF-MC-1A	PE / MC	MS50	Unit 2 Primary Fly Ash Mixer to Ash Haul Trucks	400 TPH	2003
MTST-02-ADF-MC-1B	PE / MC	MS51	Unit 2 Secondary Fly Ash Mixer to Ash Haul Trucks	400 TPH	1975
MTST-03-ID-STK-1	FE	MS52	Unit 3 Fly Ash Storage Silo to Mixers MTST-03-ADF-MC-1A and 1B	125,000 ft ³	1972
MTST-03-ADF-MC-1A	PE / MC	MS53	Unit 3 Primary Fly Ash Mixer to Ash Haul Trucks	400 TPH	2003

ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms)					
Emission Point ID ¹	Control Device ¹	Emission Unit ID ¹	Emission Unit Description	Design Capacity	Year Installed/Modified
MTST-03-ADF-MC-1B	PE / MC	MS54	Unit 3 Secondary Fly Ash Mixer to Ash Haul Trucks	400 TPH	1972
MTST-00-ADB-TK-3	FE	MS55	Pyrite Storage Tank to Mixer MTST-00-ADB-MC-1	1,200 TPH	1982
MTST-00-ADB-MC-1	PE / MC	MS56	Pyrite Mixer to Ash Haul Trucks	200 TPH	1994
Scrubber By-Product (FGD Gypsum)					
MTST-00-SWD-M-FL-1A	FE / MC	MS57	Vacuum Filter to Dewatering Building MTST-00-BLD-DW-1	27 TPH	2001
MTST-00-SWD-M-FL-1B	FE / MC	MS57	Vacuum Filter to Dewatering Building MTST-00-BLD-DW-1	27 TPH	2001
MTST-03-SWD-M-FL-1A	FE / MC	MS58	Vacuum Filter to Dewatering Building MTST-00-BLD-DW-1	27 TPH	1994
MTST-03-SWD-M-FL-1B	FE / MC	MS58	Vacuum Filter to Dewatering Building MTST-00-BLD-DW-1	27 TPH	1994
Miscellaneous Other					
MTST-00-FP-ENG-1	N	MS59	Diesel Fire Pump Clarke/John Deere JU6H-UFADX8	305 bhp	2014
MTST-00-FP-ENG-3	N	MS60	Diesel Fire Pump	335.5 bhp	1994
MTST-00-LO-TK-3	FE	MS61	Clean Oil Tank (Turbine Lube Oil)	16,000 Gal.	1964
MTST-00-LO-TK-4	FE	MS62	Dirty Oil Tank (Turbine Lube Oil)	16,000 Gal.	1964
MTST-00-FO-TK-4	N	MS63	Jet Fuel Oil Tank for Combustion Turbine	105,000 Gal.	1992
MTST-00-FO-TK-6G	FE	MS65	Gasoline Tank-Unleaded	5,000 Gal.	1995
MTST-00-IO-TK-1A	N	MS66	Fuel Oil Tank 1A (#2 fuel oil)	504,501 Gal.	1964
MTST-00-IO-TK-1B	N	MS67	Fuel Oil Tank 1B (#2 fuel oil)	1,541,526 Gal.	1973
1-CC-E-1A, 1-CC-E-1B, 1-CC-E-1C	ME	MS68	Cooling Tower (3 stacks)	NA	1964
2-CC-E-1A, 2-CC-E-1B, 2-CC-E-1C	ME	MS69	Cooling Tower (3 stacks)	NA	1964
3-CC-E-1A, 3-CC-E-1B	ME	MS70	Cooling Tower (2 stacks)	NA	1973
MTST-03-OAS-TK-1C	N	MS71	Acid Tank – Organic for Scrubber	43,183 Gal.	1993
MTST-00-BLD-LTB-1	BH	MS72	Lime Silo for Water Treatment Settling Pond	4,000 ft ³	1973

ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms)					
Emission Point ID ¹	Control Device ¹	Emission Unit ID ¹	Emission Unit Description	Design Capacity	Year Installed/Modified
MTST-00-AMS-TK-1	Deluge systems are use to suppress inadvertent NH ₃ releases.	MS73	Anhydrous Ammonia Tank	45,000 Gal.	2001
MTST-00-AMS-TK-2	Deluge systems are use to suppress inadvertent NH ₃ releases.	MS74	Anhydrous Ammonia Tank	45,000 Gal.	2001
MTST-00-AMS-TK-3	Deluge systems are use to suppress inadvertent NH ₃ releases.	MS75	Anhydrous Ammonia Tank	45,000 Gal.	2001
PTK-1	FE	MS76	Ash Maintenance Diesel Fuel Tank	10,000 Gal	2013
FO-TK-02	FE	MS85	ULSD Tank for Fire Pump	515 Gal	2014
RD-1	P, PWT	Fugitive	Asphalt Plant Entrance Road	2,216 Feet	1964
RD-2	P, PWT	Fugitive	Concrete Coal Entrance Road	1,470 Feet	1964
RD-3	P, PWT	Fugitive	Asphalt Limestone Haul Road	6,277 Feet	1994
RD-4	P, PWT	Fugitive	Asphalt Mettiki Coal Entrance Road	4,932 Feet	1996
RD-5	P, PWT	Fugitive	Asphalt Ash Haul Road	6,864 Feet	1994
RD-6	P, PWT	Fugitive	Asphalt Plant Roads	10,224 Feet	1964 to 2004
RD-7	PWT	Fugitive	Gravel Plant Roads	3,518 Feet	1964 / 1972
RD-8	PWT	Fugitive	Gravel Ash Haul Road To Phase A	3,168 Feet	1994
RD-9	PWT	Fugitive	Gravel Ash Haul Road To Phase B Entrance	4,224 Feet	1986
RD-10	PWT	Fugitive	Bottom Ash Internal Phase B Haul Road	2,112 Feet	1995 to 2009
RD-11	PWT	Fugitive	Gravel Old Ash Haul Road	3,325 Feet	1979
AD-1	MC	Fugitive	Unloading of ash haul trucks	60 ton/truck	1989
FGD-1	MC	Fugitive	Unloading of FGD Byproduct haul trucks	35 ton/truck	1994
MTST-00-RW-CTS	ME	MS86	Helper Cooling Tower (2 stacks)	NA	2011
Future Coal Unloading Facility					
TP-1	DC	CY-1	Railcar to rail dump hopper	2,000 tph	2015
TP-2	DC	CY-2	Rail dump hopper to Conveyor A-1	2,000 tph	2015
TP-2a	DC	CY-2a	Traveling Hammermill for Frozen Coal (above Grizzly CY-2b)	2,000 tph	2015
TP-2b	DC	CY-2b	Grizzly (Between rail dump hopper and Conveyor A-1)	2,000 tph	2015
TP-3	TPTE/UGTE	CY-3	Conveyor A-1 to Conveyor B-1	2,000 tph	2015
TP-4	TPTE/BTE	CY-4	Conveyor B-1 to Conveyor B-2	2,000 tph	2016

ATTACHMENT D - Title V Equipment Table
(includes all emission units at the facility except those designated as
insignificant activities in Section 4, Item 24 of the General Forms)

Emission Point ID ¹	Control Device ¹	Emission Unit ID ¹	Emission Unit Description	Design Capacity	Year Installed/Modified
TP-5	TPTE/BTE	CY-5	Conveyor B-2 to Conveyor B-3	2,000 tph	2016
TP-6	TPTE/BTE	CY-6	Conveyor B-3 to Conveyor B-4	2,000 tph	2016
TP-7	TPTE/BTE	CY-7	Conveyor B-3 to Tripper Conveyor C-5	2,000 tph	2016
TP-8	BPE	CY-8	Tripper C-5 to Covered Storage Pile	1,200 tph	2016
TP-9	TPTE/BTE	CY-9	Conveyor B-4 to Conveyor B-5	2,000 tph	2016
TP-10	ST	CY-10	Conveyor B-4 to Coal Pile A	2,000 tph	2015
TP-11	TPTE/BTE	CY-11	Conveyor B-5 to Conveyor B-6	2,000 tph	2016
TP-12	ST	CY-12	Conveyor B-5 to Coal Pile B	2,000 tph	2015
TP-13	TPTE/BTE	CY-13	Conveyor B-6 to Conveyor B-7	2,000 tph	2016
TP-14	ST	CY-14	Conveyor B-6 to Coal Pile C	2,000 tph	2017
TP-15	ST	CY-15	Conveyor B-7 to Coal Pile D	2,000 tph	2017
TP-16	PETP/UGTE	CY-16	Coal Pile C to Conveyor R-3	1,200 tph	2017
TP-17	PETP/UGTE	CY-17	Coal Pile D to Conveyor R-3	1,200 tph	2017
TP-18	TPTE/UGTE	CY-18	Conveyor R-3 to Conveyor R-4	1,200 tph	2017
TP-19	TPTE	CY-19	Conveyor R-4 to Conveyor Q-1	1,200 tph	2017
TP-20	TPTE	CY-20	Conveyor R-4 to Conveyor Q-2	1,200 tph	2017
TP-21	PETP/UGTE	CY-21	Coal Pile A to Conveyor R-1	1,200 tph	2016
TP-22	PETP/UGTE	CY-22	Coal Pile B to Conveyor R-1	1,200 tph	2016
TP-23	TPTE/UGTE	CY-23	Conveyor R-1 to Conveyor R-2	1,200 tph	2017
TP-24	TPTE	CY-24	Conveyor R-2 to Conveyor Q-1	1,200 tph	2017
TP-25	TPTE	CY-25	Conveyor R-2 to Conveyor Q-2	1,200 tph	2017
TP-26	BPE	CY-26	Dozer to Reclaim Feeder P-1	1,200 tph	2017
TP-27	TPTE	CY-27	Reclaim Feeder P-1 to Conveyor Q-1	1,200 tph	2017
TP-30	TPTE/BTE	CY-28	Conveyor Q-2 to Conveyor C-2	1,200 tph	2017
TP-31	TPTE/BTE	CY-29	Conveyor Q-2 to Conveyor H-2	1,200 tph	2017
TP-39	TPTE/BPE	CY-30	Conveyor G-2 to Tripper Conveyor C-5	1,200 tph	2017
TP-40	TPTE/BTE	CY-31	Conveyor G-2 to Conveyor G-3	1,200 tph	2017
TP-41	TPTE/BTE	CY-32	Conveyor G-3 to Conveyor G-4	1,200 tph	2017
TP-42	ST	CY-33	Conveyor G-3 to Coal Pile A	1,200 tph	2016
TP-43	ST	CY-34	Conveyor G-4 to Coal Pile B	1,200 tph	2016
TP-45	TPTE/UGTE	CY-36	Emergency Coal Pile Reclaim to Conveyor R-4	1,200 tph	2017
SM-1	TPTE/BTE	CY-37	Truck sampling system	1,200 tph	2017
SM-2	TPTE/BTE	CY-38	Main sampling system	1,200 tph	2017

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

ATTACHMENT E
EMISSION UNIT FORMS

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: MTST-01-BLR-STG-1 MTST-02-BLR-STG-1 MTST-03-BLR-STG-1	Emission unit name: Sources for Emission Point MS1/2: MTST-01-BLR-STG-1 – Unit 1 Boiler MTST-02-BLR-STG-1 – Unit 2 Boiler Sources for Emission Point MS3: MTST-03-BLR-STG-1 – Unit 3 Boiler	List any control devices associated with this emission unit: Electrostatic Precipitators (ESP), Flue Gas Desulfurization Scrubber Absorber (FGDS), Low NOx Burners (LNB), Selective Catalytic Reduction (SCR)
Provide a description of the emission unit (type, method of operation, design parameters, etc.): The emission units MTST-01-BLR-STG-1 and MTST-02-BLR-STG-1 are two of the three main boilers at the Mt. Storm Power Station. Both units employ a tangential firing arrangement to burn pulverized coal and have design heat input capacities of 6,199 mmBtu/hr each. Unit 3 has a maximum design heat input of 5,824 mmBtu/Hr. Units 1 and 2 discharge to a common stack (MS1/2) whereas Unit 3 discharges to a dedicated stack (MS3)..		
Manufacturer: Combustion Engineering	Model number: Unit 1 and Unit 2 CCRRDP 60 Unit 3 CCRD 66	Serial number: Unit 1 : Contract No. 1562 Unit 2 : Contract No. 1663 Unit 3 : Contract No. 8668
Construction date: MTST-01-BLR-STG-1 : 1965 MTST-02-BLR-STG-1 : 1966 MTST-03-BLR-STG-1 : 1973	Installation date: N/A	Modification date(s): Units 1 and 2: commenced 2009 Unit 3: not modified
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Units 1 and 2 are designed to produce 3,785,000 lbs/hr of steam at a mawp of 2,520 psig and 1000°F. Unit 3 is designed to produce 3,877,840 lbs/hr of steam at a mawp of 2,520 psig and 1000°F.		
Maximum Hourly Throughput: Units 1 & 2 - 3,785,000 lbs/hr of steam at a mawp of 2,520 psig and 1000°F. Unit 3 - 3,877,840 lbs/hr of steam at a mawp of 2,520 psig and 1000°F.	Maximum Annual Throughput: Units 1 & 2 – 3.31566 x 10 ⁶ lbs/yr of steam Unit 3- 3.39698784 x 10 ⁶ lbs/yr of steam	Maximum Operating Schedule: 8,760 hours/year
Fuel Usage Data (fill out all applicable fields)		
Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired
Maximum design heat input and/or maximum horsepower rating: The maximum design heat input for Units 1 & 2 is 6,199 mmBtu/hr. The maximum design heat input for Unit 3 is 5,824 mmBtu/Hr.		Type and Btu/hr rating of burners: 48 coal tips / 8 oil guns for startup

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

The fuel for Units 1 and 2 is pulverized coal. These units consume fuel at a maximum hourly rate of 236 tons per hour. Thus, each boiler would have a maximum annual fuel usage of 2,067,360 tons based on 8760 hours of operation in a year. Unit 3 consumes fuel at a maximum hourly rate of 238 tons per hour. Thus, this boiler would have a maximum annual fuel usage of 2,084,880 tons based on 8760 hours of operation in a year.

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Pulverized coal and No. 2 Fuel Oil (for startup and flame stabilization)	varies	varies	varies

Emissions Data (all three boilers combined)		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	2,607.3	11,333.89
Nitrogen Oxides (NO _x)	2,004.42	8,691.17
Lead (Pb)	0.15	0.45
Particulate Matter (PM _{2.5})	(incl. with TSP)	(incl. with TSP)
Particulate Matter (PM ₁₀)	546.66	2,381.77
Total Particulate Matter (TSP)	546.66	2,381.77
Sulfur Dioxide (SO ₂)	49,199.4	213,328.60
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Mercury (MATS limit @ 8,760 hrs/yr)	0.022	0.097
Chromium	0.14	0.60
Manganese	0.11	0.78
Nickel	0.15	0.63
Hydrogen Chloride (MATS limit)	36.44	158.02
Hydrogen Fluoride	5.58	24.19
Selenium	0.51	4.20
Cadmium	0.05	0.08
Arsenic	0.16	0.70
Beryllium	0.05	0.03
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
Sulfuric Acid Mist	76.93	335.36
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). CO, TSP, and SO₂ potential pounds per hour are based on all three units' permit limitations as reflected in the proposed applicable requirements that follow.</p> <p>Annual potential emissions assume 8,760 hours per year at the hourly emissions rate unless otherwise limited by permit.</p> <p>Other emissions calculated using AP-42, Section 1.1 (9/98).</p>		

Applicable Requirements

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

Source-Specific Requirements

Thermal Decomposition Of Boiler Cleaning Solutions

The thermal decomposition of boiler cleaning solutions is permitted in accordance with the WVDAQ letter signed by Jesse D. Adkins and subject to DAQ notification requirements as outlined in the document titled "Dominion Generation Mt. Storm Power Station Boiler Chemical Cleaning Process Evaporation Notification Procedure." Dominion is required to store the spent cleaning solution in temporary (frac) tanks, test samples of the spent solution to verify the solution is non-hazardous, and notify the DAQ at least one (1) day prior to commencement of the thermal decomposition. Records pertaining to the thermal decomposition of boiler cleaning solutions shall be kept on site for a period of no less than five (5) years and shall be made available, in a suitable form for inspection, to the Secretary upon request.

[WVDAQ Letter signed by Jesse D. Adkins - State-Enforceable only]
(Title V condition 4.0.1)

Limitations and Standards

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.

[45CSR§2-9.2.]

(Title V permit condition 4.1.1)

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.

[45CSR§2-4.4.]

(Title V permit condition 4.1.2)

Unit 1, Unit 2 and Unit 3 Boilers (MTST-01-BLR-STG-1, MTST-02-BLR-STG-1, MTST-03-BLR-STG-1)

Visible Emissions and Particulate Matter

Visible Emissions from each Unit 1 & 2 stack (*MS1/2*) and Unit 3 stack (*MS3*) shall not exceed ten (10) percent opacity based on a six minute block average.

[45CSR§2-3.1.]

(Title V permit condition 4.1.3)

The visible emission standards shall apply at all times except in periods of start-ups, shutdowns and malfunctions.

[45CSR§2-9.1.]

(Title V permit condition 4.1.4)

The combined total particulate matter emissions from Unit 1 & 2 stack (*MS1/2*) and Unit 3 stack (*MS3*) shall not exceed 866.85 lb/hr. The averaging time shall be a minimum of six (6) hours.

[45CSR§2-4.1.a., 45CSR2-Appendix §§ 4.1.b. & 4.1.c.]

(Title V permit condition 4.1.5)

The emission rate of filterable PM₁₀ from Unit 1 and Unit 2, as emitted from Emission Point MS1/2e, shall not exceed 0.03 lb/mmBtu on a 6-hour average.

[45CSR13 - Permit No. R13-2735 §4.1.1.]

(Title V permit condition 4.1.6)

The aggregate emission rate of filterable PM₁₀ from Unit 3, as emitted from Emission Point MS3e, shall not exceed

0.03 lb/mmBtu on a 6-hour average.

[45CSR13 - Permit No. R13-2735 §4.1.2.]

(Title V permit condition 4.1.7)

Unit 1, Unit 2 and Unit 3 shall utilize, at all reasonable times, dry electrostatic precipitation (ESP), and wet Flue-Gas Desulfurization (FGD) to achieve a minimum PM₁₀ control of 99.50% (on a 6-hour average).

[45CSR13 - Permit No. R13-2735 §4.1.3.]

(Title V permit condition 4.1.8)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, maintain and operate all pollution control equipment listed in Section 1.0 of R13-2735 (i.e., Units 1, 2, and 3 ESPs and FGDs) and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13 - Permit No. R13-2735 §4.1.4.; 45CSR§13-5.11]

(Title V permit condition 4.1.9)

Sulfur Dioxide (SO₂)

The combined total sulfur dioxide emissions from Unit 1 & 2 stack (*MS1/2e*) and Unit 3 stack (*MS3e*) shall not exceed 46,931.4 lb/hr.

[45CSR§§10-3.1. & 3.1.d.]

(Title V permit condition 4.1.10)

Compliance with the allowable sulfur dioxide emission limitations from Unit 1 & 2 and Unit 3 boilers 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 (*permit condition 4.1.10. above*), 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.

[45CSR§10-3.8.]

(Title V permit condition 4.1.11)

The carbon monoxide emission rates from Units 1 & 2 stack (*MS1/2*) shall not exceed 1733.7 lb/hr or 0.15 lb/mmBtu (based on a one hour average).

[45CSR13/14 - Permit No. R13-1661/R14-10-§(A)]

(Title V permit condition 4.1.12)

The carbon monoxide emission rates from Units 3 stack (*MS3*) shall not exceed 873.6 lb/hr or 0.15 lb/mmBtu (based on a one hour average)

[45CSR13/14 - Permit No. R13-1661/R14-10-§(A)]

(Title V permit condition 4.1.13)

Electric Utility Steam Generating Utilities NSPS. Except where this permit is more restrictive than the applicable requirement, the permittee shall comply with the applicable requirements of 40 CFR Part 60, Subpart Da for Units 1 and 2.

[40 CFR §60.40Da(a)(2) and 45CSR16]

(Title V permit condition 4.1.21)

VEPCO Consent Decree

The Consent Decree entered by the United States District Court for the Eastern District of Virginia, Civil Action Nos. 03-CV-517-A and 03-CV-603-A, on October 10, 2003 between Virginia Electric and Power Company (VEPCO) and the United States of America, et al.(the "Consent Decree"), as such Consent Decree might be

amended or modified from time to time in accordance with its terms, is incorporated in its entirety into this permit by reference and is attached as Appendix D to this permit. The permittee's obligation under this permit shall be to comply with the terms and conditions of the Consent Decree that relate to the operation of Mt Storm Power Station exclusively, and such compliance shall be determined exclusively by reference to the terms and conditions of the Consent Decree.

[45CSR§30-12.7., VEPCO Consent Decree Effective Date October 10, 2003]

(Title V permit condition 4.1.23)

"30-Day Rolling Average Emission Rate" for a Unit means and is calculated by (A) summing the total pounds of the pollutant in question emitted from the Unit during an Operating Day and the previous twenty-nine (29) Operating Days; (B) summing the total heat input to the Unit in mmBTU during the Operating Day and during the previous twenty-nine (29) Operating Days; and (C) dividing the total number of pounds of pollutants emitted during the thirty (30) Operating Days by the total heat input during the thirty (30) Operating Days, and converting the resulting value to lbs/mmBTU. A new 30-Day Rolling Average Emission Rate shall be calculated for each new Operating Day.

In calculating all 30-Day Rolling Average Emission Rates VEPCO:

- a. shall include all emissions and BTUs commencing from the time the Unit is synchronized with a utility electric distribution system through the time that the Unit ceases to combust fossil fuel and the fire is out in the boiler, except as provided by Subparagraph B, C, or D; of the Consent decree (condition b., c., or d below)
- b. shall use the methodologies and procedures set forth in 40 C.F.R. Part 75;
- c. may exclude emissions of NOx and BTUs occurring during the fifth and subsequent Cold Start Up Period(s) that occur in any 30-Day period if inclusion of such emissions would result in a violation of any applicable 30-Day Rolling Average Emissions Rate, and if VEPCO has installed, operated and maintained the SCR [*a pollution control device that employs selective catalytic reduction*] in question in accordance with manufacturers specifications and good engineering practices. A "Cold Start Up Period" occurs whenever there has been no fire in the boiler of a Unit (no combustion of any fossil fuel) for a period of six hours or more. The emissions to be excluded during the fifth and subsequent Cold Start Up Period(s) shall be the less of (I) those NOx emissions emitted during the eight hour period commencing when the Unit is synchronized with a utility electric distribution system and concluding eight hours later or (2) those emitted prior to the time that the flue gas has achieved the SCR operational temperature as specified by the catalyst manufacturer; and
- d. may exclude NOx emissions and BTUs occurring during any period of malfunction (as defined at 40 C.F.R. 60.2) of the SCR

[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 5]

(Title V permit condition 4.1.24)

Units 1, 2, and 3 shall operate with the SCR on a year-round basis and meet a 30-Day Rolling Average Emission Rate for NOx of 0.110 lb/mmBtu for each Unit. The permittee shall use best efforts to operate each SCR in accordance with manufacturer's specifications, good engineering practices, and facility operational and maintenance needs.

[VEPCO Consent Decree Effective Date October 10, 2003, Paragraphs 56, 57 and 58]

(Title V permit condition 4.1.25)

Mount Storm Units 1, 2, and 3 are meeting a 95% reduction efficiency for SO₂ on a 30-Day Rolling Average basis. For each unit, in lieu of the 95.0%, 30-Day Rolling Average reduction efficiency, the permittee may choose to meet an SO₂ emission rate of 0.150 lb/mmBtu with written, prior notice to the Consent Decree Plaintiffs.

[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 66]

(Title V permit condition 4.1.26)

[NOTE: Paragraph 67 of the VEPCO Consent Decree as reflected in the current Title V permit condition number 4.1.27 no longer applies as the dates available for VEPCO to use this option have passed. Therefore, the requirements of Paragraph 67 are not proposed for inclusion in the renewed Title V permit.]

The FGD systems shall be operated at all times the Unit the FGD serves is in operation, provided that such FGD system can be operated consistent with manufacturers' specifications, good engineering practices and VEPCO's operational and maintenance needs. ~~In calculating a 30-Day Rolling Average Removal Efficiency or a 30-Day Rolling Average Emission Rate for a Mount Storm Unit, VEPCO need not include SO₂ emitted by Unit while its FGD is shut down in compliance with Paragraph 67 of the decree ("Interim Mitigation of Mount Storm SO₂ Emissions While FGDs are Improved").~~

**[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 69]
(Title V permit condition 4.1.28)**

The SO₂ 30-Day Rolling Average Removal Efficiency for a VEPCO System FGD shall be obtained and calculated using SO₂ CEMS data in compliance with 40 CFR Part 75 (from both the inlet and outlet of the control device) by subtracting the outlet 30-Day Rolling Average Emission Rate from the inlet 30-Day Rolling Average Emission Rate on each day the boiler operates, dividing that difference by the inlet 30-Day Rolling Average Emission Rate, and then multiplying by 100. A new 30-Day Rolling Average Removal Efficiency shall be calculated for each new Operating Day (as defined in paragraph 30 of the consent decree). In the case of FGDs serving Mount Storm Units 1, 2, or 3, if any flue gas emissions containing SO₂ did not pass through the inlet of the Unit's scrubber on a day when the Unit operated, VEPCO must account for, report on, and include any such emissions in calculating the FGD Removal Efficiency for that day and for every 30-Day Rolling Average of which that day is a part.

**[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 68]
(Title V permit condition 4.1.29)**

The facility shall operate Mount Storm's Units 1, 2, and 3 ESPs to maximize PM emission reductions through procedures established in Paragraph 78 of the Consent Decree. The facility shall:

- a. Commence operation no later than two hours after commencement of combustion of any amount of coal, and provided that, for all ESP equipped units, "combustion of any amount of coal" shall not include combustion of coal that is the result of clearing out a Unit's coal mills as the Unit is returned to service.
- b. Fully energize each available portion of each ESP, except those ESP fields that have been out of service since at least January 1, 2000, consistent with manufacturer' specifications, the operational design of the Unit, and good engineering practices, and repair such fields that go out of service consistent with the requirements of this Paragraph.
- c. Maintain power levels delivered to the ESPs, consistent with manufacturers' specifications, the operational design of the Unit and good engineering practices.
- d. Continuously operate Mount Storm Units 1, 2, and 3 ESPs in compliance with manufacturers' specifications, the operational design of the Unit, and good engineering practices. Whenever any element of any ESP that has been in service at any time since January 1, 2000 fails, does not perform in accordance with manufacturers' specifications and good engineering practices, or does not operate in accordance with standards set forth in this Paragraph, the permittee shall use best efforts to repair the element no later than the next available Unit outage appropriate to the repair task.

**[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 78]
(Title V permit condition 4.1.30)**

The permittee shall operate and maintain the ESPs in compliance with the approved ESP optimization plan pursuant to Paragraphs 78 & 79 of the consent decree.

**[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 80]
(Title V permit condition 4.1.31)**

The emission rate from Unit 1 and Unit 2, as emitted from Emission Point MS1/2e, and from Unit 3 as emitted from Emission Point MS3e shall meet a PM emission limit of 0.030 lb/mmBtu.

[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 80]

(Title V permit condition 4.1.32)

The 0.030 lb/mmBtu PM Emission Rate (condition 4.1.31.) shall not apply during periods of “startup” and “shutdown” or during periods of control equipment or Unit malfunction. Periods of “startup” shall not exceed two hours after any amount of coal is combusted. Periods of “shutdown” shall only commence when the Unit ceases burning any amount of coal. Coal shall not be deemed to be combusted if it is burned as a result of clearing out a Unit's coal mill as the Unit is returned to service.

[VEPCO Consent Decree Effective Date October 10, 2003, Paragraph 81]

(Title V permit condition 4.1.33)

40 CFR Part 63, Subpart UUUUU Requirements (MATS)

For purposes of the MATS Rule, Units 1, 2, and 3 are existing coal-fired EGUs designed for coal with a heating value greater than 8,300 Btu/lb. **[45CSR34; 40CFR§63.9981, 40CFR§63.9990(a)(1)]**

At all times, each EGU must meet each applicable emission limit and work practice standard in Tables 2 and 3 of 40 CFR 63 Subpart UUUUU. **[45CSR34; 40CFR§63.9991(a)(1)]**

Applicable Emission Limits from Table 2 of 40 CFR 63 Subpart UUUUU:

	Pollutants (a, b, and c)	Emission Limit
a.	Filterable particulate matter (PM)	0.030 lb/mmBtu or 0.30 lb/MWh
	<u>OR</u>	
	Total non-Hg HAP metals	0.000050 lb/mmBtu or 0.50 lb/GWh
	<u>OR</u>	
	Individual HAP metals:	
	Antimony (Sb)	0.80 lb/TBtu or 0.0080 lb/GWh
	Arsenic (As)	1.1 lb/TBtu or 0.020 lb/GWh
	Beryllium (Be)	0.20 lb/TBtu or 0.0020 lb/GWh
	Cadmium (Cd)	0.30 lb/TBtu or 0.0030 lb/GWh
	Chromium (Cr)	2.8 lb/TBtu or 0.030 lb/GWh
	Cobalt (Co)	0.80 lb/TBtu or 0.0080 lb/GWh
b.	Hydrogen chloride (HCl)	0.0020 lb/mmBtu or 0.020 lb/MWh
	<u>OR</u>	
	Sulfur dioxide (SO ₂)	0.20 lb/mmBtu or 1.5 lb/MWh
c.	Mercury (Hg)	1.2 lb/TBtu or 0.013 lb/GWh

Applicable Work Practice Standards from Table 3 of 40 CFR 63 Subpart UUUUU:

Boiler Tune-ups:

Conduct a tune-up of the EGU burner and combustion controls at least each 36 calendar months, or each 48 calendar months if neural network combustion optimization software is employed, as specified in 40 CFR §63.10021(e).

Startups:

You have the option of complying using either of the following work practice standards.

(1) If you choose to comply using paragraph (1) of the definition of “startup” in 40 CFR §63.10042, you must operate all CMS during startup. Startup means either the first-ever firing of fuel in a boiler for the purpose of producing electricity, or the firing of fuel in a boiler after a shutdown event for any purpose. Startup ends when any of the steam from the boiler is used to generate electricity for sale over the grid or for any other purpose

(including on site use). For startup of a unit, you must use clean fuels as defined in 40 CFR §63.10042 for ignition. Once you convert to firing coal, you must engage all of the applicable control technologies except SCR. You must start your SCR systems appropriately to comply with relevant standards applicable during normal operation. You must comply with all applicable emissions limits at all times except for periods that meet the applicable definitions of startup and shutdown in 40 CFR 63 Subpart UUUUU. You must keep records during startup periods. You must provide reports concerning activities and startup periods, as specified in 40 CFR §63.10011(g) and §63.10021(h) and (i).

(2) If you choose to comply using paragraph (2) of the definition of “startup” in 40 CFR §63.10042, you must operate all CMS during startup. You must also collect appropriate data, and you must calculate the pollutant emission rate for each hour of startup.

For startup of an EGU, you must use one or a combination of the clean fuels defined in 40 CFR §63.10042 to the maximum extent possible throughout the startup period. You must have sufficient clean fuel capacity to engage and operate your PM control device within one hour of adding coal to the unit. You must meet the startup period work practice requirements as identified in 40 CFR §63.10020(e).

Once you start firing coal, you must vent emissions to the main stack(s). You must comply with the applicable emission limits within 4 hours of start of electricity generation. You must engage and operate your particulate matter control(s) within 1 hour of first firing of coal.

You must start all other applicable control devices as expeditiously as possible, considering safety and manufacturer/supplier recommendations, but, in any case, when necessary to comply with other standards made applicable to the EGU by a permit limit or a rule other than 40 CFR 63 Subpart UUUUU that require operation of the control devices.

If you choose to use just one set of sorbent traps to demonstrate compliance with Hg emission limits, you must comply with all applicable Hg emission limits at all times; otherwise, you must comply with all applicable emission limits at all times except for startup or shutdown periods conforming to this practice. You must collect monitoring data during startup periods, as specified in 40 CFR §63.10020(a) and (e). You must keep records during startup periods, as provided in 40 CFR §§63.10032 and 63.10021(h). Any fraction of an hour in which startup occurs constitutes a full hour of startup. You must provide reports concerning activities and startup periods, as specified in 40 CFR §§63.10011(g), 63.10021(i), and 63.10031.

Shutdowns:

You must operate all CMS during shutdown. You must also collect appropriate data, and you must calculate the pollutant emission rate for each hour of shutdown. While firing coal during shutdown, you must vent emissions to the main stack(s) and operate all applicable control devices and continue to operate those control devices after the cessation of coal being fed into the EGU and for as long as possible thereafter considering operational and safety concerns. In any case, you must operate your controls when necessary to comply with other standards made applicable to the EGU by a permit limit or a rule other than 40 CFR 63 Subpart UUUUU and that require operation of the control devices.

If, in addition to the fuel used prior to initiation of shutdown, another fuel must be used to support the shutdown process, that additional fuel must be one or a combination of the clean fuels defined in 40 CFR §63.10042 and must be used to the maximum extent possible.

You must comply with all applicable emission limits at all times except during startup periods and shutdown periods at which time you must meet this work practice. You must collect monitoring data during shutdown periods, as specified in 40 CFR §63.10020(a). You must keep records during shutdown periods, as provided in 40 CFR §§63.10032 and 63.10021(h). Any fraction of an hour in which shutdown occurs constitutes a full hour of shutdown. You must provide reports concerning activities and shutdown periods, as specified in 40 CFR §§63.10011(g), 63.10021(i), and 63.10031.

[45CSR34; 40CFR§63.9991(a)(1) and Tables 2 and 3 to 40 CFR 63 Subpart UUUUU]

The permittee may assert an affirmative defense for exceedance of an emission limit in 40 CFR 63 Subpart UUUUU by following the procedures in 40 CFR 63.10001.

[45CSR34; 40CFR§63.10001]

40 CFR Part 60, Subpart Da Requirements for Units 1 and 2 Boilers [MTST-01-BLR-STG-1 and MTST-02-BLR-STG-1]

[NOTE: The following NSPS Subpart Da requirements apply only to Units 1 and 2.]

Particulate Matter

Except as provided in c. and d. below, no owner or operator of an affected facility that commenced construction, reconstruction, or modification after February 28, 2005, but before May 4, 2011, shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of either:

- a. 0.14 lb/MWh gross energy output; or
- b. 0.015 lb/MMBtu heat input derived from the combustion of solid, liquid, or gaseous fuel.
As an alternative to meeting the requirements of a. and b. above, the owner or operator may elect to meet the requirements of this paragraph. No owner or operator of an affected facility shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of:
- c. 0.030 lb/MMBtu heat input derived from the combustion of solid, liquid, or gaseous fuel, and
- d. 0.2 percent of the combustion concentration determined according to the procedure in 40 CFR §60.48Da(o)(5) (99.8 percent reduction) when combusting solid, liquid, or gaseous fuel.

**[40CFR§§60.42Da(c), (d)(1) and (d)(3), and 45CSR16]
(Title V permit condition 7.1.1)**

Sulfur Dioxide (SO₂)

No owner or operator of an affected facility for which construction, reconstruction, or modification commenced after February 28, 2005, but before May 4, 2011, shall cause to be discharged into the atmosphere from that affected facility, any gases that contain SO₂ in excess of either:

- a. 1.4 lb/MWh gross energy output;
- b. 0.15 lb/MMBtu heat input; or
- c. 10 percent of the potential combustion concentration (90 percent reduction).

**[40CFR§§60.43Da(i) and (i)(3) and 45CSR16]
(Title V permit condition 7.1.2)**

Nitrogen Oxides (NO_x)

No owner or operator of an affected facility that commenced construction, reconstruction, or modification after February 28, 2005 but before May 4, 2011, shall cause to be discharged into the atmosphere from that affected facility any gases that contain NO_x (expressed as NO₂), as determined on a 30-boiler operating day rolling average basis, in excess of either:

- a. 1.4 lb/MWh gross energy output; or
- b. 0.15 lb/MMBtu heat input.

**[40CFR§§60.44Da(e) and (e)(3) and 45CSR16]
(Title V permit condition 7.1.3)**

Compliance Standards

The applicable PM emissions limit under 7.1.1., SO₂ emissions limit under 7.1.2., and the NO_x emissions limit under 7.1.3. apply at all times except during periods of startup, shutdown, or malfunction.

**[40CFR§60.48Da(a) and 45CSR16]
(Title V permit condition 7.1.4)**

For affected facilities for which construction, modification, or reconstruction commenced before May 4, 2011, compliance with applicable 30-boiler operating day rolling average SO₂ and NO_x emissions limits is determined by calculating the arithmetic average of all hourly emission rates for SO₂ and NO_x for the 30 successive boiler operating days, except for data obtained during startup, shutdown, or malfunction.

**[40CFR§60.48Da(d) and 45CSR16]
(Title V permit condition 7.1.5)**

For affected facilities for which construction, modification, or reconstruction commenced before May 4, 2011, compliance with applicable SO₂ percentage reduction requirements is determined based on the average inlet and outlet SO₂ emission rates for the 30 successive boiler operating days.

**[40CFR§60.48Da(e) and 45CSR16]
(Title V permit condition 7.1.6)**

Compliance with applicable daily average PM emissions limits is determined by calculating the arithmetic average of all hourly emission rates for PM each boiler operating day, except for data obtained during startup, shutdown, and malfunction. Daily averages must be calculated for boiler operating days that have out-of-control periods totaling no more than 6 hours of unit operation during which the standard applies.

**[40CFR§60.48Da(f) and 45CSR16]
(Title V permit condition 7.1.7)**

The affected facility shall comply with all applicable compliance provisions of 40 CFR§60.48Da including the following:

- 40CFR§60.48Da(i) for NO_x
- 40CFR§60.48Da(m) for SO₂
- 40CFR§§60.48Da(n) or (o) or (p) for PM

**[40CFR§60.48Da and 45CSR16]
(Title V permit condition 7.1.8)**

☒ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above 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 Requirements

Compliance with the visible emission requirements for stacks *MS1/2e* and *MS3e* shall be determined as outlined in section I.A.2. of the DAQ approved “45CSR2 Monitoring Plan” attached in Appendix B of this permit.

**[45CSR§§2-3.2., 8.1.a & 8.2., 45CSR§2A-6]
(Title V permit condition 4.2.1)**

The owner or operator shall install, calibrate, certify, operate, and maintain continuous monitoring systems that measure all SO₂, and NO_x, emissions from emission points *MS1/2e* and *MS3e* as specified in 40 C.F.R. Part 75. CO₂ emissions from emission points *MS1/2e* and *MS3e* shall be measured as specified in 40 C.F.R. Part 75.

**[45CSR33, 40CFR§75.10]
(Title V permit condition 4.2.2)**

Compliance with the operating and fuel usage requirements for Units 1, 2 and 3 shall be demonstrated as outlined in section I.A.3. and II.A.3. of the DAQ approved “45CSR2 Monitoring Plan” attached in Appendix B of this permit.

**[45CSR§§2-8.3.c., 8.4.a. & 8.4.a.1.]
(Title V permit condition 4.2.3)**

The permittee shall calculate the potential particulate matter emissions from Unit 1, Unit 2, and Unit 3 on a daily basis using the monitoring procedures and calculation methodology outlined in the 45CSR2 monitoring plan. The permittee shall record any instance of calculated emissions in excess of the limits given under condition 4.1 of this permit and any corrective actions therefore taken.

[45CSR13 - Permit No. R13-2735 §4.2.1.]

(Title V permit condition 4.2.6)

The permittee shall maintain and operate, at all reasonable times, appropriate equipment on the ESP and FGD to continuously monitor the performance of each control device.

[45CSR13 - Permit No. R13-2735 §4.2.2.]

(Title V permit condition 4.2.7)

MATS Monitoring

The permittee shall install, implement, and conduct all applicable required monitoring as specified in 40CFR§63.8, 40CFR§63.10000, 40CFR§63.10010, 40CFR§63.10020, 40CFR§63.10021, 40CFR§63.10022, and 40CFR§63.10023, and Tables 6 and 7 to 40 CFR 63 Subpart UUUUU.

[45CSR34; 40CFR§63.8, 40CFR§63.10000, 40CFR§63.10010, 40CFR§63.10020, 40CFR§63.10021, 40CFR§63.10022, and 40CFR§63.10023 and Tables 6 and 7 to 40 CFR 63 Subpart UUUUU]

Testing Requirements

The owner or operator shall conduct a test at least once every five (5) years +/- 12 months to determine the compliance of Unit 1, Unit 2 and Unit 3 Boilers with the carbon monoxide (CO) limits of conditions 4.1.12. and 4.1.13. Such tests shall be conducted in accordance with 40 CFR 60 Appendix A - Method 10. An emission factor shall be determined from the test results and updated from the results of each subsequent test. The emission factor shall be used for compliance demonstration for periods between tests.

[45CSR§30-5.1.c.]

(Title V permit condition 4.3.1)

The permittee shall conduct a stack test for PM on each boiler stack. The stack test shall be conducted at least once per every four successive "QA Operating Quarters" (as defined in 40 CFR 72.2). The reference methods for determining PM Emission Rates shall be those specified in 40 C.F.R. Part 60, Appendix A, Method 5 or Method 17, using annual stack tests. VEPCO shall calculate PM Emission rates from the annual stack tests in accordance with 40 C.F.R. 60.8(f) and 40 C.F.R. 60.48a(b). The annual stack-testing requirement of this Paragraph shall be conducted as described in Paragraph 95 of the Consent Decree and may be satisfied by: (A) any annual stack tests VEPCO may conduct pursuant to its permits or applicable regulations from the State of West Virginia if such tests employ reference test methods allowed under the Decree, or (B) installation and operation of PM CEMs required under the Decree.

[VEPCO Consent Decree Effective Date October 10, 2003, Paragraphs 81 and 95]

(Title V permit condition 4.3.2)

Tests shall be conducted as follows:

- a. The owner or operator shall conduct, or shall have conducted, tests to determine the compliance of Unit 1, Unit 2, and Unit 3 boilers particulate matter mass emission limitations under 4.1.5. 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. The most recent tests were completed in May of 2008 and the test results were $\leq 50\%$ of the weight emission standard, resulting in a testing frequency of "Once /3 years." Subsequent testing shall be based on the schedule in 4.3.3.c. below.
- b. The permittee shall conduct, or shall have conducted, tests to determine the compliance of Unit 1, Unit 2, and Unit 3 boiler's emission limits and control efficiency under 4.1.6., 4.1.7. and 4.1.8. on a per-stack

basis. Control efficiency shall be calculated using material balance based emissions for the inlet and results of the stack test for the outlet emissions. Such tests shall be conducted in accordance with approved test methods proposed in the test protocol submitted under 3.3. Such tests shall be conducted in accordance with the schedule set forth in the following table. The most recent tests were completed in May of 2008 and the test results were $\leq 50\%$ of the weight emission standard, resulting in a testing frequency of "Once /3 years." Subsequent testing shall be based on the schedule in 4.3.3.c. below.

c. Testing schedule for Conditions 4.3.3.a &b. above.

Test	Test Results	Testing Frequency
Initial Baseline	$\leq 50\%$ of weight emission standard	Once/3 years
Initial Baseline	Between 50% and 80 % of weight emission standard	Once/2 years
Initial Baseline	$\geq 80\%$ of weight emission standard	Annual
Annual	After three successive tests indicate mass emission rates $\leq 50\%$ of weight emission standard	Once/3 years
Annual	After two successive tests indicate mass emission rates between 50% and 80 % of weight emission standard	Once/2 years
Annual	Any tests indicates a mass emission rate $\geq 80\%$ of weight emission standard	Annual
Once/2 years	After two successive tests indicate mass emission rates $\leq 50\%$ of weight emission standard	Once/3 years
Once/2 years	Any tests indicates a mass emission rate between 50% and 80 % of weight emission standard	Once/2 years
Once/2 years	Any tests indicates a mass emission rate $\geq 80\%$ of weight emission standard	Annual
Once/3 years	Any tests indicates a mass emission rate $\leq 50\%$ 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 $\geq 80\%$ of weight emission standard	Annual

[45CSR§2-8.1., 45CSR§2A-5.2., 45CSR13 - Permit No. R13-2735 §4.3.1.]
(Title V permit condition 4.3.3)

MATS Testing

Testing for MATS purposes must be conducted in accordance with the applicable requirements of 40CFR§63.7, 40CFR§63.10005, 40CFR§63.10006, 40CFR§63.10007, 40CFR§63.10009, and 40CFR§63.10011; and Tables 5, 6, and 7 to 40 CFR 63 Subpart UUUUU.

[45CSR34; 40CFR§63.7, 40CFR§63.10005, 40CFR§63.10006, 40CFR§63.10007, 40CFR§63.10009, and 40CFR§63.10011; and Tables 5, 6, and 7 to 40 CFR 63 Subpart UUUUU]

Recordkeeping Requirements

Records of monitored data established in the monitoring plan (see Appendix B) shall be maintained on site and shall be made available to the Secretary or his duly authorized representative upon request.

[45CSR§2-8.3.a.]

(Title V permit condition 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 Secretary or his duly authorized representative upon request.

[45CSR§2-8.3.c.]

(Title V permit condition 4.4.2)

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0 of R3-2735 (i.e., Units 1, 2, and 3 ESPs and FGDs), the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

[45CSR13 - Permit No. R13-2735 §4.4.2.]

(Title V permit condition 4.4.3)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0 of R3-2735 (i.e., Units 1, 2, and 3 ESPs and FGDs), the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13 - Permit No. R13-2735 §4.4.3.]

(Title V permit condition 4.4.4)

Retention of records related to the requirements Permit R13-2735. The permittee shall maintain records of all information (including monitoring data, support information, reports and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

[45CSR13 - Permit No. R13-2735 §3.4.1.]

(Title V permit condition 4.4.5)

MATS Recordkeeping

Records for MATS purposes must be developed and retained in accordance with the applicable requirements of 40CFR§63.10, 40CFR§63.10032 and 40CFR§63.10033.

[45CSR34; 40CFR§63.10, 40CFR§63.10032, and 40CFR§10033]

Reporting Requirements

The designated representative shall electronically report SO₂, NO_x, and CO₂ 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.

[45CSR33, 40 C.F.R. § 75.64]

(Title V permit condition 4.5.1)

A periodic exception report shall be submitted to the Secretary, in a manner and at a frequency to be established by the Secretary. Compliance with this periodic exception reporting requirement shall be demonstrated as outlined in sections I.A.5., I.C.4., II.A.4. and II.B.2. of the DAQ approved “45CSR2 Monitoring Plan” attached in Appendix B of this permit.

[45CSR§2-8.3.b.]

(Title V permit condition 4.5.2)

Excess opacity periods resulting from any malfunction of Unit 1, Unit 2, Unit 3 or Auxiliary boiler or their air pollution control equipment, meeting the following conditions, may be reported on a quarterly basis unless otherwise required by the Secretary:

- 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%).

[45CSR§2-9.3.a.]

(Title V permit condition 4.5.3)

Except as provided in permit condition 4.5.3. above, the owner or operator shall report to the Secretary by telephone, telefax, or e-mail any malfunction of Unit 1, Unit 2, Unit 3 or Auxiliary boiler or their associated air pollution control equipment, which results in any 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.

[45CSR§2-9.3.b.]

(Title V permit condition 4.5.4)

The permittee shall maintain on-site records of monitoring required under 4.2.6. and 4.2.7. for a period of five years and make these records available to the Secretary upon request. The permittee shall submit deviation reports on or before September 15 for the reporting period January 1 to June 30 and on or before March 15 for the reporting period July 1 to December 31. All required reports must be certified by a responsible official.

[45CSR13 - Permit No. R13-2735 §4.5.1.]

(Title V permit condition 4.5.5)

MATS Reporting

Reports and notifications for MATS purposes must be developed and submitted in accordance with the applicable requirements of 40CFR§63.9, 40CFR§63.10, 40CFR§63.10030, 40CFR§63.10031, and Table 8 to 40 CFR 63 Subpart UUUUU.

[45CSR34; 40CFR§63.9, 40CFR§63.10, 40CFR§63.10030, 40CFR§10031, and Table 8 to 40 CFR 63 Subpart UUUUU]

Acid Rain Program

Unit 1, Unit 2 and Unit 3 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 (Acid Rain Permit is included in Appendix C);
- 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 C.F.R. 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 C.F.R. Part 72, Subpart I and 40 C.F.R. Part 75.

[45CSR33, 40 C.F.R. Parts 72, 73, 74, 75, 76, 77, 78.]
(Title V permit condition 4.5.6)

[NOTE: The following NSPS Subpart Da requirements only apply to Units 1 and 2.]

NSPS Subpart Da Monitoring Requirements

The affected facility shall comply with the applicable emissions monitoring standards specified in 40 CFR§60.49Da.
[40CFR§60.49Da and 45CSR16]
(Title V permit condition 7.2.1)

NSPS Subpart Da Testing Requirements

Where applicable, the affected facility shall determine compliance by using the performance tests specified in 40 CFR §60.50Da including the following:

- 40CFR§60.50Da(b) for PM emission limit
- 40CFR§60.50Da(c) for SO₂ standards
- 40CFR§60.50Da(d) for NO_x standards

[40CFR§60.50Da and 45CSR16]
(Title V permit condition 7.3.1)

NSPS Subpart Da Reporting requirements

The affected facility shall comply with the applicable reporting requirements in of 40 CFR§60.51Da.
[40CFR§60.51Da and 45CSR16]
(Title V permit condition 7.4.1)

NSPS Subpart Da Recordkeeping requirements

The affected facility shall comply with the applicable recordkeeping requirements in of 40 CFR§60.52Da.
[40CFR§60.52Da and 45CSR16]
(Title V permit condition 7.5.1)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-AB-STG-1	Emission unit name: Sources for Emission Point MS4: MTST-00-AB-STG-1 – Auxiliary Boiler	List any control devices associated with this emission unit: None	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): The Emission Unit MTST-00-AB-STG-1 is the Auxiliary Boiler at the Mt. Storm Power Station. The auxiliary boiler has a design heat input of 150 mmBtu/hr.			
Manufacturer: Babcock & Wilcox	Model number:	Serial number: FM2943	
Construction date: 1982	Installation date: 1984	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): The auxiliary boiler has a heat input design capacity of 150 mmBtu/hr and a steam flow of 105,000 lb/hr			
Maximum Hourly Throughput: 876 hours (based on proposed permit limit; 10% capacity factor)	Maximum Annual Throughput: 876 hours (based on proposed permit limit; 10% capacity factor)	Maximum Operating Schedule: 8760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: The auxiliary boiler has a heat input design capacity of 150 mmBtu/hr.		Type and Btu/hr rating of burners: Not Available	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. The fuel type for the auxiliary boiler is No. 2 Fuel oil.			
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	0.3	varies	135,000 LHV

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	5.56	2.44
Nitrogen Oxides (NO _x)	26.67	11.69
Lead (Pb)	0.00	0.00
Particulate Matter (PM _{2.5})	0.28	0.12
Particulate Matter (PM ₁₀)	1.11	0.49
Total Particulate Matter (TSP)	2.22	0.97
Sulfur Dioxide (SO ₂)	47.33	20.75
Volatile Organic Compounds (VOC)	0.22	0.10
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.).

AP-42, Section 1.3 (5/2010)

Applicable Requirements

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

4.1.1. 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.

[45CSR§2-9.2.]

(Title V permit condition 4.1.1)

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.

[45CSR§2-4.4.]

(Title V permit condition 4.1.2)

Visible Emissions and Particulate Matter

Visible Emissions from the auxiliary boiler stack (*MS4e*) shall not exceed ten (10) percent opacity based on a six minute block average.

[45CSR§2-3.1.]

(Title V permit condition 4.1.14)

The visible emission standards shall apply at all times except in periods of start-ups, shutdowns and malfunctions.

[45CSR§2-9.1.]

(Title V permit condition 4.1.15)

Particulate matter emissions from the auxiliary boiler stack (*MS4e*) shall not exceed 13.5 lb/hr. The averaging time shall be a minimum of six (6) hours.

[45CSR§2-4.1.b., 45CSR2-Appendix §§ 4.1.b. & 4.1.c.]

(Title V permit condition 4.1.16)

Sulfur dioxide emissions from the auxiliary boiler stack (*MS4e*) shall not exceed 405 lb/hr.

[45CSR§§10-3.1. & 3.1.e.]

(Title V permit condition 4.1.17)

4.1.18. Compliance with the allowable sulfur dioxide emission limitations from the auxiliary boiler 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 (permit condition 4.1.17. above), 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.

[45CSR§10-3.8.]

(Title V permit condition 4.1.18)

Rule 13 Permit

The auxiliary boiler fuel use must not exceed 974,112 gallons per year.

[45CSR13 - Permit No. R13-656 – Proposed Revision]

(Title V permit condition 4.1.19)

The maximum percent sulfur in fuel oil shall not exceed 0.3.

[45CSR13 - Permit No. R13-656 Application Affected Source Sheet §2.B.(3)]

(Title V permit condition 4.1.20)

The permittee shall limit the annual capacity factor of the auxiliary boiler MTST-01-AB-SRG-1 to 974,112 gallons per year. Compliance with this limit shall allow the auxiliary boiler to be designated as a limited use boiler under 40 CFR Part 63 Subpart DDDDD requirements. The permittee must comply with these requirements no later than January 31, 2016, except as provided in 40 CF.R 63.6(i).

[40 CFR §63.7575]

 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 Requirements

Compliance with the visible emission requirements for *MS4e* shall be determined as outlined in section I.C.2. of the DAQ approved “45CSR2 Monitoring Plan” attached in Appendix B of this permit.

[45CSR§§2-3.2. & 8.2., 45CSR§2A-6]

(Title V permit condition 4.2.4)

Compliance with the auxiliary boiler’s (*MS4e*) particulate matter mass emission requirements and the operating and fuel usage requirements for the auxiliary boilers, shall be demonstrated as outlined in section I.C.3. of the DAQ approved “45CSR2 Monitoring Plan” attached in Appendix B of this permit.

[45CSR§§2-8.3.c., 8.4.a. & 8.4.a.1.]

(Title V permit condition 4.2.5)

Recordkeeping Requirements

Records of monitored data established in the monitoring plan (see Appendix B) shall be maintained on site and shall be made available to the Secretary or his duly authorized representative upon request.

[45CSR§2-8.3.a.]

(Title V permit Condition 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 Secretary or his duly authorized representative upon request.

[45CSR§2-8.3.c.]

(Title V permit condition 4.4.2)

To determine compliance with the requirements of 40 CFR Part 63 Subpart DDDDD, the permittee shall maintain records of the monthly fuel throughput for the No.2 fired auxiliary boiler. These records shall be maintained onsite for a period of not less than five (5) years and certified records shall be made available to the Director or a duly authorized representative of the Director upon request.

The permittee shall conduct an initial tune-up of the unit before January 31, 2016 and subsequent tune-ups once every 5 years thereafter in accordance with the applicable requirements of 40 CFR 63 Subpart DDDDD. Subsequent tune-ups shall be conducted no later than 61 months from the previous tune-up. If the unit is not operating on the required date for a tune-up, then the tune-up must be conducted within 30 calendar days of startup. Tune ups are required to be conducted in accordance with 63. 75(a)(10)(i) through (vi) and include the following:

- (i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may

- delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;
- (ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
 - (iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;
 - (iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x requirement to which the unit is subject;
 - (v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and
 - (vi) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section

[40 CFR §§63.7500(a)(1) & (c); §63.7505(a); §63.7510(e); §63.7515(d); §§63.7540(a)(10), (11) & (12); and Table 3 to Subpart DDDDD of Part 63 – Work Practice Standards]

The permittee shall keep records in accordance with 40 CFR §63. 7555. This includes but is not limited to the following information during the tune up:

- a. The concentrations of co in the effluent stream in parts per million by volume, and oxygen in the volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler. If concentrations of NO_x were taken during the tune-up of the unit, records of such measurement shall be included; and
- b. A description of any corrective actions taken as a part of the tune-up;

[40 CFR §§63.7540(a)(10)(vi) and §63.7555]

Reporting Requirements

A periodic exception report shall be submitted to the Secretary, in a manner and at a frequency to be established by the Secretary. Compliance with this periodic exception reporting requirement shall be demonstrated as outlined in sections I.A.5., I.C.4., II.A.4. and II.B.2. of the DAQ approved “45CSR2 Monitoring Plan” attached in Appendix B of this permit.

[45CSR§2-8.3.b.]

(Title V permit condition 4.5.2)

Excess opacity periods resulting from any malfunction of Unit 1, Unit 2, Unit 3 or Auxiliary boiler or their air pollution control equipment, meeting the following conditions, may be reported on a quarterly basis unless otherwise required by the Secretary:

- 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%).

[45CSR§2-9.3.a.]

(Title V permit condition 4.5.3)

Except as provided in permit condition 4.5.3. above, the owner or operator shall report to the Secretary by telephone, telefax, or e-mail any malfunction of Unit 1, Unit 2, Unit 3 or Auxiliary boiler or their associated air pollution control equipment, which results in any 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.

[45CSR§2-9.3.b.]

(Title V permit condition 4.5.4)

The permittee shall submit a "Notification of Compliance Status" for the auxiliary boiler to the Director before the close of business on the sixtieth (60th) day after completion of the initial compliance demonstration as required in 63.7530(f). Such "Notification of Compliance Status" shall be in accordance with 40 CFR 63.9(h)(2)(ii) and contain the information specified in 40 CFR 63.7545 (e)(I), and (8) which included a statement in the initial tune-up for boiler was completed.

[40 CFR §63.7530(d) and §63.7545(e)]

The permittee shall submit "5-year Compliance Reports" to the Director for the auxiliary boiler with the first report being submitted no later than January 31, 2016, and subsequent reports are due every 5 years from thereafter. Such reports shall contain the information specified in §§63.7550(c)(5) (1) through (iv) and (xiv) which are:

- a. Permittee and facility name, and address;
- b. Process unit information, emission limitations, and operating limitations;
- c. Date of report and beginning and ending dates of the reporting period;
- d. The total operating time during the reporting period for each affected unit;
- e. Include the date of the most recent tune-up for the boiler; and
- f. Include the date of the most recent burner inspection if it was not done biennially and was delayed until the next scheduled or unscheduled unit shutdown.

[40 CFR §§63.7550(b), (b)(1), (c)(1), & (c)(5)(i) through (iv) and (xiv)]

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-C1-CTG-T-1	Emission unit name: Sources for Emissions Point: MS5	List any control devices associated with this emission unit: None	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): The Emission Unit MTST-C1-CTG-T-1 is a combustion turbine at Mt. Storm Power Station. The combustion turbine has a design heat input of 230.2 mmBtu/hr. There is a summer brake horsepower rating of 16,080 and a winder brake horsepower rating of 21,440			
Manufacturer: Pratt & Whitney Aircraft Division	Model number: FT-4A-8LF	Serial number: 166188711 (Generator) P662081 (Gas Generator) 600052 (Free Turbine)	
Construction date: 1967	Installation date: 1967 (Commercial Operation)	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): MTST-C1-CTG-T-1 has a design capacity of 215.3 mmBtu/hr. CT- 2000 Gal/Hr (JP-1 Fuel)			
Maximum Hourly Throughput: 2000 Gal/Hr	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: MTST-C1-CTG-T-1 has a design capacity of 215.3 mmBtu/hr		Type and Btu/hr rating of burners: 8 burners- Can Annular	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Jet Fuel, JP-1 (Kerosene) - 2,000 gal/hr – 14,900.23 gal/hr			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Jet Fuel, JP-1	1.0%	0.005%	18,400

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.06	0.28
Nitrogen Oxides (NO _x)	189.46	829.85
Lead (Pb)	0.00	0.01
Particulate Matter (PM _{2.5})	2.58	11.32
Particulate Matter (PM ₁₀)	2.58	11.32
Total Particulate Matter (TSP)	2.58	11.32
Sulfur Dioxide (SO ₂)	65.24	285.73
Volatile Organic Compounds (VOC)	0.09	0.39
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Chromium	0.00	0.01
Manganese	0.17	0.74
Nickel	0.00	0.00
Mercury	0.00	0.00
Selenium	0.00	0.00
Cadmium	0.00	0.00
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
Arsenic	0.00	0.01
Beryllium	0.00	0.00
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 3.1-5 (4/2000)		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-EG-DG-1A MTST-00-EG-DG-1B	Emission unit name: Sources for Emissions Point: MS6 Emergency Diesel Generator 1A and 1B	List any control devices associated with this emission unit: None	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): The Emission Units MTST-00-EG-DG-1A and MTST-00-EG-DG-1B are the emergency diesel generators (1A and 1B) at Mt. Storm Power Station. The emergency diesel generators have a design heat input rating of 6.2 mmBtu/hr and a brake horsepower rating of 536.			
Manufacturer: General Motors / Delco	Model number: 7163-7000	Serial number: Not Available	
Construction date: 1963	Installation date: 1963	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Fuel consumption at full load is 31.3 gph of #2 diesel fuel. MTST-00-EG-DG-1A and MTST-00-EG-DG-1B have a design heat input rating of 4.38 mmBtu/hr.			
Maximum Hourly Throughput: 31.3 gph	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 500 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: The emergency diesel generators have a design heat input rating of 4.38 mmBtu/hr.		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. No. 2 Diesel Fuel			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
No. 2 Diesel Fuel	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions (per unit)	
	PPH	TPY
Carbon Monoxide (CO)	3.72E+00	9.31E-01
Nitrogen Oxides (NO _x)	1.40E+01	3.5E+00
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	2.13E-01	5.32E-02
Total Particulate Matter (TSP)	4.29E-01	1.07E-01
Sulfur Dioxide (SO ₂)	8.85E-01	2.21E-01
Volatile Organic Compounds (VOC)	3.60E-01	8.99E-02
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 3.4 (10/96)</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

(NOTE: These two emergency diesel generators are >500 hp each, existing sources under 40 CFR 63 Subpart ZZZZ, and located at a major source of HAPs. Therefore, they are subject to 40 CFR 63 Subpart ZZZZ but have no applicable requirements from those regulations.)

 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.*)

No emissions unit-specific applicable requirements for this source (see note above).

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			
<i>Emission Unit Description</i>			
Emission unit ID number: Communication Tower	Emission unit name: MS-79 Propane emergency generator at Communication Tower	List any control devices associated with this emission unit: None	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): This 41-hp propane-fired emergency generator is associated with a communications tower owned by Dominion on the Mt. Storm station property. The design fuel throughput is approximately 120 cubic feet per hour of propane.			
Manufacturer: Kohler	Model number: 20RZ	Serial number: Unk.	
Construction date: NA	Installation date: 3Q 2000	Modification date(s): NA	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 120 cubic feet propane per hour at maximum load			
Maximum Hourly Throughput: 120 cubic feet propane per hour	Maximum Annual Throughput: 0.06 mm cubic feet/year	Maximum Operating Schedule: 500 hours/year	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: 41 hp		Type and Btu/hr rating of burners: NA - RICE	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Propane: 120 cu.ft/hour and 0.06 mm cu.ft./year			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Propane	Neg.	Neg.	2,570 Btu/cf

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	1.15	0.29
Nitrogen Oxides (NO _x)	0.68	0.17
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)	0.003	0.001
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)	0.0002	0.00005
Volatile Organic Compounds (VOC)	0.01	0.002
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Benzene	0.0005	0.00012
Ethylbenzene	0.00001	1.91E-06
Toluene	0.0002	4.30E-05
Xylenes	0.0001	1.50E-05
Formaldehyde	0.0063	0.0015
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 are as calculated in G-60C permit application.

Applicable Requirements

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

Emission Limitations

Emission Unit	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
Communication Tower (Existing Generator Engine, 41 Hp)	NO _x	0.68	0.17
	CO	1.15	0.29
	VOC	0.01	0.01

[45CSR13, G60-C056A General Permit Registration, Emission Limitations; and G60-C, condition 5.1.2.]
(Title V permit condition 8.1.1)

The following sections of Class II General Permit G60-C apply to the registrant:

Section 5 Reciprocating Internal Combustion Engines (R.I.C.E.) (Communication Tower)

[45CSR13, G60-C056A General Permit Registration]
(Title V permit condition 8.1.2)

For the existing emergency stationary CI and SI RICE < 500hp located at a major source of HAP emissions, the permittee shall comply with the following requirements from Table 2c of 40 C.F.R. 63 Subpart ZZZZ.

- Change oil and filter every 500 hours of operation or annually, whichever comes first.
- Inspect spark plugs 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.
- Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

[45CSR34; 40 C.F.R. §63.6602; Table 2c of 40 C.F.R. 63 Subpart ZZZZ]
(Title V permit condition 8.1.3)

The permittee must comply with the general compliance requirements of 40 C.F.R. §63.6605.

[45CSR34; 40 C.F.R. §63.6605]
(Title V permit condition 8.1.4)

The permittee must comply with the general provisions of 40 C.F.R. 63 as shown in Table 8 of 40 C.F.R. 63 Subpart ZZZZ except for the following which do not apply as per 40 C.F.R. §63.6645(a)(5): 40 C.F.R. §§ 63.7(b) and (c), 40 C.F.R. §§ 63.8(e), (f)(4), and (f)(6), and 40 C.F.R. §§ 63.9(b)-(e), (g) and (h).

[45CSR34; 40 C.F.R. §63.6665, 40 C.F.R. §63.6645(a)(5), Table 8 of 40 C.F.R. 63 Subpart ZZZZ]
(Title V permit condition 8.1.5)

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be

considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

- (1) There is no time limit on the use of emergency stationary RICE in emergency situations.
- (2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).
 - (i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.
 - (ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.
 - (iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.
- (3) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

Table 6 to Subpart ZZZZ of Part 63—Continuous Compliance With Emission Limitations, and Other Requirements

As stated in §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

9. Existing emergency and black start stationary RICE ≤500 HP located at a major source of HAP...	a. Work or Management practices	i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions
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**[45CSR34; 40 C.F.R. §§63.6640(a), (f) and Table 6]
(Title V permit condition 8.1.6)**

☒ Permit Shield

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

The permittee must comply with the following applicable monitoring requirements of 40 C.F.R. 63 Subpart ZZZZ: 40 C.F.R. §§ 63.6625(e), (f), (h), and (i).

**[45CSR34; 40 C.F.R. § 63.6625]
(Title V permit condition 8.2.3)**

The permittee must comply with the recordkeeping requirements of 40 C.F.R. §63.6655 with the exception of 40 C.F.R. §63.6655(c) which does not apply.

**[45CSR34; 40 C.F.R. §§63.6655 (a), (b), (d), (e), & (f)]
(Title V permit condition 8.4.3)**

The permittee must comply with the reporting requirements of 40 C.F.R. §§63.6650(e) and (h).

**[45CSR34; 40 C.F.R. §§63.6650(e) and(h)]
(Title V permit condition 8.5.3)**

If the emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2c of 40 C.F.R. 63 Subpart ZZZZ, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

**[45CSR34; Footnote 1 of Table 2c of 40 C.F.R. 63 Subpart ZZZZ]
(Title V permit condition 8.5.4)**

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

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number: SW-EG-1 SW-EG-2 SW-EG-3 SW-EG-4 SW-EG-5	Emission unit name: MS80 MS81 MS82 MS83 MS84 Propane emergency generators at electrical switchyard	List any control devices associated with this emission unit: None	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): SW-EG-1, SW-EG-2, and SW-EG-3 are three (3) identical 224-hp propane-fired emergency generators. SW-EG-4 and SW-EG-5 are two (2) identical 227-hp propane-fired emergency generators. All five (5) generators are associated with the electrical switchyard at the Mt. Storm station property.			
Manufacturer: SW-EG-1, 2, and 3: Generac SW-EG-4 and 5: Kohler	Model number: SW-EG-1, 2, and 3: MG150 SW-EG-4 and 5: 150REZGC	Serial number: Unk.	
Construction date: 2013 models (all)	Installation date: 1Q 2014 (all)	Modification date(s): NA	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): SW-EG-1, 2, and 3: 853 cubic feet propane per hour at maximum load SW-EG-4 and 5: 713 cubic feet propane per hour at maximum load			
Maximum Hourly Throughput: SW-EG-1, 2, and 3: 853 ft ³ /hr SW-EG-4 and 5: 713 ft ³ /hr	Maximum Annual Throughput: SW-EG-1, 2, and 3: 0.43 mm ft ³ /hr SW-EG-4 and 5: 0.36 mm ft ³ /hr	Maximum Operating Schedule: 500 hours/year (all)	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: SW-EG-1, 2, and 3: 224 hp SW-EG-4 and 5: 227 hp		Type and Btu/hr rating of burners: NA - RICE	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Propane: SW-EG-1, 2, and 3: 853 cu.ft/hour and 0.43 mm cu.ft./year (each) SW-EG-4 and 5: 713 cu.ft/hour and 0.36 mm cu.ft./year (each)			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Propane	Neg.	Neg.	2,570 Btu/cf

Emissions Data		
Criteria Pollutants	Potential Emissions (all five generators)	
	PPH	TPY
Carbon Monoxide (CO)	5.02	1.26
Nitrogen Oxides (NO _x)	2.80	0.70
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)	0.10	0.02
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)	0.002	0.0006
Volatile Organic Compounds (VOC)	(incl. with NO _x)	(incl. with NO _x)
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Benzene	0.0044	0.0011
Ethylbenzene	3.96E-04	9.89E-05
Toluene	0.0041	0.0010
Xylenes	0.0018	0.0005
n-Hexane	0.011	0.0028
Formaldehyde	0.526	0.132
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 are as calculated in G-60C permit application.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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 Limits

Emission Unit	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
SW-EG-1	NO _x + HC	0.99	0.25
	CO	1.62	0.41
SW-EG-2	NO _x + HC	0.99	0.25
	CO	1.62	0.41
SW-EG-3	NO _x + HC	0.99	0.25
	CO	1.62	0.41
SW-EG-4	NO _x + HC	0.08	0.02
	CO	0.46	0.12
SW-EG-5	NO _x + HC	0.08	0.02
	CO	0.46	0.12

[45CSR13, G60-C056A General Permit Registration, Emission Limitations; and G60-C, condition 5.1.2.]
(Title V permit condition 8.1.1)

The following sections of Class II General Permit G60-C apply to the registrant:

Section 8 Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40 C.F.R. 60 Subpart JJJJ) (SW-EG-1, SW-EG-2, SW-EG-3, SW-EG-4, SW-EG-5)

[45CSR13, G60-C056A General Permit Registration]
(Title V permit condition 8.1.2)

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

Monitoring Requirements

For SW-EG-1, SW-EG-2, SW-EG-3, SW-EG-4, SW-EG-5, see Sections 5 and 8 of Class II Emergency Generator General Permit G60-C (Appendix E)

[45CSR34; 40 C.F.R. § 63.6625]
(Title V permit condition 8.2.1)

Testing Requirements

For SW-EG-1, SW-EG-2, SW-EG-3, SW-EG-4, SW-EG-5, see Sections 5 and 8 of Class II Emergency Generator General Permit G60-C (Appendix E)

(Title V permit condition 8.3.1)

Recordkeeping Requirements

For SW-EG-1, SW-EG-2, SW-EG-3, SW-EG-4, SW-EG-5, see Sections 5 and 8 of Class II Emergency Generator General Permit G60-C (Appendix E).

(Title V permit condition 8.4.1)

Reporting Requirements

For SW-EG-1, SW-EG-2, SW-EG-3, SW-EG-4, SW-EG-5, see Sections 5 and 8 of Class II Emergency Generator General Permit G60-C (Appendix E)

(Title V permit condition 8.5.1)

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	Emission unit name:	List any control devices associated with this emission unit:
MTST-00-CS-CYS-1 MTST-00-CS-CYS-2 MTST-00-CS-FDR-VB1 MTST-00-CS-FDR-N1 MTST-00-CS-FDR-N2 MTST-00-CS-FDR-VB2 MTST-00-CS-FDR-N3 MTST-00-CS-FDR-N4 MTST-00-CS-FDR-VB3 MTST-00-CS-FDR-VB4 MTST-00-CS-FDR-N5 MTST-00-CS-FDR-N6 MTST-00-CS-FDR-VB5 MTST-00-CS-FDR-N7 MTST-00-CS-FDR-N8 MTST-00-CS-FDR-VB6 MTST-00-CS-CNV-S2	Sources for Emission Point MS7 (Coal silos and associated conveyors)	MTST-00-CS-CYS-1 - FE MTST-00-CS-CYS-2 - FE MTST-00-CS-FDR-VB1 - FE MTST-00-CS-FDR-N1 - FE MTST-00-CS-FDR-N2 - FE MTST-00-CS-FDR-VB2 - FE MTST-00-CS-FDR-N3 - FE MTST-00-CS-FDR-N4 - FE MTST-00-CS-FDR-VB3 - FE MTST-00-CS-FDR-VB4 - FE MTST-00-CS-FDR-N5 - FE MTST-00-CS-FDR-N6 - FE MTST-00-CS-FDR-VB5 - FE MTST-00-CS-FDR-N7 - FE MTST-00-CS-FDR-N8 - FE MTST-00-CS-FDR-VB6 - FE MTST-00-CS-CNV-S2 - FE

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

MTST-00-CS-CYS-1: Coal Silo #1
MTST-00-CS-CYS-2: Coal Silo #2
MTST-00-CS-FDR-VB1: Feeder from Silo #1 to Conveyor MTST-00-CS-CNV-P1
MTST-00-CS-FDR-N1: Feeder from Silo #1 to Conveyor MTST-00-CS-CNV-P1
MTST-00-CS-FDR-N2: Feeder from Silo #1 to Conveyor MTST-00-CS-CNV-P1
MTST-00-CS-FDR-VB2: Feeder from Silo #1 to Conveyor MTST-00-CS-CNV-P1
MTST-00-CS-FDR-N3: Feeder from Silo #1 to Conveyor MTST-00-CS-CNV-P1
MTST-00-CS-FDR-N4: Feeder from Silo #1 to Conveyor MTST-00-CS-CNV-P1
MTST-00-CS-FDR-VB3: Feeder from Silo #1 to Conveyor MTST-00-CS-CNV-P1
MTST-00-CS-FDR-VB4: Feeder from Silo #2 to Conveyor MTST-00-CS-CNV-P1
MTST-00-CS-FDR-N5: Feeder from Silo #2 to Conveyor MTST-00-CS-CNV-P1
MTST-00-CS-FDR-N6: Feeder from Silo #2 to Conveyor MTST-00-CS-CNV-P1
MTST-00-CS-FDR-VB5: Feeder from Silo #2 to Conveyor MTST-00-CS-CNV-P1
MTST-00-CS-FDR-N7: Feeder from Silo #2 to Conveyor MTST-00-CS-CNV-P1
MTST-00-CS-FDR-N8: Feeder from Silo #2 to Conveyor MTST-00-CS-CNV-P1
MTST-00-CS-FDR-VB6: Feeder from Silo #2 to Conveyor MTST-00-CS-CNV-P1
MTST-00-CS-CNV-S2: Coal Conveyor MTST-00-CS-CNV-S2 to Silo's CTST-00-CS-CYS-1 and 2

Manufacturer: MTST-00-CS-CYS-1: N/A MTST-00-CS-CYS-2: N/A MTST-00-CS-FDR-VB1: Sedgman (2006) MTST-00-CS-FDR-N1: N/A MTST-00-CS-FDR-N2: N/A MTST-00-CS-FDR-VB2: Sedgman (2006) MTST-00-CS-FDR-N3: N/A MTST-00-CS-FDR-N4: N/A MTST-00-CS-FDR-VB3: Sedgman (2006) MTST-00-CS-FDR-VB4: Sedgman (2006) MTST-00-CS-FDR-N5: N/A MTST-00-CS-FDR-N6: N/A MTST-00-CS-FDR-VB5: Sedgman (2006) MTST-00-CS-FDR-N7: N/A MTST-00-CS-FDR-N8: N/A MTST-00-CS-FDR-VB6: Sedgman (2006) MTST-00-CS-CNV-S2: N/A	Model number: MTST-00-CS-CYS-1: N/A MTST-00-CS-CYS-2: N/A MTST-00-CS-FDR-VB1: 2023-0801 MTST-00-CS-FDR-N1: N/A MTST-00-CS-FDR-N2: N/A MTST-00-CS-FDR-VB2: 2023-0801 MTST-00-CS-FDR-N3: N/A MTST-00-CS-FDR-N4: N/A MTST-00-CS-FDR-VB3: 2023-0801 MTST-00-CS-FDR-VB4: 2023-0801 MTST-00-CS-FDR-N5: N/A MTST-00-CS-FDR-N6: N/A MTST-00-CS-FDR-VB5: 2023-0801 MTST-00-CS-FDR-N7: N/A MTST-00-CS-FDR-N8: N/A MTST-00-CS-FDR-VB6: 2023-0801 MTST-00-CS-CNV-S2: N/A	Serial number: MTST-00-CS-CYS-1: N/A MTST-00-CS-CYS-2: N/A MTST-00-CS-FDR-VB1: 2023-0801 MTST-00-CS-FDR-N1: N/A MTST-00-CS-FDR-N2: N/A MTST-00-CS-FDR-VB2: 2023-0801 MTST-00-CS-FDR-N3: N/A MTST-00-CS-FDR-N4: N/A MTST-00-CS-FDR-VB3: 2023-0801 MTST-00-CS-FDR-VB4: 2023-0801 MTST-00-CS-FDR-N5: N/A MTST-00-CS-FDR-N6: N/A MTST-00-CS-FDR-VB5: 2023-0801 MTST-00-CS-FDR-N7: N/A MTST-00-CS-FDR-N8: N/A MTST-00-CS-FDR-VB6: 2023-0801 MTST-00-CS-CNV-S2: N/A
Construction date: MTST-00-CS-CYS-1: 1972 MTST-00-CS-CYS-2: 1972 MTST-00-CS-FDR-VB1: 1996 MTST-00-CS-FDR-N1: 1996 MTST-00-CS-FDR-N2: 1996 MTST-00-CS-FDR-VB2: 1996 MTST-00-CS-FDR-N3: 1996 MTST-00-CS-FDR-N4: 1996 MTST-00-CS-FDR-VB3: 1996 MTST-00-CS-FDR-VB4: 1996 MTST-00-CS-FDR-N5: 1996 MTST-00-CS-FDR-N6: 1996 MTST-00-CS-FDR-VB5: 1996 MTST-00-CS-FDR-N7: 1996 MTST-00-CS-FDR-N8: 1996 MTST-00-CS-FDR-VB6: 1996 MTST-00-CS-CNV-S2: 1996	Installation date: MTST-00-CS-CYS-1: 1972 MTST-00-CS-CYS-2: 1972 MTST-00-CS-FDR-VB1: 1996 MTST-00-CS-FDR-N1: 1996 MTST-00-CS-FDR-N2: 1996 MTST-00-CS-FDR-VB2: 1996 MTST-00-CS-FDR-N3: 1996 MTST-00-CS-FDR-N4: 1996 MTST-00-CS-FDR-VB3: 1996 MTST-00-CS-FDR-VB4: 1996 MTST-00-CS-FDR-N5: 1996 MTST-00-CS-FDR-N6: 1996 MTST-00-CS-FDR-VB5: 1996 MTST-00-CS-FDR-N7: 1996 MTST-00-CS-FDR-N8: 1996 MTST-00-CS-FDR-VB6: 1996 MTST-00-CS-CNV-S2: 1996	Modification date(s): MTST-00-CS-CYS-1: 2006 MTST-00-CS-CYS-2: 2006 MTST-00-CS-FDR-VB1: 2006 MTST-00-CS-FDR-N1: 2006 MTST-00-CS-FDR-N2: 2006 MTST-00-CS-FDR-VB2: 2006 MTST-00-CS-FDR-N3: 2006 MTST-00-CS-FDR-N4: 2006 MTST-00-CS-FDR-VB3: 2006 MTST-00-CS-FDR-VB4: 2006 MTST-00-CS-FDR-N5: 2006 MTST-00-CS-FDR-N6: 2006 MTST-00-CS-FDR-VB5: 2006 MTST-00-CS-FDR-N7: 2006 MTST-00-CS-FDR-N8: 2006 MTST-00-CS-FDR-VB6: 2006 MTST-00-CS-CNV-S2: 2006

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): MTST-00-CS-CYS-1: 10,000 Ton MTST-00-CS-CYS-2: 10,000 Ton MTST-00-CS-FDR-VB1: 400 TPH MTST-00-CS-FDR-N1: 400 TPH MTST-00-CS-FDR-N2: 400 TPH MTST-00-CS-FDR-VB2: 400 TPH MTST-00-CS-FDR-N3: 400 TPH MTST-00-CS-FDR-N4: 400 TPH MTST-00-CS-FDR-VB3: 400 TPH MTST-00-CS-FDR-VB4: 400 TPH MTST-00-CS-FDR-N5: 400 TPH MTST-00-CS-FDR-N6: 400 TPH MTST-00-CS-FDR-VB5: 400 TPH MTST-00-CS-FDR-N7: 400 TPH MTST-00-CS-FDR-N8: 400 TPH MTST-00-CS-FDR-VB6: 400 TPH MTST-00-CS-CNV-S2: 1200 TPH		
Maximum Hourly Throughput: MTST-00-CS-CYS-1: 1200 TPH MTST-00-CS-CYS-2: 1200 TPH MTST-00-CS-FDR-VB1: 400 TPH MTST-00-CS-FDR-N1: 400 TPH MTST-00-CS-FDR-N2: 400 TPH MTST-00-CS-FDR-VB2: 400 TPH MTST-00-CS-FDR-N3: 400 TPH MTST-00-CS-FDR-N4: 400 TPH MTST-00-CS-FDR-VB3: 400 TPH MTST-00-CS-FDR-VB4: 400 TPH MTST-00-CS-FDR-N5: 400 TPH MTST-00-CS-FDR-N6: 400 TPH MTST-00-CS-FDR-VB5: 400 TPH MTST-00-CS-FDR-N7: 400 TPH MTST-00-CS-FDR-N8: 400 TPH MTST-00-CS-FDR-VB6: 400 TPH MTST-00-CS-CNV-S2: 1200 TPH	Maximum Annual Throughput: MTST-00-CS-CYS-1: 3,000,000 TPY MTST-00-CS-CYS-2: 3,000,000 TPY MTST-00-CS-FDR-VB1: 3,000,000 TPY MTST-00-CS-FDR-N1: 3,000,000 TPY MTST-00-CS-FDR-N2: 3,000,000 TPY MTST-00-CS-FDR-VB2: 3,000,000 TPY MTST-00-CS-FDR-N3: 3,000,000 TPY MTST-00-CS-FDR-N4: 3,000,000 TPY MTST-00-CS-FDR-VB3: 3,000,000 TPY MTST-00-CS-FDR-VB4: 3,000,000 TPY MTST-00-CS-FDR-N5: 3,000,000 TPY MTST-00-CS-FDR-N6: 3,000,000 TPY MTST-00-CS-FDR-VB5: 3,000,000 TPY MTST-00-CS-FDR-N7: 3,000,000 TPY MTST-00-CS-FDR-N8: 3,000,000 TPY MTST-00-CS-FDR-VB6: 3,000,000 TPY MTST-00-CS-CNV-S2: 3,000,000 TPY	Maximum Operating Schedule: MTST-00-CS-CYS-1: 8760 HPY MTST-00-CS-CYS-2: 8760 HPY MTST-00-CS-FDR-VB1: 8760 HPY MTST-00-CS-FDR-N1: 8760 HPY MTST-00-CS-FDR-N2: 8760 HPY MTST-00-CS-FDR-VB2: 8760 HPY MTST-00-CS-FDR-N3: 8760 HPY MTST-00-CS-FDR-N4: 8760 HPY MTST-00-CS-FDR-VB3: 8760 HPY MTST-00-CS-FDR-VB4: 8760 HPY MTST-00-CS-FDR-N5: 8760 HPY MTST-00-CS-FDR-N6: 8760 HPY MTST-00-CS-FDR-VB5: 8760 HPY MTST-00-CS-FDR-N7: 8760 HPY MTST-00-CS-FDR-N8: 8760 HPY MTST-00-CS-FDR-VB6: 8760 HPY MTST-00-CS-CNV-S2: 8760 HPY
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.04	0.12
Total Particulate Matter (TSP)	0.08	0.26
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>
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Applicable Requirements

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

The maximum throughput of the Coal Truck Unloading Facility, originally constructed in 1996, shall not exceed 1,200 TPH and 3,000,000 TPY. The Facility shall consist of the two truck dumps (MTST-00-BLD), four collection bins, four vibratory feeders (MTST-00-CS-FDR-S1, 2, 3, & 4), a tube style reclaim conveyor (MTST-00-CS-CNV-S1a, MTST-00-CS-CNV-S1b), a transfer conveyor (MTST-00-CS-CNV-S2), existing Silo #1 (MTST-00-CS-CYS-1), existing Silo #2 (MTST-00-CS-CYS-2), existing belt feeders (MTST-00-CS-FDRVB1, 2, 3, 4, 5, & 6 and MTST-00-CS-FDR-N1, 2, 3, 4, 5, & 6), and existing conveyor "P" (MTST-00-CSCNV-P-1, MTST-00-CS-CNV-P-2).

[45CSR13, R13-2034, 4.1.1.]

(Title V permit condition 5.1.1)

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
DP6	Conveyor S-2 to Silo	Transfer point inside a fully enclosed silo
DP7	Silos to Belt Feeders	Transfer point is fully enclosed and is located inside a fully enclosed silo.
DP8	Belt Feeders to Conveyor P-1	Transfer point is fully enclosed and is located inside a full enclosure underneath the silos.

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]

(Title V permit condition 5.1.2)

In accordance with the information filed in Permit Application R13-2034, the 0.600 mile haul road connecting State Route 93 to the Coal Truck Unloading Facility, as defined in condition 5.1.1., shall be paved. Fugitive emissions from the haul road to the Coal Truck Unloading Facility shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.2.]

(Title V permit condition 5.1.3)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.568 miles of the Ash Haulroad, resulting in a total of 1.168 miles of paved Ash Haul road and 0.497 miles of unpaved Ash Haulroad. Fugitive emissions from the Ash Haulroad shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.3.]

(Title V permit condition 5.1.4)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.0644 miles of the FGD By-Product Disposal Route, resulting in a total FGD By-Product Disposal Route of 0.9000 miles of paved road and no unpaved road. Fugitive emissions from the FGD By-Product Disposal Route shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.4.]

(Title V permit condition 5.1.5)

The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from haulroads and other work areas where mobile equipment is used.

The spraybar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haulroads and work areas where mobile equipment is used.

[45CSR13, R13-2034, 4.1.5.]

(Title V permit condition 5.1.6)

At all times except during periods of startup, shutdown, and malfunctions the visible emissions shall not exceed twenty percent (20%) opacity from the following equipment: coal conveyors, MTST-00-CS-CNV-R, -Q, -C2, -D, -H2, -J, -G, -C1, -H1, -S1a, S1b, -S3a, & -S2, the primary crushers MTST-00-CS-CRH-4 & -5, and the sample crushers MTST-00-CSS-CRH-B. In determining compliance with the particulate matter standard for opacity, Method 9 and the procedures in 40 C.F.R. § 60.11 shall be employed.

[45CSR16, 40 C.F.R. § 60.11 (c), 40 C.F.R. § 60.254 (a)]

(Title V permit condition 5.1.9)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [coal equipment as listed in condition 5.1.9.] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11 (d)]

(Title V permit condition 5.1.10)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]

(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]

(Title V permit condition 5.1.12)

 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.)

The emission points (i.e., enclosure openings as applicable) from the coal equipment as listed in Section 5.1.9 shall be observed visually by an individual trained (not necessarily certified) per Method 22 at least each calendar month during periods of normal facility operation for a sufficient time interval to determine if any visible emissions are present. If visible emissions are observed for three (3) consecutive monthly observations, Method 9 tests (requires a certified observer) shall be conducted on those emission points having visible emissions within 48 hours or as soon as practicable from the last Method 22-like observation revealing visible emissions. The Method 9 tests shall be conducted during periods of normal facility operation. If any Method 9 test indicates opacity greater than 80% of the allowable visible emission requirement, Method 9 tests shall be conducted each calendar month for those emission points exceeding 80%. If any Method 9 test indicates opacity less than or equal to 80% of the allowable limit, the monthly Method 22-like observations may resume as previously described.

[45CSR§30-5.1.c.]

(Title V permit condition 5.3.1)

A record of each visible emissions observation as required in Section 5.3.1. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR§30-5.1.c.]

(Title V permit condition 5.4.2)

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 5.1.2, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

[45CSR13, R13-2034, 4.4.2.]

(Title V permit condition 5.4.3)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 5.1.2, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2034, 4.4.3.]

(Title V permit condition 5.4.4)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-CS-CNV-P1	Emission unit name: Source for Emission point MS8	List any control devices associated with this emission unit: Full Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Conveyor that collects coal from the silo discharge feeders as well as MTST-00-CS-CNV-T. MTST-00-CS-CNV-P1 feeds conveyor MTST-00-CS-CNV-P2.			
Manufacturer: Sedgman	Model number: 2023-0901	Serial number: 2023-0901	
Construction date: 1972	Installation date: 1972	Modification date(s): 2006	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,600 TPH			
Maximum Hourly Throughput: 1,600 TPH	Maximum Annual Throughput: 3,000,000 TPY	Maximum Operating Schedule: 8,760 HPY	
<i>Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE</i>			
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.02
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

AP-42 Section 13.2.4, 11/06

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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 this source.

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 this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-CS-CNV-Q	Emission unit name: Sources for Emission Point MS9	List any control devices associated with this emission unit: Full Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Coal conveyor from transfer house to primary crushers MTST-00-CS-CRH-4 or MTST-00-CS-CRH-5 or bypass chutes MTST-00-CS-CHT-C2BP and H2BP			
Manufacturer: Mid-West Conveyor Company	Model number: N/A	Serial number: N/A	
Construction date: 1972	Installation date: 1972	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,200TPH			
Maximum Hourly Throughput: 1,200TPH	Maximum Annual Throughput: 4,500,000 tons	Maximum Operating Schedule: 8,760 hours	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.01	0.03
Total Particulate Matter (TSP)	0.01	0.05
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

At all times except during periods of startup, shutdown, and malfunctions the visible emissions shall not exceed twenty percent (20%) opacity from the following equipment: coal conveyors, MTST-00-CS-CNV-R, -Q, -C2, -D, -H2, -J, -G, -C1, -H1, -S1a, S1b, -S3a, & -S2, the primary crushers MTST-00-CS-CRH-4 & -5, and the sample crushers MTST-00-CSS-CRH-B. In determining compliance with the particulate matter standard for opacity, Method 9 and the procedures in 40 C.F.R. § 60.11 shall be employed.

**[45CSR16, 40 C.F.R. § 60.11 (c), 40 C.F.R. § 60.254 (a)]
(Title V permit condition 5.1.9)**

At all times, including periods of startup, shutdown, and malfunction, any affected facility [coal equipment as listed in Section 5.1.9.] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions.

Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

**[45CSR16, 40 C.F.R. § 60.11 (d)]
(Title V permit condition 5.1.10)**

 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.)

The emission points (i.e., enclosure openings as applicable) from the coal equipment as listed in Section 5.1. 9 shall be observed visually by an individual trained (not necessarily certified) per Method 22 at least each calendar month during periods of normal facility operation for a sufficient time interval to determine if any visible emissions are present. If visible emissions are observed for three (3) consecutive monthly observations, Method 9 tests (requires a certified observer) shall be conducted on those emission points having visible emissions within 48 hours or as soon as practicable from the last Method 22-like observation revealing visible emissions. The Method 9 tests shall be conducted during periods of normal facility operation. If any Method 9 test indicates opacity greater than 80% of the allowable visible emission requirement, Method 9 tests shall be conducted each calendar month for those emission points exceeding 80%. If any Method 9 test indicates opacity less than or equal to 80% of the allowable limit, the monthly Method 22-like observations may resume as previously described.

**[45CSR§30-5.1.c.]
(Title V permit condition 5.3.1)**

A record of each visible emissions observation as required in Section 5.3.1. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

**[45CSR§30-5.1.c.]
(Title V permit condition 5.4.2)**

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: MTST-00-CS-CRH-4 MTST-00-CS-CRH-5 MTST-00-CS-CHT-C2BP MTST-00-CS-CHT-H2BP MTST-00-CS-CNV-C1 MTST-00-CS-CNV-H1	Emission unit name: Sources for Emission Point MS10	List any control devices associated with this emission unit: MTST-00-CS-CRH-4: FE MTST-00-CS-CRH-5: FE MTST-00-CS-CHT-C2BP: FE MTST-00-CS-CHT-H2BP: FE MTST-00-CS-CNV-C1: UG/FE MTST-00-CS-CNV-H1: UG/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): MTST-00-CS-CRH-4: Primary crusher #4 to conveyor MTST-00-CS-CNV-C2 MTST-00-CS-CRH-5: Primary crusher #5 to conveyor MTST-00-CS-CNV-H2 MTST-00-CS-CHT-C2BP: #4 crusher bypass chute to MTST-00-CS-CNV-C2 MTST-00-CS-CHT-H2BP: #5 crusher bypass chute to MTST-00-CS-CNV-H2 MTST-00-CS-CNV-C1: Reclaim conveyor to primary crusher #4 MTST-00-CS-CNV-H1: Reclaim conveyor to primary crusher #5		
Manufacturer: MTST-00-CS-CNV-C1: Mid West Conveyor Co. MTST-00-CS-CNV-H1: Mid West Conveyor Co.	Model number: N/A	Serial number: N/A
Construction date: MTST-00-CS-CRH-4: 1985 MTST-00-CS-CRH-5: 1985 MTST-00-CS-CHT-C2BP: 1972 MTST-00-CS-CHT-H2BP: 1972 MTST-00-CS-CNV-C1: 1985 MTST-00-CS-CNV-H1: 1985	Installation date: MTST-00-CS-CRH-4: 1985 MTST-00-CS-CRH-5: 1985 MTST-00-CS-CHT-C2BP: 1972 MTST-00-CS-CHT-H2BP: 1972 MTST-00-CS-CNV-C1: 1985 MTST-00-CS-CNV-H1: 1985	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): MTST-00-CS-CRH-4: 1200 TPH MTST-00-CS-CRH-5: 1200 TPH MTST-00-CS-CHT-C2BP: 800 TPH MTST-00-CS-CHT-H2BP: 800 TPH MTST-00-CS-CNV-C1: 1200 TPH MTST-00-CS-CNV-H1: 1200 TPH		
Maximum Hourly Throughput: MTST-00-CS-CRH-4: 1200 TPH MTST-00-CS-CRH-5: 1200 TPH MTST-00-CS-CHT-C2BP: 800 TPH MTST-00-CS-CHT-H2BP: 800 TPH MTST-00-CS-CNV-C1: 1200 TPH MTST-00-CS-CNV-H1: 1200 TPH	Maximum Annual Throughput: MTST-00-CS-CRH-4: 2,127,600 tons MTST-00-CS-CRH-5: 2,127,600 tons MTST-00-CS-CHT-C2BP: 2,127,600 tons MTST-00-CS-CHT-H2BP: 2,127,600 tons MTST-00-CS-CNV-C1: 2,127,600 tons MTST-00-CS-CNV-H1: 2,127,600 tons	Maximum Operating Schedule: 8760 hours

Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.50	0.94
Total Particulate Matter (TSP)	1.49	2.79
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

AP-42 Section 11.24.2, 08/82
AP-42 Section 13.2.4, 11/06

Applicable Requirements

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

At all times except during periods of startup, shutdown, and malfunctions the visible emissions shall not exceed twenty percent (20%) opacity from the following equipment: coal conveyors, MTST-00-CS-CNV-R, -Q, -C2, -D, -H2, -J, -G, -C1, -H1, -S1a, S1b, -S3a, & -S2, the primary crushers MTST-00-CS-CRH-4 & -5, and the sample crushers MTST-00-CSS-CRH-B. In determining compliance with the particulate matter standard for opacity, Method 9 and the procedures in 40 C.F.R. § 60.11 shall be employed.

[45CSR16, 40 C.F.R. § 60.11 (c), 40 C.F.R. § 60.254 (a)]

(Title V permit condition 5.1.9)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [coal equipment as listed in Section 5.1.9.] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions.

Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11 (d)]

(Title V permit condition 5.1.10)

 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.)

The emission points (i.e., enclosure openings as applicable) from the coal equipment as listed in Section 5.1. 9 shall be observed visually by an individual trained (not necessarily certified) per Method 22 at least each calendar month during periods of normal facility operation for a sufficient time interval to determine if any visible emissions are present. If visible emissions are observed for three (3) consecutive monthly observations, Method 9 tests (requires a certified observer) shall be conducted on those emission points having visible emissions within 48 hours or as soon as practicable from the last Method 22-like observation revealing visible emissions. The Method 9 tests shall be conducted during periods of normal facility operation. If any Method 9 test indicates opacity greater than 80% of the allowable visible emission requirement, Method 9 tests shall be conducted each calendar month for those emission points exceeding 80%. If any Method 9 test indicates opacity less than or equal to 80% of the allowable limit, the monthly Method 22-like observations may resume as previously described.

[45CSR§30-5.1.c.]

(Title V permit condition 5.3.1)

A record of each visible emissions observation as required in Section 5.3.1. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR§30-5.1.c.]

(Title V permit condition 5.4.2)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-CS-CNV-C2 MTST-00-CS-CNV-H2	Emission unit name: Sources for Emission Point MS11	List any control devices associated with this emission unit: MTST-00-CS-CNV-C2: FE MTST-00-CS-CNV-H2: FE	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): MTST-00-CS-CNV-C2: Coal conveyor from primary crusher #4 to conveyor MTST-00-CS-CNV-D MTST-00-CS-CNV-H2: Coal conveyor from primary crusher #5 to conveyor MTST-00-CS-CNV-J			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: MTST-00-CS-CNV-C2: 1985 MTST-00-CS-CNV-H2: 1985	Installation date: MTST-00-CS-CNV-C2: 1985 MTST-00-CS-CNV-H2: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): MTST-00-CS-CNV-C2: 1200 TPH MTST-00-CS-CNV-H2: 1200 TPH			
Maximum Hourly Throughput: MTST-00-CS-CNV-C2: 1200 TPH MTST-00-CS-CNV-H2: 1200 TPH	Maximum Annual Throughput: MTST-00-CS-CNV-C2: 2,250,000 tons MTST-00-CS-CNV-H2: 2,250,000 tons	Maximum Operating Schedule: 8760 hours	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.01	0.02
Total Particulate Matter (TSP)	0.02	0.05
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

At all times except during periods of startup, shutdown, and malfunctions the visible emissions shall not exceed twenty percent (20%) opacity from the following equipment: coal conveyors, MTST-00-CS-CNV-R, -Q, -C2, -D, -H2, -J, -G, -C1, -H1, -S1a, S1b, -S3a, & -S2, the primary crushers MTST-00-CS-CRH-4 & -5, and the sample crushers MTST-00-CSS-CRH-B. In determining compliance with the particulate matter standard for opacity, Method 9 and the procedures in 40 C.F.R. § 60.11 shall be employed.

[45CSR16, 40 C.F.R. § 60.11 (c), 40 C.F.R. § 60.252 (c)]

(Title V permit condition 5.1.9)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [coal equipment as listed in Section 5.1.9.] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions.

Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11 (d)]

(Title V permit condition 5.1.10)

 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.)

The emission points (i.e., enclosure openings as applicable) from the coal equipment as listed in Section 5.1. 9 shall be observed visually by an individual trained (not necessarily certified) per Method 22 at least each calendar month during periods of normal facility operation for a sufficient time interval to determine if any visible emissions are present. If visible emissions are observed for three (3) consecutive monthly observations, Method 9 tests (requires a certified observer) shall be conducted on those emission points having visible emissions within 48 hours or as soon as practicable from the last Method 22-like observation revealing visible emissions. The Method 9 tests shall be conducted during periods of normal facility operation. If any Method 9 test indicates opacity greater than 80% of the allowable visible emission requirement, Method 9 tests shall be conducted each calendar month for those emission points exceeding 80%. If any Method 9 test indicates opacity less than or equal to 80% of the allowable limit, the monthly Method 22-like observations may resume as previously described.

[45CSR§30-5.1.c.]

(Title V permit condition 5.3.1)

A record of each visible emissions observation as required in Section 5.3.1. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR§30-5.1.c.]

(Title V permit condition 5.4.2)

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: MTST-00-CS-FDR-D MTST-00-CS-CNV-D MTST-00-CS-FDR-J MTST-00-CS-CNV-J	Emission unit name: Sources for Emission Point MS12	List any control devices associated with this emission unit: MTST-00-CS-FDR-D: FE MTST-00-CS-CNV-D: FE MTST-00-CS-FDR-J: FE MTST-00-CS-CNV-J: FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): MTST-00-CS-FDR-D: Tripper reject feeder to conveyor MTST-00-CS-CNV-D MTST-00-CS-CNV-D: Coal conveyor to units 1, 2, and 3 bunkers MTST-00-CS-FDR-J: Tripper reject feeder to conveyor MTST-00-CS-CNV-J MTST-00-CS-CNV-J: Coal conveyor to units 1, 2, and 3 bunkers		
Manufacturer: MTST-00-CS-FDR-D: Mid-West Conveyor Co. MTST-00-CS-CNV-JA: Mid-West Conveyor Co. MTST-00-CS-CNV-J: Mid-West Conveyor Co.	Model number: N/A	Serial number: N/A
Construction date: MTST-00-CS-FDR-D: 1985 MTST-00-CS-CNV-D: 1985 MTST-00-CS-FDR-J: 1985 MTST-00-CS-CNV-J: 1985	Installation date: MTST-00-CS-FDR-D: 1985 MTST-00-CS-CNV-D: 1985 MTST-00-CS-FDR-J: 1985 MTST-00-CS-CNV-J: 1985	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): MTST-00-CS-FDR-D: 1200 TPH MTST-00-CS-CNV-D: 1200 TPH MTST-00-CS-FDR-J: 1200 TPH MTST-00-CS-CNV-J: 1200 TPH		
Maximum Hourly Throughput: MTST-00-CS-FDR-D: 1200 TPH MTST-00-CS-CNV-D: 1200 TPH MTST-00-CS-FDR-J: 1200 TPH MTST-00-CS-CNV-J: 1200 TPH	Maximum Annual Throughput: MTST-00-CS-FDR-D: 2,127,600 Tons MTST-00-CS-CNV-D: 2,127,600 Tons MTST-00-CS-FDR-J: 2,127,600 Tons MTST-00-CS-CNV-J: 2,127,600 Tons	Maximum Operating Schedule: 8760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A

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

N/A

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

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

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.02	0.04
Total Particulate Matter (TSP)	0.05	0.09
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

AP-42 Section 13.2.4, 11/06

Applicable Requirements

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

At all times except during periods of startup, shutdown, and malfunctions the visible emissions shall not exceed twenty percent (20%) opacity from the following equipment: coal conveyors, MTST-00-CS-CNV-R, -Q, -C2, -D, -H2, -J, -G, -C1, -H1, -S1a, S1b, -S3a, & -S2, the primary crushers MTST-00-CS-CRH-4 & -5, and the sample crushers MTST-00-CSS-CRH-B. In determining compliance with the particulate matter standard for opacity, Method 9 and the procedures in 40 C.F.R. § 60.11 shall be employed.

[45CSR16, 40 C.F.R. § 60.11 (c), 40 C.F.R. § 60.252 (c)]

(Title V permit condition 5.1.9)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [coal equipment as listed in Section 5.1.9.] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions.

Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11 (d)]

(Title V permit condition 5.1.10)

☒ Permit Shield

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

The emission points (i.e., enclosure openings as applicable) from the coal equipment as listed in Section 5.1. 9 shall be observed visually by an individual trained (not necessarily certified) per Method 22 at least each calendar month during periods of normal facility operation for a sufficient time interval to determine if any visible emissions are present. If visible emissions are observed for three (3) consecutive monthly observations, Method 9 tests (requires a certified observer) shall be conducted on those emission points having visible emissions within 48 hours or as soon as practicable from the last Method 22-like observation revealing visible emissions. The Method 9 tests shall be conducted during periods of normal facility operation. If any Method 9 test indicates opacity greater than 80% of the allowable visible emission requirement, Method 9 tests shall be conducted each calendar month for those emission points exceeding 80%. If any Method 9 test indicates opacity less than or equal to 80% of the allowable limit, the monthly Method 22-like observations may resume as previously described.

[45CSR§30-5.1.c.]

(Title V permit condition 5.3.1)

A record of each visible emissions observation as required in Section 5.3.1. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR§30-5.1.c.]

(Title V permit condition 5.4.2)

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: MTST-00-CS-UNL-1 MTST-00-CS-FDR-A1 MTST-00-CS-FDR-A2	Emission unit name: Sources for Emission Point MS13	List any control devices associated with this emission unit: MTST-00-CS-UNL-1: PE/WS MTST-00-CS-FDR-A1: UG MTST-00-CS-FDR-A2: UG
Provide a description of the emission unit (type, method of operation, design parameters, etc.): MTST-00-CS-UNL-1: Rail car dump MTST-00-CS-FDR-A1: Feeder from rail car dump to conveyor MTST-00-CS-CNV-B MTST-00-CS-FDR-A2: Feeder from rail car dump to conveyor MTST-00-CS-CNV-B		
Manufacturer: MTST-00-CS-UNL-1: Heyl Patterson MTST-00-CS-FDR-A1: Jervis B Webb Co. MTST-00-CS-FDR-A2: Jervis B Webb Co.	Model number: N/A	Serial number: N/A
Construction date: MTST-00-CS-UNL-1: 1964 MTST-00-CS-FDR-A1: 1964 MTST-00-CS-FDR-A2: 1964	Installation date: MTST-00-CS-UNL-1: 1964 MTST-00-CS-FDR-A1: 1964 MTST-00-CS-FDR-A2: 1964	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): MTST-00-CS-UNL-1: 1400 TPH MTST-00-CS-FDR-A1: 700 TPH MTST-00-CS-FDR-A2: 700 TPH		
Maximum Hourly Throughput: MTST-00-CS-UNL-1: 1400 TPH MTST-00-CS-FDR-A1: 700 TPH MTST-00-CS-FDR-A2: 700 TPH	Maximum Annual Throughput: MTST-00-CS-UNL-1: 1,283,800 Tons MTST-00-CS-FDR-A1: 1,283,800 Tons MTST-00-CS-FDR-A2: 1,283,800 Tons	Maximum Operating Schedule: 8760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	N/A	N/A	
Particulate Matter (PM ₁₀)	0.35	0.57	
Total Particulate Matter (TSP)	0.73	1.20	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42 Section 13.2.4, 11/06			

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.)

No emissions unit-specific applicable requirements for this source.

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: MTST-00-CS-CNV-B	Emission unit name: Source for emission point MS14	List any control devices associated with this emission unit: UG/FE	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Coal conveyor to crusher MTST-00-CS-CRH-2 or conveyor MTST-00-CS-CNV-E and sample system MTST-00-CSS-SM-B.			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 1972	Installation date: 1972	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,400 TPH			
Maximum Hourly Throughput: 1,400 TPH	Maximum Annual Throughput: 2,500,000 tons	Maximum Operating Schedule: 8,760 hours	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.02
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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: MTST-00-CS-CRH-2 MTST-00-CS-FDR-M2 MTST-00-CSS-FDR-B MTST-00-CSS-CRH-B MTST-00-CSS-SM-B MTST-00-CS-CNV-G MTST-00-CS-CRH-3 MTST-00-CS-FDR-M3 MTST-00-CSS-FDR-G MTST-00-CSS-FDR-G1 MTST-00-CSS-CRH-G MTST-00-CSS-SM-G	Emission unit name: Sources for Emission Point MS15	List any control devices associated with this emission unit: MTST-00-CS-CRH-2: FE MTST-00-CS-FDR-M2: FE MTST-00-CSS-FDR-B: FE MTST-00-CSS-CRH-B: FE MTST-00-CSS-SM-B: FE MTST-00-CS-CNV-G: UG AND FE MTST-00-CS-CRH-3: FE MTST-00-CS-FDR-M3: FE MTST-00-CSS-FDR-G: FE MTST-00-CSS-FDR-G1: FE MTST-00-CSS-CRH-G: FE MTST-00-CSS-SM-G: FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): MTST-00-CS-CRH-2: Coal crusher #2 to feeder MTST-00-CS-FDR-M2 MTST-00-CS-FDR-M2: Feeder from crusher #2 to conveyor MTST-00-CS-CNV-C2 MTST-00-CSS-FDR-B: Sample feeder to sample crusher MTST-00-CSS-CRH-B MTST-00-CSS-CRH-B: Coal sample crusher to sampler MTST-00-CSS-SM-B MTST-00-CSS-SM-B: Automatic sampler to sample cans or conveyor MTST-00-CS-CNV-E MTST-00-CS-CNV-G: Conveyor to crusher MTST-00-CS-CRH-3 and feeder MTST-00-CSS-FDR-G MTST-00-CS-CRH-3: Crusher #3 to feeder MTST-00-CS-FDR-M3 MTST-00-CS-FDR-M3: Feeder from crusher #3 to conveyors MTST-00-CS-CNV-E or MTST-00-CS-CNV-H2 MTST-00-CSS-FDR-G: Sample feeder from MTST-00-CS-FDR-M3 to sample feeder MTST-00-CSS-FDR-G1 MTST-00-CSS-FDR-G1: Sample feeder from MTST-00-CS-FDR-G to sample feeder MTST-00-CSS-FDR-G1 and from sample feeder to sample crusher MTST-00-CSS-CRH-G MTST-00-CSS-CRH-G: Sample crusher to automatic sampler MTST-00-CSS-SM-G MTST-00-CSS-SM-G: Automatic sampler to sample cans or conveyor MTST-00-CS-CNV-E		
Manufacturer: MTST-00-CS-FDR-M3: Jervis B Webb Co.	Model number: N/A	Serial number: MTST-00-CSS-FDR-B: F-91-755 MTST-00-CSS-CRH-B: 12718 MTST-00-CSS-SM-B: HY-77-638 MTST-00-CS-CRH-3: 13158 MTST-00-CSS-FDR-G: HY-81-838 MTST-00-CSS-FDR-G1: F-81-479 MTST-00-CSS-CRH-G: 13520 MTST-00-CSS-SM-G: HY-81-837
Construction date: MTST-00-CS-CRH-2: 1964 MTST-00-CS-FDR-M2: 1985 MTST-00-CSS-FDR-B: 1985 MTST-00-CSS-CRH-B: 1985 MTST-00-CSS-SM-B: 1985 MTST-00-CS-CNV-G: 1985 MTST-00-CS-CRH-3: 1964 MTST-00-CS-FDR-M3: 1964 MTST-00-CSS-FDR-G: 1985 MTST-00-CSS-FDR-G1: 1985 MTST-00-CSS-CRH-G: 1985 MTST-00-CSS-SM-G: 1985	Installation date: MTST-00-CS-CRH-2: 1964 MTST-00-CS-FDR-M2: 1985 MTST-00-CSS-FDR-B: 1985 MTST-00-CSS-CRH-B: 1985 MTST-00-CSS-SM-B: 1985 MTST-00-CS-CNV-G: 1985 MTST-00-CS-CRH-3: 1964 MTST-00-CS-FDR-M3: 1964 MTST-00-CSS-FDR-G: 1985 MTST-00-CSS-FDR-G1: 1985 MTST-00-CSS-CRH-G: 1985 MTST-00-CSS-SM-G: 1985	Modification date(s): N/A

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): MTST-00-CS-CRH-2: 700 TPH MTST-00-CS-FDR-M2: 700 TPH MTST-00-CSS-FDR-B: <500,000 lbs/hr MTST-00-CSS-CRH-B: <500,000 lbs/hr MTST-00-CSS-SM-B: <500,000 lbs/hr MTST-00-CS-CNV-G: 700 TPH MTST-00-CS-CRH-3: 800TPH MTST-00-CS-FDR-M3: 700TPH MTST-00-CSS-FDR-G: <500,000lbs/hr MTST-00-CSS-FDR-G1: <500,000lbs/hr MTST-00-CSS-CRH-G: <500,000lbs/hr MTST-00-CSS-SM-G: <500,000lbs/hr			
Maximum Hourly Throughput: MTST-00-CS-CRH-2: 700 TPH MTST-00-CS-FDR-M2: 700 TPH MTST-00-CSS-FDR-B: <500,000 lbs/hr MTST-00-CSS-CRH-B: <500,000 lbs/hr MTST-00-CSS-SM-B: <500,000 lbs/hr MTST-00-CS-CNV-G: 700 TPH MTST-00-CS-CRH-3: 800TPH MTST-00-CS-FDR-M3: 700TPH MTST-00-CSS-FDR-G: <500,000lbs/hr MTST-00-CSS-FDR-G1: <500,000lbs/hr MTST-00-CSS-CRH-G: <500,000lbs/hr MTST-00-CSS-SM-G: <500,000lbs/hr	Maximum Annual Throughput: MTST-00-CS-CRH-2: Emissions unit not currently being used MTST-00-CS-FDR-M2: Emissions unit not currently being used MTST-00-CSS-FDR-B: Emissions unit not currently being used MTST-00-CSS-CRH-B: Emissions unit not currently being used MTST-00-CSS-SM-B: Emissions unit not currently being used MTST-00-CS-CNV-G: 282,100 Tons MTST-00-CS-CRH-3: Emissions unit not currently being used MTST-00-CS-FDR-M3: 282,100 Tons MTST-00-CSS-FDR-G: Emissions unit not currently being used MTST-00-CSS-FDR-G1: Emissions unit not currently being used MTST-00-CSS-CRH-G: Emissions unit not currently being used MTST-00-CSS-SM-G: Emissions unit not currently being used	Maximum Operating Schedule: 8760 hours	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.65	0.25
Total Particulate Matter (TSP)	1.92	0.74
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 11.24.2, 08/82 AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

At all times except during periods of startup, shutdown, and malfunctions the visible emissions shall not exceed twenty percent (20%) opacity from the following equipment: coal conveyors, MTST-00-CS-CNV-R, -Q, -C2, -D, -H2, -J, -G, -C1, -H1, -S1a, S1b, -S3a, & -S2, the primary crushers MTST-00-CS-CRH-4 & -5, and the sample crushers MTST-00-CSS-CRH-B. In determining compliance with the particulate matter standard for opacity, Method 9 and the procedures in 40 C.F.R. § 60.11 shall be employed.

[45CSR16, 40 C.F.R. § 60.11 (c), 40 C.F.R. § 60.252 (c)]
(Title V permit condition 5.1.9)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [coal equipment as listed in Section 5.1.9.] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions.

Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11 (d)]
(Title V permit condition 5.1.10)

 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.)

The emission points (i.e., enclosure openings as applicable) from the coal equipment as listed in Section 5.1. 9 shall be observed visually by an individual trained (not necessarily certified) per Method 22 at least each calendar month during periods of normal facility operation for a sufficient time interval to determine if any visible emissions are present. If visible emissions are observed for three (3) consecutive monthly observations, Method 9 tests (requires a certified observer) shall be conducted on those emission points having visible emissions within 48 hours or as soon as practicable from the last Method 22-like observation revealing visible emissions. The Method 9 tests shall be conducted during periods of normal facility operation. If any Method 9 test indicates opacity greater than 80% of the allowable visible emission requirement, Method 9 tests shall be conducted each calendar month for those emission points exceeding 80%. If any Method 9 test indicates opacity less than or equal to 80% of the allowable limit, the monthly Method 22-like observations may resume as previously described.

[45CSR§30-5.1.c.]
(Title V permit condition 5.3.1)

A record of each visible emissions observation as required in Section 5.3.1. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR§30-5.1.c.]
(Title V permit condition 5.4.2)

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-CS-CNV-E	Emission unit name: Sources for Emission Point MS16	List any control devices associated with this emission unit: Full Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Coal conveyor to stock out conveyor MTST-00-CS-CNV-F			
Manufacturer: Continental Conveyor	Model number: N/A	Serial number: N/A	
Construction date: 1964	Installation date: 1964	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 2,100 TPH			
Maximum Hourly Throughput: 2,100 TPH	Maximum Annual Throughput: 4,000,000 Tons	Maximum Operating Schedule: 8,760 hours	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-CS-CNV-F	Emission unit name: Source for Emission Point MS17	List any control devices associated with this emission unit: Full Enclosure/Water Spray	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Stock out conveyor to coal storage pile			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 1964	Installation date: 1964	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 2,100 TPH			
Maximum Hourly Throughput: 2,100 TPH	Maximum Annual Throughput: 4,500,000 tons	Maximum Operating Schedule: 8760 hours	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.62	0.67
Total Particulate Matter (TSP)	1.31	1.41
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-BLD-CSD-2 MTST-00-CS-FDR-VBG1 MTST-00-CS-FDR-VBG2 MTST-00-CS-FDR-VBG3 MTST-00-CS-FDR-VBG4	Emission unit name: Sources for Emission Point MS18	List any control devices associated with this emission unit: Truck Dump-None All Feeders: Underground	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): MTST-00-BLD-CSD-2: Truck Dump MTST-00-CS-FDR-VBG1: Feeder from truck dump hoppers to conveyor MTST-00-CS-CNV-G MTST-00-CS-FDR-VBG2: Feeder from truck dump hoppers to conveyor MTST-00-CS-CNV-G MTST-00-CS-FDR-VBG3: Feeder from truck dump hoppers to conveyor MTST-00-CS-CNV-G MTST-00-CS-FDR-VBG4: Feeder from truck dump hoppers to conveyor MTST-00-CS-CNV-G			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: Truck Dump: 1964 Feeders: 1985	Installation date: Truck Dump: 1964 Feeders: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): MTST-00-BLD-CSD-2: 700 TPH MTST-00-CS-FDR-VBG1: 175 TPH MTST-00-CS-FDR-VBG2: 175 TPH MTST-00-CS-FDR-VBG3: 175 TPH MTST-00-CS-FDR-VBG4: 175 TPH			
Maximum Hourly Throughput: MTST-00-BLD-CSD-2: 700 TPH MTST-00-CS-FDR-VBG1: 175 TPH MTST-00-CS-FDR-VBG2: 175 TPH MTST-00-CS-FDR-VBG3: 175 TPH MTST-00-CS-FDR-VBG4: 175TPH	Maximum Annual Throughput: MTST-00-BLD-CSD-2: 282,100 Tons MTST-00-CS-FDR-VBG1: 282,100 Tons MTST-00-CS-FDR-VBG2: 70,525 Tons MTST-00-CS-FDR-VBG3: 70,525 Tons MTST-00-CS-FDR-VBG4: 70,525 Tons	Maximum Operating Schedule: 8760 hours	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.26	1.13
Total Particulate Matter (TSP)	0.55	2.39
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.)

No emissions unit-specific applicable requirements for this source.

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: MTST-00-CS-FDR-VBC1 MTST-00-CS-FDR-VBC2 MTST-00-CS-FDR-VBC3 MTST-00-CS-FDR-VBC4	Emission unit name: Sources for Emission Point MS19	List any control devices associated with this emission unit: All Feeders: Underground	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): MTST-00-CS-FDR-VBC1: Reclaim feeder from coal pile to conveyor MTST-00-CS-CNV-C1 MTST-00-CS-FDR-VBC2: Reclaim feeder from coal pile to conveyor MTST-00-CS-CNV-C1 MTST-00-CS-FDR-VBC3: Reclaim feeder from coal pile to conveyor MTST-00-CS-CNV-C1 MTST-00-CS-FDR-VBC4: Reclaim feeder from coal pile to conveyor MTST-00-CS-CNV-C1			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 1985	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): All feeders: 400TPH			
Maximum Hourly Throughput: MTST-00-CS-FDR-VBC1: 400 TPH MTST-00-CS-FDR-VBC2: 400 TPH MTST-00-CS-FDR-VBC3: 400 TPH MTST-00-CS-FDR-VBC4: 400TPH	Maximum Annual Throughput: MTST-00-CS-FDR-VBC1: 788,800 Tons MTST-00-CS-FDR-VBC2: 788,800 Tons MTST-00-CS-FDR-VBC3: 788,800 Tons MTST-00-CS-FDR-VBC4: 788,800 Tons	Maximum Operating Schedule: 8760 hours	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.01	0.02
Total Particulate Matter (TSP)	0.02	0.03
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-CS-FDR-VBH1 MTST-00-CS-FDR-VBH2 MTST-00-CS-FDR-VBH3	Emission unit name: Sources for Emission Point MS20	List any control devices associated with this emission unit: All Feeders: Underground	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): MTST-00-CS-FDR-VBH1: Reclaim feeder from coal pile to conveyor MTST-00-CS-CNV-H1 MTST-00-CS-FDR-VBH2: Reclaim feeder from coal pile to conveyor MTST-00-CS-CNV-H1 MTST-00-CS-FDR-VBH3: Reclaim feeder from coal pile to conveyor MTST-00-CS-CNV-H1			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 1985	Installation date: 1985	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): All feeders: 400TPH			
Maximum Hourly Throughput: MTST-00-CS-FDR-VBH1: 400 TPH MTST-00-CS-FDR-VBH2: 400 TPH MTST-00-CS-FDR-VBH3: 400 TPH	Maximum Annual Throughput: MTST-00-CS-FDR-VBH1: 788,800 Tons MTST-00-CS-FDR-VBH2: 788,800 Tons MTST-00-CS-FDR-VBH3: 788,800 Tons	Maximum Operating Schedule: 8760 hours	
<i>Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE</i>			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.01	0.02
Total Particulate Matter (TSP)	0.02	0.03
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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: MTST-00-CS-BLD MTST-00-CS-FDR-S1 MTST-00-CS-FDR-S2 MTST-00-CS-FDR-S3 MTST-00-CS-FDR-S4	Emission unit name: Sources for Emission point MS21	List any control devices associated with this emission unit: MTST-00-CS-BLD: PE MTST-00-CS-FDR-S1: PE/UG MTST-00-CS-FDR-S2: PE/UG MTST-00-CS-FDR-S3: PE/UG MTST-00-CS-FDR-S4: PE/UG
Provide a description of the emission unit (type, method of operation, design parameters, etc.): MTST-00-CS-BLD: Truck dump enclosure for coal trucks rated at 3,000,000 TPY MTST-00-CS-FDR-S1: Discharge feeder from truck dump to Conveyor S1a MTST-00-CS-FDR-S2: Discharge feeder from truck dump to Conveyor S1a MTST-00-CS-FDR-S3: Discharge feeder from truck dump to Conveyor S1a MTST-00-CS-FDR-S4: Discharge feeder from truck dump to Conveyor S1a		
Manufacturer: MTST-00-CS-BLD: N/A MTST-00-CS-FDR-S1: N/A MTST-00-CS-FDR-S2: N/A MTST-00-CS-FDR-S3: N/A MTST-00-CS-FDR-S4: N/A	Model number: MTST-00-CS-BLD: N/A MTST-00-CS-FDR-S1: N/A MTST-00-CS-FDR-S2: N/A MTST-00-CS-FDR-S3: N/A MTST-00-CS-FDR-S4: N/A	Serial number: MTST-00-CS-BLD: N/A MTST-00-CS-FDR-S1: N/A MTST-00-CS-FDR-S2: N/A MTST-00-CS-FDR-S3: N/A MTST-00-CS-FDR-S4: N/A
Construction date: MTST-00-CS-BLD: 1996 MTST-00-CS-FDR-S1: 1996 MTST-00-CS-FDR-S2: 1996 MTST-00-CS-FDR-S3: 1996 MTST-00-CS-FDR-S4: 1996	Installation date: MTST-00-CS-BLD: 1996 MTST-00-CS-FDR-S1: 1996 MTST-00-CS-FDR-S2: 1996 MTST-00-CS-FDR-S3: 1996 MTST-00-CS-FDR-S4: 1996	Modification date(s): MTST-00-CS-BLD: 2006 MTST-00-CS-FDR-S1: 2006 MTST-00-CS-FDR-S2: 2006 MTST-00-CS-FDR-S3: 2006 MTST-00-CS-FDR-S4: 2006
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): MTST-00-CS-BLD: 1200 TPH MTST-00-CS-FDR-S1: 300 TPH MTST-00-CS-FDR-S2: 300 TPH MTST-00-CS-FDR-S3: 300 TPH MTST-00-CS-FDR-S4: 300 TPH		
Maximum Hourly Throughput: MTST-00-CS-BLD: 1200 TPH MTST-00-CS-FDR-S1: 300 TPH MTST-00-CS-FDR-S2: 300 TPH MTST-00-CS-FDR-S3: 300 TPH MTST-00-CS-FDR-S4: 300 TPH	Maximum Annual Throughput: MTST-00-CS-BLD: 3,000,000 TPY MTST-00-CS-FDR-S1: 3,000,000 TPY MTST-00-CS-FDR-S2: 3,000,000 TPY MTST-00-CS-FDR-S3: 3,000,000 TPY MTST-00-CS-FDR-S4: 3,000,000 TPY	Maximum Operating Schedule: MTST-00-CS-BLD: 8760 HPY MTST-00-CS-FDR-S1: 8760 HPY MTST-00-CS-FDR-S2: 8760 HPY MTST-00-CS-FDR-S3: 8760 HPY MTST-00-CS-FDR-S4: 8760 HPY
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A

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

N/A

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

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

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.04	0.17
Total Particulate Matter (TSP)	0.08	0.35
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

AP-42 Section 13.2.4, 11/06

Applicable Requirements

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

The maximum throughput of the Coal Truck Unloading Facility, originally constructed in 1996, shall not exceed 1,200 TPH and 3,000,000 TPY. The Facility shall consist of the two truck dumps (MTST-00-BLD), four collection bins, four vibratory feeders (MTST-00-CS-FDR-S1, 2, 3, & 4), a tube style reclaim conveyor (MTST-00-CS-CNV-S1a, MTST-00-CS-CNV-S1b), a transfer conveyor (MTST-00-CS-CNV-S2), existing Silo #1 (MTST-00-CS-CYS-1), existing Silo #2 (MTST-00-CS-CYS-2), existing belt feeders (MTST-00-CS-FDRVB1, 2, 3, 4, 5, & 6 and MTST-00-CS-FDR-N1, 2, 3, 4, 5, & 6), and existing conveyor "P" (MTST-00-CSCNV-P-1, MTST-00-CS-CNV-P-2).

[45CSR13, R13-2034, 4.1.1.]

(Title V permit condition 5.1.1)

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
DP1	Coal Trucks dumping to Collection Bins	Windbreaks 6 feet high with sheet metal walls extending up from the windbreaks and tying into a removable truss type roof.
DP2	Vibrating Feeders to Conveyor S-1a	Transfer point is fully enclosed and is also located underground.

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]

(Title V permit condition 5.1.2)

In accordance with the information filed in Permit Application R13-2034, the 0.600 mile haul road connecting State Route 93 to the Coal Truck Unloading Facility, as defined in condition 5.1.1., shall be paved. Fugitive emissions from the haul road to the Coal Truck Unloading Facility shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.2.]

(Title V permit condition 5.1.3)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.568 miles of the Ash Haulroad, resulting in a total of 1.168 miles of paved Ash Haul road and 0.497 miles of unpaved Ash Haulroad. Fugitive emissions from the Ash Haulroad shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.3.]

(Title V permit condition 5.1.4)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.0644 miles of the FGD By-Product Disposal Route, resulting in a total FGD By-Product Disposal Route of 0.9000 miles of paved road and no unpaved road. Fugitive emissions from the FGD By-Product Disposal Route shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.4.]

(Title V permit condition 5.1.5)

The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from haulroads and other work areas where mobile equipment is used.

The spraybar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haulroads and work areas where mobile equipment is used.

[45CSR13, R13-2034, 4.1.5.]

(Title V permit condition 5.1.6)

At all times except during periods of startup, shutdown, and malfunctions the visible emissions shall not exceed twenty percent (20%) opacity from the following equipment: coal conveyors, MTST-00-CS-CNV-R, -Q, -C2, -D, -H2, -J, -G, -C1, -H1, -S1a, S1b, -S3a, & -S2, the primary crushers MTST-00-CS-CRH-4 & -5, and the sample crushers MTST-00-CSS-CRH-B. In determining compliance with the particulate matter standard for opacity, Method 9 and the procedures in 40 C.F.R. § 60.11 shall be employed.

[45CSR16, 40 C.F.R. § 60.11 (c), 40 C.F.R. § 60.254 (a)]

(Title V permit condition 5.1.9)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [coal equipment as listed in condition 5.1.9.] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11 (d)]

(Title V permit condition 5.1.10)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]

(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]

(Title V permit condition 5.1.12)

☒ 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.)

For the purposes of determining compliance with Section 5.1.1, the permittee shall monitor the total amount of coal transferred through both truck dumps at the Coal Truck Unloading Facility.

[45CSR13, R13-2034, 4.2.1.]

(Title V permit condition 5.2.1)

For the purposes of determining compliance with condition 5.1.1., the permittee shall maintain certified records of the total amount of coal transferred through both truck dumps at the Coal Truck Unloading Facility, as per Attachments A and B.

[45CSR13, R13-2034, 4.4.4.]

(Title V permit condition 5.4.1)

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in condition 5.1.2., the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

[45CSR13, R13-2034, 4.4.2.]

(Title V permit condition 5.4.3)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 5.1.2, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2034, 4.4.3.]

(Title V permit condition 5.4.4)

Retention of records related to the requirements Permit R13-2034. The permittee shall maintain records of all information (including monitoring data, support information, reports and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

[45CSR13 - Permit No. R13-2034 §3.4.1.]

(Title V permit condition 5.4.7)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-CS-CNV-S1a	Emission unit name: Source for emission point MS22	List any control devices associated with this emission unit: Underground/Full Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Conveyor that collects coal from the Truck Dump and feeds conveyor S1b or S3a			
Manufacturer: Sedgman	Model number: 2023-0201	Serial number: 2023-0201	
Construction date: 1996	Installation date: 1996	Modification date(s): 2006	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,200 TPH			
Maximum Hourly Throughput: 1,200 TPH	Maximum Annual Throughput: 3,000,000 TPY	Maximum Operating Schedule: 8,760 HPY	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.01	0.01
Total Particulate Matter (TSP)	0.02	0.03
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

The maximum throughput of the Coal Truck Unloading Facility, originally constructed in 1996, shall not exceed 1,200 TPH and 3,000,000 TPY. The Facility shall consist of the two truck dumps (MTST-00-BLD), four collection bins, four vibratory feeders (MTST-00-CS-FDR-S1, 2, 3, & 4), a tube style reclaim conveyor (MTST-00-CS-CNV-S1a, MTST-00-CS-CNV-S1b), a transfer conveyor (MTST-00-CS-CNV-S2), existing Silo #1 (MTST-00-CS-CYS-1), existing Silo #2 (MTST-00-CS-CYS-2), existing belt feeders (MTST-00-CS-FDRVB1, 2, 3, 4, 5, & 6 and MTST-00-CS-FDR-N1, 2, 3, 4, 5, & 6), and existing conveyor "P" (MTST-00-CSCNV-P-1, MTST-00-CS-CNV-P-2).

[45CSR13, R13-2034, 4.1.1.]

(Title V permit condition 5.1.1)

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
T1	Existing Truck Dump to existing Silo Feed (S-1a) to existing Conveyor S1-b or New Transfer Conveyor S-3a	Full Enclosure

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]

(Title V permit condition 5.1.2)

In accordance with the information filed in Permit Application R13-2034, the 0.600 mile haul road connecting State Route 93 to the Coal Truck Unloading Facility, as defined in condition 5.1.1., shall be paved. Fugitive emissions from the haul road to the Coal Truck Unloading Facility shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.2.]

(Title V permit condition 5.1.3)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.568 miles of the Ash Haulroad, resulting in a total of 1.168 miles of paved Ash Haul road and 0.497 miles of unpaved Ash Haulroad. Fugitive emissions from the Ash Haulroad shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.3.]

(Title V permit condition 5.1.4)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.0644 miles of the FGD By-Product Disposal Route, resulting in a total FGD By-Product Disposal Route of 0.9000 miles of paved road and no unpaved road. Fugitive emissions from the FGD By-Product Disposal Route shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.4.]

(Title V permit condition 5.1.5)

The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions

that may be generated from haulroads and other work areas where mobile equipment is used.

The spraybar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haulroads and work areas where mobile equipment is used.

[45CSR13, R13-2034, 4.1.5.]

(Title V permit condition 5.1.6)

At all times except during periods of startup, shutdown, and malfunctions the visible emissions shall not exceed twenty percent (20%) opacity from the following equipment: coal conveyors, MTST-00-CS-CNV-R, -Q, -C2, -D, -H2, -J, -G, -C1, -H1, -S1a, S1b, -S3a, & -S2, the primary crushers MTST-00-CS-CRH-4 & -5, and the sample crushers MTST-00-CSS-CRH-B. In determining compliance with the particulate matter standard for opacity, Method 9 and the procedures in 40 C.F.R. § 60.11 shall be employed.

[45CSR16, 40 C.F.R. § 60.11 (c), 40 C.F.R. § 60.254 (a)]

(Title V permit condition 5.1.9)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [coal equipment as listed in condition 5.1.9.] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11 (d)]

(Title V permit condition 5.1.10)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]

(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]

(Title V permit condition 5.1.12)

☒ Permit Shield

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

For the purposes of determining compliance with Section 5.1.1, the permittee shall monitor the total amount of coal transferred through both truck dumps at the Coal Truck Unloading Facility.

[45CSR13, R13-2034, 4.2.1.]
(Title V permit condition 5.2.1)

For the purposes of determining compliance with condition 5.1.1., the permittee shall maintain certified records of the total amount of coal transferred through both truck dumps at the Coal Truck Unloading Facility, as per Attachments A and B.

[45CSR13, R13-2034, 4.4.4.]
(Title V permit condition 5.4.1)

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in condition 5.1.2., the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

[45CSR13, R13-2034, 4.4.2.]
(Title V permit condition 5.4.3)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 5.1.2, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2034, 4.4.3.]
(Title V permit condition 5.4.4)

Retention of records related to the requirements Permit R13-2034. The permittee shall maintain records of all information (including monitoring data, support information, reports and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

[45CSR13 - Permit No. R13-2034 §3.4.1.]
(Title V permit condition 5.4.7)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-CS-CNV-S1b	Emission unit name: Source for emission point MS23	List any control devices associated with this emission unit: Full Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Conveyor that feeds Conveyor S2			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 1996	Installation date: 1996	Modification date(s): 2006	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,200 TPH			
Maximum Hourly Throughput: 1,200 TPH	Maximum Annual Throughput: 3,000,000 TPY	Maximum Operating Schedule: 8,760 HPY	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.02
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

The maximum throughput of the Coal Truck Unloading Facility, originally constructed in 1996, shall not exceed 1,200 TPH and 3,000,000 TPY. The Facility shall consist of the two truck dumps (MTST-00-BLD), four collection bins, four vibratory feeders (MTST-00-CS-FDR-S1, 2, 3, & 4), a tube style reclaim conveyor (MTST-00-CS-CNV-S1a, MTST-00-CS-CNV-S1b), a transfer conveyor (MTST-00-CS-CNV-S2), existing Silo #1 (MTST-00-CS-CYS-1), existing Silo #2 (MTST-00-CS-CYS-2), existing belt feeders (MTST-00-CS-FDRVB1, 2, 3, 4, 5, & 6 and MTST-00-CS-FDR-N1, 2, 3, 4, 5, & 6), and existing conveyor "P" (MTST-00-CSCNV-P-1, MTST-00-CS-CNV-P-2).

[45CSR13, R13-2034, 4.1.1.]

(Title V permit condition 5.1.1)

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
DP5	Conveyor S-1b to Conveyor S-2	Transfer point is fully enclosed and is located inside a full enclosure at the top of the silo.

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]

(Title V permit condition 5.1.2)

In accordance with the information filed in Permit Application R13-2034, the 0.600 mile haul road connecting State Route 93 to the Coal Truck Unloading Facility, as defined in condition 5.1.1., shall be paved. Fugitive emissions from the haul road to the Coal Truck Unloading Facility shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.2.]

(Title V permit condition 5.1.3)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.568 miles of the Ash Haulroad, resulting in a total of 1.168 miles of paved Ash Haul road and 0.497 miles of unpaved Ash Haulroad. Fugitive emissions from the Ash Haulroad shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.3.]

(Title V permit condition 5.1.4)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.0644 miles of the FGD By-Product Disposal Route, resulting in a total FGD By-Product Disposal Route of 0.9000 miles of paved road and no unpaved road. Fugitive emissions from the FGD By-Product Disposal Route shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.4.]

(Title V permit condition 5.1.5)

The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions

that may be generated from haulroads and other work areas where mobile equipment is used.

The spraybar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haulroads and work areas where mobile equipment is used.

[45CSR13, R13-2034, 4.1.5.]

(Title V permit condition 5.1.6)

At all times except during periods of startup, shutdown, and malfunctions the visible emissions shall not exceed twenty percent (20%) opacity from the following equipment: coal conveyors, MTST-00-CS-CNV-R, -Q, -C2, -D, -H2, -J, -G, -C1, -H1, -S1a, S1b, -S3a, & -S2, the primary crushers MTST-00-CS-CRH-4 & -5, and the sample crushers MTST-00-CSS-CRH-B. In determining compliance with the particulate matter standard for opacity, Method 9 and the procedures in 40 C.F.R. § 60.11 shall be employed.

[45CSR16, 40 C.F.R. § 60.11 (c), 40 C.F.R. § 60.254 (a)]

(Title V permit condition 5.1.9)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [coal equipment as listed in condition 5.1.9.] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11 (d)]

(Title V permit condition 5.1.10)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]

(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]

(Title V permit condition 5.1.12)

☒ Permit Shield

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

For the purposes of determining compliance with Section 5.1.1, the permittee shall monitor the total amount of coal transferred through both truck dumps at the Coal Truck Unloading Facility.

[45CSR13, R13-2034, 4.2.1.]

(Title V permit condition 5.2.1)

For the purposes of determining compliance with condition 5.1.1., the permittee shall maintain certified records of the total amount of coal transferred through both truck dumps at the Coal Truck Unloading Facility, as per Attachments A and B.

[45CSR13, R13-2034, 4.4.4.]

(Title V permit condition 5.4.1)

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in condition 5.1.2., the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

[45CSR13, R13-2034, 4.4.2.]

(Title V permit condition 5.4.3)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 5.1.2, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2034, 4.4.3.]

(Title V permit condition 5.4.4)

Retention of records related to the requirements Permit R13-2034. The permittee shall maintain records of all information (including monitoring data, support information, reports and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

[45CSR13 - Permit No. R13-2034 §3.4.1.]

(Title V permit condition 5.4.7)

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-CS-CNV-S3a	Emission unit name: Source for emission point MS24	List any control devices associated with this emission unit: Partial Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Transfer conveyor to Radial Stacker S-5 or Transfer Conveyor S-4			
Manufacturer: Sedgman	Model number: 2023-1101	Serial number: 2023-1101	
Construction date: 2006	Installation date: 2006	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,200 TPH			
Maximum Hourly Throughput: 1,200 TPH	Maximum Annual Throughput: 2,500,000 TPY	Maximum Operating Schedule: 8,760 HPY	
<i>Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE</i>			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.06	0.06
Total Particulate Matter (TSP)	0.12	0.13
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

The maximum throughput of the Coal Truck Unloading Facility, originally constructed in 1996, shall not exceed 1,200 TPH and 3,000,000 TPY. The Facility shall consist of the two truck dumps (MTST-00-BLD), four collection bins, four vibratory feeders (MTST-00-CS-FDR-S1, 2, 3, & 4), a tube style reclaim conveyor (MTST-00-CS-CNV-S1a, MTST-00-CS-CNV-S1b), a transfer conveyor (MTST-00-CS-CNV-S2), existing Silo #1 (MTST-00-CS-CYS-1), existing Silo #2 (MTST-00-CS-CYS-2), existing belt feeders (MTST-00-CS-FDRVB1, 2, 3, 4, 5, & 6 and MTST-00-CS-FDR-N1, 2, 3, 4, 5, & 6), and existing conveyor "P" (MTST-00-CSCNV-P-1, MTST-00-CS-CNV-P-2).

[45CSR13, R13-2034, 4.1.1.]

(Title V permit condition 5.1.1)

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
T2	Transfer Conveyor S-3a to Radial Stacker S-5 or Transfer Conveyor S-4	Partial Enclosure

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]

(Title V permit condition 5.1.2)

In accordance with the information filed in Permit Application R13-2034, the 0.600 mile haul road connecting State Route 93 to the Coal Truck Unloading Facility, as defined in condition 5.1.1., shall be paved. Fugitive emissions from the haul road to the Coal Truck Unloading Facility shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.2.]

(Title V permit condition 5.1.3)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.568 miles of the Ash Haulroad, resulting in a total of 1.168 miles of paved Ash Haul road and 0.497 miles of unpaved Ash Haulroad. Fugitive emissions from the Ash Haulroad shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.3.]

(Title V permit condition 5.1.4)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.0644 miles of the FGD By-Product Disposal Route, resulting in a total FGD By-Product Disposal Route of 0.9000 miles of paved road and no unpaved road. Fugitive emissions from the FGD By-Product Disposal Route shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.4.]

(Title V permit condition 5.1.5)

The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions

that may be generated from haulroads and other work areas where mobile equipment is used.

The spraybar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haulroads and work areas where mobile equipment is used.

[45CSR13, R13-2034, 4.1.5.]

(Title V permit condition 5.1.6)

The amount of coal through the two new raw coal stockpiles combined shall not exceed 2,400 tons per hour nor 2,500,000 tons per year.

[45CSR13, R13-2034, 4.1.6.]

(Title V permit condition 5.1.7)

At all times except during periods of startup, shutdown, and malfunctions the visible emissions shall not exceed twenty percent (20%) opacity from the following equipment: coal conveyors, MTST-00-CS-CNV-R, -Q, -C2, -D, -H2, -J, -G, -C1, -H1, -S1a, S1b, -S3a, & -S2, the primary crushers MTST-00-CS-CRH-4 & -5, and the sample crushers MTST-00-CSS-CRH-B. In determining compliance with the particulate matter standard for opacity, Method 9 and the procedures in 40 C.F.R. § 60.11 shall be employed.

[45CSR16, 40 C.F.R. § 60.11 (c), 40 C.F.R. § 60.254 (a)]

(Title V permit condition 5.1.9)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [coal equipment as listed in condition 5.1.9.] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11 (d)]

(Title V permit condition 5.1.10)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]

(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]

(Title V permit condition 5.1.12)

 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.)

The emission points (i.e., enclosure openings as applicable) from the coal equipment as listed in Section 5.1.9 shall be observed visually by an individual trained (not necessarily certified) per Method 22 at least each calendar month during periods of normal facility operation for a sufficient time interval to determine if any visible emissions are present. If visible emissions are observed for three (3) consecutive monthly observations, Method 9 tests (requires a certified observer) shall be conducted on those emission points having visible emissions within 48 hours or as soon as practicable from the last Method 22-like observation revealing visible emissions. The Method 9 tests shall be conducted during periods of normal facility operation. If any Method 9 test indicates opacity greater than 80% of the allowable visible emission requirement, Method 9 tests shall be conducted each calendar month for those emission points exceeding 80%. If any Method 9 test indicates opacity less than or equal to 80% of the allowable limit, the monthly Method 22-like observations may resume as previously described.

[45CSR§30-5.1.c.]

(Title V permit condition 5.3.1)

A record of each visible emissions observation as required in Section 5.3.1. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR§30-5.1.c.]

(Title V permit condition 5.4.2)

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 5.1.2, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

[45CSR13, R13-2034, 4.4.2.]

(Title V permit condition 5.4.3)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 5.1.2, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2034, 4.4.3.]

(Title V permit condition 5.4.4)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-CS-CNV-S4	Emission unit name: Source for emission point MS25	List any control devices associated with this emission unit: Partial Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Transfer conveyor S-4 to Radial Stacker S-6			
Manufacturer: Sedgman	Model number: 2023-1201	Serial number: 2023-1201	
Construction date: 2006	Installation date: 2006	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,200 TPH			
Maximum Hourly Throughput: 1,200 TPH	Maximum Annual Throughput: 2,500,000 TPY	Maximum Operating Schedule: 8,760 HPY	
<i>Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE</i>			
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.06	0.06
Total Particulate Matter (TSP)	0.12	0.13
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

The maximum throughput of the Coal Truck Unloading Facility, originally constructed in 1996, shall not exceed 1,200 TPH and 3,000,000 TPY. The Facility shall consist of the two truck dumps (MTST-00-BLD), four collection bins, four vibratory feeders (MTST-00-CS-FDR-S1, 2, 3, & 4), a tube style reclaim conveyor (MTST-00-CS-CNV-S1a, MTST-00-CS-CNV-S1b), a transfer conveyor (MTST-00-CS-CNV-S2), existing Silo #1 (MTST-00-CS-CYS-1), existing Silo #2 (MTST-00-CS-CYS-2), existing belt feeders (MTST-00-CS-FDRVB1, 2, 3, 4, 5, & 6 and MTST-00-CS-FDR-N1, 2, 3, 4, 5, & 6), and existing conveyor "P" (MTST-00-CSCNV-P-1, MTST-00-CS-CNV-P-2).

[45CSR13, R13-2034, 4.1.1.]

(Title V permit condition 5.1.1)

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
T3	Transfer Conveyor S-4 to Radial Stacker S-6	Partial Enclosure

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]

(Title V permit condition 5.1.2)

In accordance with the information filed in Permit Application R13-2034, the 0.600 mile haul road connecting State Route 93 to the Coal Truck Unloading Facility, as defined in condition 5.1.1., shall be paved. Fugitive emissions from the haul road to the Coal Truck Unloading Facility shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.2.]

(Title V permit condition 5.1.3)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.568 miles of the Ash Haulroad, resulting in a total of 1.168 miles of paved Ash Haul road and 0.497 miles of unpaved Ash Haulroad. Fugitive emissions from the Ash Haulroad shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.3.]

(Title V permit condition 5.1.4)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.0644 miles of the FGD By-Product Disposal Route, resulting in a total FGD By-Product Disposal Route of 0.9000 miles of paved road and no unpaved road. Fugitive emissions from the FGD By-Product Disposal Route shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.4.]

(Title V permit condition 5.1.5)

The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions

that may be generated from haulroads and other work areas where mobile equipment is used.

The spraybar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haulroads and work areas where mobile equipment is used.

[45CSR13, R13-2034, 4.1.5.]

(Title V permit condition 5.1.6)

The amount of coal through the two new raw coal stockpiles combined shall not exceed 2,400 tons per hour nor 2,500,000 tons per year.

[45CSR13, R13-2034, 4.1.6.]

(Title V permit condition 5.1.7)

At all times except during periods of startup, shutdown, and malfunctions the visible emissions shall not exceed twenty percent (20%) opacity from the following equipment: coal conveyors, MTST-00-CS-CNV-R, -Q, -C2, -D, -H2, -J, -G, -C1, -H1, -S1a, S1b, -S3a, & -S2, the primary crushers MTST-00-CS-CRH-4 & -5, and the sample crushers MTST-00-CSS-CRH-B. In determining compliance with the particulate matter standard for opacity, Method 9 and the procedures in 40 C.F.R. § 60.11 shall be employed.

[45CSR16, 40 C.F.R. § 60.11 (c), 40 C.F.R. § 60.254 (a)]

(Title V permit condition 5.1.9)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [coal equipment as listed in condition 5.1.9.] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11 (d)]

(Title V permit condition 5.1.10)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]

(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]

(Title V permit condition 5.1.12)

 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.)

The emission points (i.e., enclosure openings as applicable) from the coal equipment as listed in Section 5.1.9 shall be observed visually by an individual trained (not necessarily certified) per Method 22 at least each calendar month during periods of normal facility operation for a sufficient time interval to determine if any visible emissions are present. If visible emissions are observed for three (3) consecutive monthly observations, Method 9 tests (requires a certified observer) shall be conducted on those emission points having visible emissions within 48 hours or as soon as practicable from the last Method 22-like observation revealing visible emissions. The Method 9 tests shall be conducted during periods of normal facility operation. If any Method 9 test indicates opacity greater than 80% of the allowable visible emission requirement, Method 9 tests shall be conducted each calendar month for those emission points exceeding 80%. If any Method 9 test indicates opacity less than or equal to 80% of the allowable limit, the monthly Method 22-like observations may resume as previously described.

[45CSR§30-5.1.c.]

(Title V permit condition 5.3.1)

A record of each visible emissions observation as required in Section 5.3.1. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR§30-5.1.c.]

(Title V permit condition 5.4.2)

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 5.1.2, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

[45CSR13, R13-2034, 4.4.2.]

(Title V permit condition 5.4.3)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 5.1.2, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2034, 4.4.3.]

(Title V permit condition 5.4.4)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-CS-CNV-S5	Emission unit name: Source for Emission point MS26	List any control devices associated with this emission unit: Partial Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Radial Stacker conveyor to Open Pile 1 (OP-1)			
Manufacturer: Beitzel Corporation	Model number: 18331-G003-R1	Serial number: 18331-G003-R1	
Construction date: 2006	Installation date: 2006	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,200 TPH			
Maximum Hourly Throughput: 1,200 TPH	Maximum Annual Throughput: 2,500,000 TPY	Maximum Operating Schedule: 8,760 HPY	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? ___ Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.06	0.06
Total Particulate Matter (TSP)	0.12	0.13
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

The maximum throughput of the Coal Truck Unloading Facility, originally constructed in 1996, shall not exceed 1,200 TPH and 3,000,000 TPY. The Facility shall consist of the two truck dumps (MTST-00-BLD), four collection bins, four vibratory feeders (MTST-00-CS-FDR-S1, 2, 3, & 4), a tube style reclaim conveyor (MTST-00-CS-CNV-S1a, MTST-00-CS-CNV-S1b), a transfer conveyor (MTST-00-CS-CNV-S2), existing Silo #1 (MTST-00-CS-CYS-1), existing Silo #2 (MTST-00-CS-CYS-2), existing belt feeders (MTST-00-CS-FDRVB1, 2, 3, 4, 5, & 6 and MTST-00-CS-FDR-N1, 2, 3, 4, 5, & 6), and existing conveyor "P" (MTST-00-CSCNV-P-1, MTST-00-CS-CNV-P-2).

[45CSR13, R13-2034, 4.1.1.]

(Title V permit condition 5.1.1)

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
T4	Radial Stacker S-5 or Radial Stacker S-6 to Pile	Partial Enclosure

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]

(Title V permit condition 5.1.2)

In accordance with the information filed in Permit Application R13-2034, the 0.600 mile haul road connecting State Route 93 to the Coal Truck Unloading Facility, as defined in condition 5.1.1., shall be paved. Fugitive emissions from the haul road to the Coal Truck Unloading Facility shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.2.]

(Title V permit condition 5.1.3)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.568 miles of the Ash Haulroad, resulting in a total of 1.168 miles of paved Ash Haul road and 0.497 miles of unpaved Ash Haulroad. Fugitive emissions from the Ash Haulroad shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.3.]

(Title V permit condition 5.1.4)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.0644 miles of the FGD By-Product Disposal Route, resulting in a total FGD By-Product Disposal Route of 0.9000 miles of paved road and no unpaved road. Fugitive emissions from the FGD By-Product Disposal Route shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.4.]

(Title V permit condition 5.1.5)

The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from haulroads and other work areas where mobile equipment is used.

The spraybar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haulroads and work areas where mobile equipment is used.

[45CSR13, R13-2034, 4.1.5.]

(Title V permit condition 5.1.6)

The amount of coal through the two new raw coal stockpiles combined shall not exceed 2,400 tons per hour nor 2,500,000 tons per year.

[45CSR13, R13-2034, 4.1.6.]

(Title V permit condition 5.1.7)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]

(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]

(Title V permit condition 5.1.12)

 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.)

For the purposes of determining compliance with condition 5.1.7., the permittee shall monitor the total amount of coal transferred through each of the two new raw coal stockpiles.

[45CSR13, R13-2034, 4.2.2.]

(Title V permit condition 5.2.2)

The emission points (i.e., enclosure openings as applicable) from the coal equipment as listed in Section 5.1.9 shall be observed visually by an individual trained (not necessarily certified) per Method 22 at least each calendar month during periods of normal facility operation for a sufficient time interval to determine if any visible emissions are present. If visible emissions are observed for three (3) consecutive monthly observations, Method 9 tests (requires a certified observer) shall be conducted on those emission points having visible emissions within 48 hours or as soon as practicable from the last Method 22-like observation revealing visible emissions. The Method 9 tests shall be conducted during periods of normal facility operation. If any Method 9 test indicates opacity greater than 80% of the allowable visible emission requirement, Method 9 tests shall be conducted each calendar month for those emission points exceeding 80%. If any Method 9 test indicates opacity less than or equal to 80% of the allowable limit, the monthly Method 22-like observations may resume as previously described.

[45CSR§30-5.1.c.]

(Title V permit condition 5.3.1)

A record of each visible emissions observation as required in Section 5.3.1. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR§30-5.1.c.]

(Title V permit condition 5.4.2)

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 5.1.2, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

[45CSR13, R13-2034, 4.4.2.]

(Title V permit condition 5.4.3)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 5.1.2, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2034, 4.4.3.]

(Title V permit condition 5.4.4)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: OP-1	Emission unit name: Source for emission point MS27	List any control devices associated with this emission unit: None	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Fuel Storage pile 1 from Radial Stacker S-5			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 2006	Installation date: 2006	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,200 TPH and 2,500,000 TPY			
Maximum Hourly Throughput: 1,200 TPH	Maximum Annual Throughput: 2,500,000 TPY	Maximum Operating Schedule: 8,760 HPY	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.06	0.06
Total Particulate Matter (TSP)	0.12	0.13
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

AP-42 Section 13.2.4, 11/06

MS26 and MS27 the identical drop point, therefore emissions listed for MS26 are representative of emissions for both emission points.

Applicable Requirements

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

The amount of coal through the two new raw coal stockpiles combined shall not exceed 2,400 tons per hour nor 2,500,000 tons per year.

[45CSR13, R13-2034, 4.1.6.]

(Title V permit condition 5.1.7)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]

(Title V permit condition 5.1.12)

 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.)

For the purposes of determining compliance with condition 5.1.7., the permittee shall monitor the total amount of coal transferred through each of the two new raw coal stockpiles.

[45CSR13, R13-2034, 4.2.2.]

(Title V permit condition 5.2.2)

For the purposes of determining compliance with condition 5.1.7., the permittee shall maintain certified records of the total amount of coal transferred through each of the two new raw coal stockpiles.

[45CSR13, R13-2034, 4.4.5.]

(Title V permit condition 5.4.5)

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-CS-CNV-S6	Emission unit name: Source for Emission point MS28	List any control devices associated with this emission unit: Partial Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Radial Stacker conveyor to Open Pile 2 (OP-2)			
Manufacturer: Beitzel Corporation	Model number: 18331-G005	Serial number: 18331-G005	
Construction date: 2006	Installation date: 2006	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,200 TPH			
Maximum Hourly Throughput: 1,200 TPH	Maximum Annual Throughput: 2,500,000 TPY	Maximum Operating Schedule: 8,760 HPY	
<i>Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE</i>			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.06	0.06
Total Particulate Matter (TSP)	0.12	0.13
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

The maximum throughput of the Coal Truck Unloading Facility, originally constructed in 1996, shall not exceed 1,200 TPH and 3,000,000 TPY. The Facility shall consist of the two truck dumps (MTST-00-BLD), four collection bins, four vibratory feeders (MTST-00-CS-FDR-S1, 2, 3, & 4), a tube style reclaim conveyor (MTST-00-CS-CNV-S1a, MTST-00-CS-CNV-S1b), a transfer conveyor (MTST-00-CS-CNV-S2), existing Silo #1 (MTST-00-CS-CYS-1), existing Silo #2 (MTST-00-CS-CYS-2), existing belt feeders (MTST-00-CS-FDRVB1, 2, 3, 4, 5, & 6 and MTST-00-CS-FDR-N1, 2, 3, 4, 5, & 6), and existing conveyor "P" (MTST-00-CSCNV-P-1, MTST-00-CS-CNV-P-2).

[45CSR13, R13-2034, 4.1.1.]

(Title V permit condition 5.1.1)

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
T4	Radial Stacker S-5 or Radial Stacker S-6 to Pile	Partial Enclosure

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]

(Title V permit condition 5.1.2)

In accordance with the information filed in Permit Application R13-2034, the 0.600 mile haul road connecting State Route 93 to the Coal Truck Unloading Facility, as defined in condition 5.1.1., shall be paved. Fugitive emissions from the haul road to the Coal Truck Unloading Facility shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.2.]

(Title V permit condition 5.1.3)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.568 miles of the Ash Haulroad, resulting in a total of 1.168 miles of paved Ash Haul road and 0.497 miles of unpaved Ash Haulroad. Fugitive emissions from the Ash Haulroad shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.3.]

(Title V permit condition 5.1.4)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.0644 miles of the FGD By-Product Disposal Route, resulting in a total FGD By-Product Disposal Route of 0.9000 miles of paved road and no unpaved road. Fugitive emissions from the FGD By-Product Disposal Route shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.4.]

(Title V permit condition 5.1.5)

The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from haulroads and other work areas where mobile equipment is used.

The spraybar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haulroads and work areas where mobile equipment is used.

[45CSR13, R13-2034, 4.1.5.]

(Title V permit condition 5.1.6)

The amount of coal through the two new raw coal stockpiles combined shall not exceed 2,400 tons per hour nor 2,500,000 tons per year.

[45CSR13, R13-2034, 4.1.6.]

(Title V permit condition 5.1.7)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]

(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]

(Title V permit condition 5.1.12)

 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.)

For the purposes of determining compliance with condition 5.1.7., the permittee shall monitor the total amount of coal transferred through each of the two new raw coal stockpiles.

[45CSR13, R13-2034, 4.2.2.]

(Title V permit condition 5.2.2)

The emission points (i.e., enclosure openings as applicable) from the coal equipment as listed in Section 5.1.9 shall be observed visually by an individual trained (not necessarily certified) per Method 22 at least each calendar month during periods of normal facility operation for a sufficient time interval to determine if any visible emissions are present. If visible emissions are observed for three (3) consecutive monthly observations, Method 9 tests (requires a certified observer) shall be conducted on those emission points having visible emissions within 48 hours or as soon as practicable from the last Method 22-like observation revealing visible emissions. The Method 9 tests shall be conducted during periods of normal facility operation. If any Method 9 test indicates opacity greater than 80% of the allowable visible emission requirement, Method 9 tests shall be conducted each calendar month for those emission points exceeding 80%. If any Method 9 test indicates opacity less than or equal to 80% of the allowable limit, the monthly Method 22-like observations may resume as previously described.

[45CSR§30-5.1.c.]

(Title V permit condition 5.3.1)

A record of each visible emissions observation as required in Section 5.3.1. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR§30-5.1.c.]

(Title V permit condition 5.4.2)

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 5.1.2, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

[45CSR13, R13-2034, 4.4.2.]

(Title V permit condition 5.4.3)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 5.1.2, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2034, 4.4.3.]

(Title V permit condition 5.4.4)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: OP-2	Emission unit name: Source for emission point MS29	List any control devices associated with this emission unit: None	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Fuel Storage pile 2 from Radial Stacker S-6			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 2006	Installation date: 2006	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,200 TPH and 2,500,000 TPY			
Maximum Hourly Throughput: 1,200 TPH	Maximum Annual Throughput: 2,500,000 TPY	Maximum Operating Schedule: 8,760 HPY	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.06	0.06
Total Particulate Matter (TSP)	0.12	0.13
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

AP-42 Section 13.2.4, 11/06

MS28 and MS29 the identical drop point, therefore emissions listed for MS28 are representative of emissions for both emission points.

Applicable Requirements

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

The amount of coal through the two new raw coal stockpiles combined shall not exceed 2,400 tons per hour nor 2,500,000 tons per year.

[45CSR13, R13-2034, 4.1.6.]

(Title V permit condition 5.1.7)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]

(Title V permit condition 5.1.12)

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.)

For the purposes of determining compliance with condition 5.1.7., the permittee shall monitor the total amount of coal transferred through each of the two new raw coal stockpiles.

[45CSR13, R13-2034, 4.2.2.]

(Title V permit condition 5.2.2)

For the purposes of determining compliance with condition 5.1.7., the permittee shall maintain certified records of the total amount of coal transferred through each of the two new raw coal stockpiles.

[45CSR13, R13-2034, 4.4.5.]

(Title V permit condition 5.4.5)

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			
<i>Emission Unit Description</i>			
Emission unit ID number: BD-T7	Emission unit name: Source for emission point MS30	List any control devices associated with this emission unit: Underground	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Bulldozer to Reclaim feeders on OP-1 and OP-2			
Manufacturer: Caterpillar (or equivalent)	Model number: D9 (or other mfr/model)	Serial number: 7TL-01201 (or other)	
Construction date: N/A	Installation date: 2006	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): N/A			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: 7,150 hours	Maximum Operating Schedule: 7,150 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: 410 HP (or equivalent)		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Ultra Low Sulfur Off road Diesel Fuel			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Diesel	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.06	0.06
Total Particulate Matter (TSP)	0.12	0.13
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
T7	Bulldozer to New Reclaim Hoppers	Transfer point is located and controlled underground

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]
(Title V permit condition 5.1.2)

The Bulldozer working the new Reclaim Hoppers #1 and #2 shall not operate more than 7,150 hours per year based on a rolling yearly total.

[45CSR13, R13-2034, 4.1.7.]
(Title V permit condition 5.1.8)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]
(Title V permit condition 5.1.12)

☒ Permit Shield

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

For the purposes of determining compliance with Section 5.1.8, the permittee shall monitor the number of hours of dozer operation each month.

[45CSR13, R13-2034, 4.2.3.]
(Title V permit condition 5.2.3)

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 5.1.2, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

[45CSR13, R13-2034, 4.4.2.]
(Title V permit condition 5.4.3)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 5.1.2, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2034, 4.4.3.]

(Title V permit condition 5.4.4)

For the purposes of determining compliance with condition 5.1.8., the permittee shall maintain certified records of the number of hours of bulldozer operation on a monthly basis.

[45CSR13, R13-2034, 4.4.6.]

(Title V permit condition 5.4.6)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-CS-FDR-1 MTST-00-CS-FDR-2	Emission unit name: Sources for emission point MS31	List any control devices associated with this emission unit: MTST-00-CS-FDR-1: Underground MTST-00-CS-FDR-2: Underground	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reclaim feeders to Reclaim coal conveyor T			
Manufacturer: MTST-00-CS-FDR-1: Carman Industries, Inc. MTST-00-CS-FDR-2: Carman Industries, Inc.	Model number: MTST-00-CS-FDR-1: 8GDH MTST-00-CS-FDR-2: 8GDH	Serial number: MTST-00-CS-FDR-1: GDH-13484 MTST-00-CS-FDR-2: GDH-13485	
Construction date: MTST-00-CS-FDR-1: 2006 MTST-00-CS-FDR-2: 2006	Installation date: MTST-00-CS-FDR-1: 2006 MTST-00-CS-FDR-2: 2006	Modification date(s): MTST-00-CS-FDR-1: N/A MTST-00-CS-FDR-2: N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): MTST-00-CS-FDR-1: 1,000 TPH MTST-00-CS-FDR-2: 1,000 TPH			
Maximum Hourly Throughput: MTST-00-CS-FDR-1: 1,000 TPH MTST-00-CS-FDR-2: 1,000 TPH	Maximum Annual Throughput: MTST-00-CS-FDR-1: 2,500,000 TPY MTST-00-CS-FDR-2: 2,500,000 TPY	Maximum Operating Schedule: MTST-00-CS-FDR-1: 8,760 HPY MTST-00-CS-FDR-2: 8,760 HPY	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.00	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

The maximum throughput of the Coal Truck Unloading Facility, originally constructed in 1996, shall not exceed 1,200 TPH and 3,000,000 TPY. The Facility shall consist of the two truck dumps (MTST-00-BLD), four collection bins, four vibratory feeders (MTST-00-CS-FDR-S1, 2, 3, & 4), a tube style reclaim conveyor (MTST-00-CS-CNV-S1a, MTST-00-CS-CNV-S1b), a transfer conveyor (MTST-00-CS-CNV-S2), existing Silo #1 (MTST-00-CS-CYS-1), existing Silo #2 (MTST-00-CS-CYS-2), existing belt feeders (MTST-00-CS-FDRVB1, 2, 3, 4, 5, & 6 and MTST-00-CS-FDR-N1, 2, 3, 4, 5, & 6), and existing conveyor "P" (MTST-00-CSCNV-P-1, MTST-00-CS-CNV-P-2).

[45CSR13, R13-2034, 4.1.1.]

(Title V permit condition 5.1.1)

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
T8	New Reclaim Hoppers to New Reclaim Coal Conveyor T	Underground

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]

(Title V permit condition 5.1.2)

In accordance with the information filed in Permit Application R13-2034, the 0.600 mile haul road connecting State Route 93 to the Coal Truck Unloading Facility, as defined in condition 5.1.1., shall be paved. Fugitive emissions from the haul road to the Coal Truck Unloading Facility shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.2.]

(Title V permit condition 5.1.3)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.568 miles of the Ash Haulroad, resulting in a total of 1.168 miles of paved Ash Haul road and 0.497 miles of unpaved Ash Haulroad. Fugitive emissions from the Ash Haulroad shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.3.]

(Title V permit condition 5.1.4)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.0644 miles of the FGD By-Product Disposal Route, resulting in a total FGD By-Product Disposal Route of 0.9000 miles of paved road and no unpaved road. Fugitive emissions from the FGD By-Product Disposal Route shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.4.]

(Title V permit condition 5.1.5)

The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from haulroads and other work areas where mobile equipment is used.

The spraybar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haulroads and work areas where mobile equipment is used.

[45CSR13, R13-2034, 4.1.5.]

(Title V permit condition 5.1.6)

The amount of coal through the two new raw coal stockpiles combined shall not exceed 2,400 tons per hour nor 2,500,000 tons per year.

[45CSR13, R13-2034, 4.1.6.]

(Title V permit condition 5.1.7)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]

(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]

(Title V permit condition 5.1.12)

 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.)

For the purposes of determining compliance with condition 5.1.7., the permittee shall monitor the total amount of coal transferred through each of the two new raw coal stockpiles.

[45CSR13, R13-2034, 4.2.2.]

(Title V permit condition 5.2.2)

The emission points (i.e., enclosure openings as applicable) from the coal equipment as listed in Section 5.1.9 shall be observed visually by an individual trained (not necessarily certified) per Method 22 at least each calendar month during periods of normal facility operation for a sufficient time interval to determine if any visible emissions are present. If visible emissions are observed for three (3) consecutive monthly observations, Method 9 tests (requires a certified observer) shall be conducted on those emission points having visible emissions within 48 hours or as soon as practicable from the last Method 22-like observation revealing visible emissions. The Method 9 tests shall be conducted during periods of normal facility operation. If any Method 9 test indicates opacity greater than 80% of the allowable visible emission requirement, Method 9 tests shall be conducted each calendar month for those emission points exceeding 80%. If any Method 9 test indicates opacity less than or equal to 80% of the allowable limit, the monthly Method 22-like observations may resume as previously described.

[45CSR§30-5.1.c.]

(Title V permit condition 5.3.1)

A record of each visible emissions observation as required in Section 5.3.1. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR§30-5.1.c.]

(Title V permit condition 5.4.2)

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 5.1.2, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

[45CSR13, R13-2034, 4.4.2.]

(Title V permit condition 5.4.3)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 5.1.2, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2034, 4.4.3.]

(Title V permit condition 5.4.4)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-CS-CNV-T	Emission unit name: Source for emission point MS32	List any control devices associated with this emission unit: Underground/Partial Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reclaim Conveyor to Conveyor P-1			
Manufacturer: Sedgman	Model number: 2023-0601	Serial number: 2023-0601	
Construction date: 2006	Installation date: 2006	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,200 TPH			
Maximum Hourly Throughput: 1,200 TPH	Maximum Annual Throughput: 2,500,000 TPY	Maximum Operating Schedule: 8,760 HPY	
<i>Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE</i>			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.01
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

The maximum throughput of the Coal Truck Unloading Facility, originally constructed in 1996, shall not exceed 1,200 TPH and 3,000,000 TPY. The Facility shall consist of the two truck dumps (MTST-00-BLD), four collection bins, four vibratory feeders (MTST-00-CS-FDR-S1, 2, 3, & 4), a tube style reclaim conveyor (MTST-00-CS-CNV-S1a, MTST-00-CS-CNV-S1b), a transfer conveyor (MTST-00-CS-CNV-S2), existing Silo #1 (MTST-00-CS-CYS-1), existing Silo #2 (MTST-00-CS-CYS-2), existing belt feeders (MTST-00-CS-FDRVB1, 2, 3, 4, 5, & 6 and MTST-00-CS-FDR-N1, 2, 3, 4, 5, & 6), and existing conveyor "P" (MTST-00-CSCNV-P-1, MTST-00-CS-CNV-P-2).

[45CSR13, R13-2034, 4.1.1.]

(Title V permit condition 5.1.1)

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
T9	New Reclaim Conveyor T to Existing P-1 Conveyor	Partial Enclosure / Underground

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]

(Title V permit condition 5.1.2)

In accordance with the information filed in Permit Application R13-2034, the 0.600 mile haul road connecting State Route 93 to the Coal Truck Unloading Facility, as defined in condition 5.1.1., shall be paved. Fugitive emissions from the haul road to the Coal Truck Unloading Facility shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.2.]

(Title V permit condition 5.1.3)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.568 miles of the Ash Haulroad, resulting in a total of 1.168 miles of paved Ash Haul road and 0.497 miles of unpaved Ash Haulroad. Fugitive emissions from the Ash Haulroad shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.3.]

(Title V permit condition 5.1.4)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.0644 miles of the FGD By-Product Disposal Route, resulting in a total FGD By-Product Disposal Route of 0.9000 miles of paved road and no unpaved road. Fugitive emissions from the FGD By-Product Disposal Route shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.4.]

(Title V permit condition 5.1.5)

The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from haulroads and other work areas where mobile equipment is used.

The spraybar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haulroads and work areas where mobile equipment is used.

[45CSR13, R13-2034, 4.1.5.]

(Title V permit condition 5.1.6)

The amount of coal through the two new raw coal stockpiles combined shall not exceed 2,400 tons per hour nor 2,500,000 tons per year.

[45CSR13, R13-2034, 4.1.6.]

(Title V permit condition 5.1.7)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]

(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]

(Title V permit condition 5.1.12)

 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.)

For the purposes of determining compliance with condition 5.1.7., the permittee shall monitor the total amount of coal transferred through each of the two new raw coal stockpiles.

[45CSR13, R13-2034, 4.2.2.]

(Title V permit condition 5.2.2)

The emission points (i.e., enclosure openings as applicable) from the coal equipment as listed in Section 5.1.9 shall be observed visually by an individual trained (not necessarily certified) per Method 22 at least each calendar month during periods of normal facility operation for a sufficient time interval to determine if any visible emissions are present. If visible emissions are observed for three (3) consecutive monthly observations, Method 9 tests (requires a certified observer) shall be conducted on those emission points having visible emissions within 48 hours or as soon as practicable from the last Method 22-like observation revealing visible emissions. The Method 9 tests shall be conducted during periods of normal facility operation. If any Method 9 test indicates opacity greater than 80% of the allowable visible emission requirement, Method 9 tests shall be conducted each calendar month for those emission points exceeding 80%. If any Method 9 test indicates opacity less than or equal to 80% of the allowable limit, the monthly Method 22-like observations may resume as previously described.

[45CSR§30-5.1.c.]

(Title V permit condition 5.3.1)

A record of each visible emissions observation as required in Section 5.3.1. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR§30-5.1.c.]

(Title V permit condition 5.4.2)

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 5.1.2, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

[45CSR13, R13-2034, 4.4.2.]

(Title V permit condition 5.4.3)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 5.1.2, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2034, 4.4.3.]

(Title V permit condition 5.4.4)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-CS-CNV-P2	Emission unit name: Source for emission point MS33	List any control devices associated with this emission unit: Full Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Transfer conveyor to Conveyor SF-1 or SF-2			
Manufacturer: Sedgman	Model number: 2023-1001	Serial number: 2023-1011	
Construction date: 2006	Installation date: 2006	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1600 TPH			
Maximum Hourly Throughput: 1600 TPH	Maximum Annual Throughput: 3,000,000 TPY	Maximum Operating Schedule: 8760 HPY	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.01	0.01
Total Particulate Matter (TSP)	0.02	0.01
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

The maximum throughput of the Coal Truck Unloading Facility, originally constructed in 1996, shall not exceed 1,200 TPH and 3,000,000 TPY. The Facility shall consist of the two truck dumps (MTST-00-BLD), four collection bins, four vibratory feeders (MTST-00-CS-FDR-S1, 2, 3, & 4), a tube style reclaim conveyor (MTST-00-CS-CNV-S1a, MTST-00-CS-CNV-S1b), a transfer conveyor (MTST-00-CS-CNV-S2), existing Silo #1 (MTST-00-CS-CYS-1), existing Silo #2 (MTST-00-CS-CYS-2), existing belt feeders (MTST-00-CS-FDRVB1, 2, 3, 4, 5, & 6 and MTST-00-CS-FDR-N1, 2, 3, 4, 5, & 6), and existing conveyor "P" (MTST-00-CSCNV-P-1, MTST-00-CS-CNV-P-2).

[45CSR13, R13-2034, 4.1.1.]

(Title V permit condition 5.1.1)

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
T10	New Transfer on P-1 Conveyor to P-2 Conveyor	Full enclosure

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]

(Title V permit condition 5.1.2)

In accordance with the information filed in Permit Application R13-2034, the 0.600 mile haul road connecting State Route 93 to the Coal Truck Unloading Facility, as defined in condition 5.1.1., shall be paved. Fugitive emissions from the haul road to the Coal Truck Unloading Facility shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.2.]

(Title V permit condition 5.1.3)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.568 miles of the Ash Haulroad, resulting in a total of 1.168 miles of paved Ash Haul road and 0.497 miles of unpaved Ash Haulroad. Fugitive emissions from the Ash Haulroad shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.3.]

(Title V permit condition 5.1.4)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.0644 miles of the FGD By-Product Disposal Route, resulting in a total FGD By-Product Disposal Route of 0.9000 miles of paved road and no unpaved road. Fugitive emissions from the FGD By-Product Disposal Route shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.4.]

(Title V permit condition 5.1.5)

The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from haulroads and other work areas where mobile equipment is used.

The spraybar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haulroads and work areas where mobile equipment is used.

[45CSR13, R13-2034, 4.1.5.]

(Title V permit condition 5.1.6)

The amount of coal through the two new raw coal stockpiles combined shall not exceed 2,400 tons per hour nor 2,500,000 tons per year.

[45CSR13, R13-2034, 4.1.6.]

(Title V permit condition 5.1.7)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]

(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]

(Title V permit condition 5.1.12)

 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.)

For the purposes of determining compliance with condition 5.1.7., the permittee shall monitor the total amount of coal transferred through each of the two new raw coal stockpiles.

[45CSR13, R13-2034, 4.2.2.]

(Title V permit condition 5.2.2)

The emission points (i.e., enclosure openings as applicable) from the coal equipment as listed in Section 5.1.9 shall be observed visually by an individual trained (not necessarily certified) per Method 22 at least each calendar month during periods of normal facility operation for a sufficient time interval to determine if any visible emissions are present. If visible emissions are observed for three (3) consecutive monthly observations, Method 9 tests (requires a certified observer) shall be conducted on those emission points having visible emissions within 48 hours or as soon as practicable from the last Method 22-like observation revealing visible emissions. The Method 9 tests shall be conducted during periods of normal facility operation. If any Method 9 test indicates opacity greater than 80% of the allowable visible emission requirement, Method 9 tests shall be conducted each calendar month for those emission points exceeding 80%. If any Method 9 test indicates opacity less than or equal to 80% of the allowable limit, the monthly Method 22-like observations may resume as previously described.

[45CSR§30-5.1.c.]

(Title V permit condition 5.3.1)

A record of each visible emissions observation as required in Section 5.3.1. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR§30-5.1.c.]

(Title V permit condition 5.4.2)

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 5.1.2, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

[45CSR13, R13-2034, 4.4.2.]

(Title V permit condition 5.4.3)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 5.1.2, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2034, 4.4.3.]

(Title V permit condition 5.4.4)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: C-SF-1	Emission unit name: Source for Emission Point MS34	List any control devices associated with this emission unit: Full Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Conveyor SF-1: coal conveyor from P-2 Conveyor to R-Conveyor			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 2005	Installation date: 2005	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,600TPH			
Maximum Hourly Throughput: 1,600TPH	Maximum Annual Throughput: 792,960 Tons	Maximum Operating Schedule: 8,760 hours	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.01	0.01
Total Particulate Matter (TSP)	0.02	0.02
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

The maximum throughput of the Coal Truck Unloading Facility, originally constructed in 1996, shall not exceed 1,200 TPH and 3,000,000 TPY. The Facility shall consist of the two truck dumps (MTST-00-BLD), four collection bins, four vibratory feeders (MTST-00-CS-FDR-S1, 2, 3, & 4), a tube style reclaim conveyor (MTST-00-CS-CNV-S1a, MTST-00-CS-CNV-S1b), a transfer conveyor (MTST-00-CS-CNV-S2), existing Silo #1 (MTST-00-CS-CYS-1), existing Silo #2 (MTST-00-CS-CYS-2), existing belt feeders (MTST-00-CS-FDRVB1, 2, 3, 4, 5, & 6 and MTST-00-CS-FDR-N1, 2, 3, 4, 5, & 6), and existing conveyor "P" (MTST-00-CSCNV-P-1, MTST-00-CS-CNV-P-2).

[45CSR13, R13-2034, 4.1.1.]

(Title V permit condition 5.1.1)

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
T11	Transfer Conveyor C-SF-1 with associated transfer house	Partial Enclosure

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]

(Title V permit condition 5.1.2)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]

(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]

(Title V permit condition 5.1.12)

☒ Permit Shield

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

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 5.1.2, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

[45CSR13, R13-2034, 4.4.2.]

(Title V permit condition 5.4.3)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 5.1.2, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2034, 4.4.3.]

(Title V permit condition 5.4.4)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: C-SF-2	Emission unit name: Source for Emission Point MS35	List any control devices associated with this emission unit: Partial Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Conveyor SF-2: coal stock out pile to Q-Conveyor			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 2005	Installation date: 2005	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,000TPH			
Maximum Hourly Throughput: 1,000TPH	Maximum Annual Throughput: 3,000,000 tons	Maximum Operating Schedule: 8,760 hours	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.01	0.01
Total Particulate Matter (TSP)	0.01	0.02
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

The maximum throughput of the Coal Truck Unloading Facility, originally constructed in 1996, shall not exceed 1,200 TPH and 3,000,000 TPY. The Facility shall consist of the two truck dumps (MTST-00-BLD), four collection bins, four vibratory feeders (MTST-00-CS-FDR-S1, 2, 3, & 4), a tube style reclaim conveyor (MTST-00-CS-CNV-S1a, MTST-00-CS-CNV-S1b), a transfer conveyor (MTST-00-CS-CNV-S2), existing Silo #1 (MTST-00-CS-CYS-1), existing Silo #2 (MTST-00-CS-CYS-2), existing belt feeders (MTST-00-CS-FDRVB1, 2, 3, 4, 5, & 6 and MTST-00-CS-FDR-N1, 2, 3, 4, 5, & 6), and existing conveyor "P" (MTST-00-CSCNV-P-1, MTST-00-CS-CNV-P-2).

[45CSR13, R13-2034, 4.1.1.]

(Title V permit condition 5.1.1)

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
T12	Transfer Conveyor C-SF-2 with associated transfer house	Partial Enclosure

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]

(Title V permit condition 5.1.2)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]

(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]

(Title V permit condition 5.1.12)

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

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 5.1.2, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

[45CSR13, R13-2034, 4.4.2.]
(Title V permit condition 5.4.3)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 5.1.2, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2034, 4.4.3.]
(Title V permit condition 5.4.4)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-CS-CNV-R	Emission unit name: Source for Emission Point MS36	List any control devices associated with this emission unit: Partial Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Conveyor MTST-00-CS-CNV-R: emergency stock out coal conveyor from SF-1 conveyor to stock out pile.			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 2005	Installation date: 2005	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,600TPH			
Maximum Hourly Throughput: 1,600TPH	Maximum Annual Throughput: 3,000,000 tons	Maximum Operating Schedule: 8760 hours	
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE			
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.01	0.01
Total Particulate Matter (TSP)	0.02	0.02
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

The maximum throughput of the Coal Truck Unloading Facility, originally constructed in 1996, shall not exceed 1,200 TPH and 3,000,000 TPY. The Facility shall consist of the two truck dumps (MTST-00-BLD), four collection bins, four vibratory feeders (MTST-00-CS-FDR-S1, 2, 3, & 4), a tube style reclaim conveyor (MTST-00-CS-CNV-S1a, MTST-00-CS-CNV-S1b), a transfer conveyor (MTST-00-CS-CNV-S2), existing Silo #1 (MTST-00-CS-CYS-1), existing Silo #2 (MTST-00-CS-CYS-2), existing belt feeders (MTST-00-CS-FDRVB1, 2, 3, 4, 5, & 6 and MTST-00-CS-FDR-N1, 2, 3, 4, 5, & 6), and existing conveyor "P" (MTST-00-CSCNV-P-1, MTST-00-CS-CNV-P-2).

[45CSR13, R13-2034, 4.1.1.]

(Title V permit condition 5.1.1)

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
T13	Raw Coal Stock Out Conveyor "R" (MTST-00-CS-CNV-R) with associated transfer house	Partial Enclosure

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]

(Title V permit condition 5.1.2)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]

(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]

(Title V permit condition 5.1.12)

 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.)

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 5.1.2, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or

preventative maintenance procedures.

[45CSR13, R13-2034, 4.4.2.]

(Title V permit condition 5.4.3)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 5.1.2, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2034, 4.4.3.]

(Title V permit condition 5.4.4)

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

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number: MTST-00-RC-SILO-SB1	Emission unit name: MS77 - S-Sorb Receiving Silo	List any control devices associated with this emission unit: Fabric Filter (MTST-RC-SILO-FAB01)	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): The silo can receive S-Sorb at 50 tons per hour.			
Manufacturer: Standley Batch Systems, Inc	Model number: SBS195	Serial number: 7318	
Construction date: 06/02/2011	Installation date: 7/1/2011	Modification date(s): Not Applicable	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 190 ton			
Maximum Hourly Throughput: 50 tons per hour	Maximum Annual Throughput: 438,000 tons	Maximum Operating Schedule: 8,760 hours per year	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? Not applicable ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	0.13	0.06
Particulate Matter (PM ₁₀)	0.13	0.06
Total Particulate Matter (TSP)	0.13	0.06
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions as submitted in R13-2034D administrative amendment application.</p>		

Applicable Requirements

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

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
Silo SB1	S-Sorb Receiving Silo	Fabric Filter

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]
(Title V permit condition 5.1.2)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]
(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]
(Title V permit condition 5.1.12)

S-Sorb throughput into Silo SB1 shall not exceed 50 tons per hour nor 45,000 tons per year.

[45CSR13, R13-2034, 4.1.8.]
(Title V permit condition 5.1.13)

Particulate Matter emissions from the two S-Sorb silos (SB1 and SB2) shall be controlled with fabric filters. Said fabric filters shall be designed, installed, operated and maintained so as to achieve a minimum overall control efficiency of at least 99.8%.

[45CSR13, R13-2034, 4.1.9.]
(Title V permit condition 5.1.15)

 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.)

For the purposes of determining compliance with condition 5.1.13., the permittee shall monitor the total amount of sorbent transferred to silo SB1 on a monthly basis.

[45CSR13, R13-2034, 4.2.4.]

(Title V permit condition 5.2.4)

Retention of records related to the requirements Permit R13-2034. The permittee shall maintain records of all information (including monitoring data, support information, reports and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

[45CSR13 - Permit No. R13-2034 §3.4.1.]

(Title V permit condition 5.4.7)

For the purposes of determining compliance with condition 5.1.13. of this permit, the permittee shall maintain certified records of the total amount of sorbent transferred to silo SB1 on a monthly basis.

[45CSR13, R13-2034, 4.4.7.]

(Title V permit condition 5.4.8)

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

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number: MTST-00-RC-SILO-SB2	Emission unit name: MS78: S-Sorb Active Silo	List any control devices associated with this emission unit: Fabric Filter (MTST-RC-SILO-FAB01)	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): The silo can receive S-Sorb at 50 tons per hour.			
Manufacturer: Standley Batch Systems, Inc	Model number: SBS150	Serial number: 7135	
Construction date: 11/01 /2009	Installation date: 7/1/2011	Modification date(s): Not Applicable	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 150 ton			
Maximum Hourly Throughput: 50 tons per hour	Maximum Annual Throughput: 438,000	Maximum Operating Schedule: 8,760 hours per year	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? Not applicable ___ Indirect Fired ___Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	
Carbon Monoxide (CO)	N/A	Carbon Monoxide (CO)
Nitrogen Oxides (NO _x)	N/A	Nitrogen Oxides (NO _x)
Lead (Pb)	N/A	Lead (Pb)
Particulate Matter (PM _{2.5})	0.13	Particulate Matter (PM _{2.5})
Particulate Matter (PM ₁₀)	0.13	Particulate Matter (PM ₁₀)
Total Particulate Matter (TSP)	0.13	Total Particulate Matter (TSP)
Sulfur Dioxide (SO ₂)	N/A	Sulfur Dioxide (SO ₂)
Volatile Organic Compounds (VOC)	N/A	Volatile Organic Compounds (VOC)
Hazardous Air Pollutants	Potential Emissions	
	PPH	
	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	
	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions as submitted in R13-2034D administrative amendment application.</p>		

Applicable Requirements

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

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
Silo SB2	S-Sorb Active Silo	Fabric Filter

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]
(Title V permit condition 5.1.2)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]
(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]
(Title V permit condition 5.1.12)

S-Sorb throughput into Silo SB1 shall not exceed 50 tons per hour nor 45,000 tons per year.

[45CSR13, R13-2034, 4.1.8.]
(Title V permit condition 5.1.13)

Particulate Matter emissions from the two S-Sorb silos (SB1 and SB2) shall be controlled with fabric filters. Said fabric filters shall be designed, installed, operated and maintained so as to achieve a minimum overall control efficiency of at least 99.8%.

[45CSR13, R13-2034, 4.1.9.]
(Title V permit condition 5.1.15)

 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.)

For the purposes of determining compliance with condition 5.1.13., the permittee shall monitor the total amount of sorbent transferred to silo SB1 on a monthly basis.

[45CSR13, R13-2034, 4.2.4.]

(Title V permit condition 5.2.4)

Retention of records related to the requirements Permit R13-2034. The permittee shall maintain records of all information (including monitoring data, support information, reports and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

[45CSR13 - Permit No. R13-2034 §3.4.1.]

(Title V permit condition 5.4.7)

For the purposes of determining compliance with condition 5.1.13. of this permit, the permittee shall maintain certified records of the total amount of sorbent transferred to silo SB1 on a monthly basis.

[45CSR13, R13-2034, 4.4.7.]

(Title V permit condition 5.4.8)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-RC-CNV-SB3	Emission unit name: S-Sorb Transfer Conveyor (Fugitive)	List any control devices associated with this emission unit: Full Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):. Conveyor SB3 transfers S-Sorb from Silo SB2 to Transfer Chute SB4.			
Manufacturer: Standley Batch Systems, Inc	Model number: SBSC1	Serial number: MCSSC1	
Construction date: 11/01/2009	Installation date: 7/1/2011	Modification date(s): Not Applicable	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 24 tons S-Sorb per hour.			
Maximum Hourly Throughput: 24 tons S-Sorb per hour	Maximum Annual Throughput: 210,240 tons	Maximum Operating Schedule: 8,760 hours per year	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? Not applicable ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	0.05	0.05
Particulate Matter (PM ₁₀)	0.05	0.05
Total Particulate Matter (TSP)	0.11	0.10
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

List the method(s) 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 as submitted in R13-2034D administrative amendment application.

Applicable Requirements

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

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
CHT-SB4	S-Sorb Transfer Chute	Full Enclosure

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]
(Title V permit condition 5.1.2)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]
(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]
(Title V permit condition 5.1.12)

The transfer point between the S-Sorb transfer conveyor (CNV-SB3) and the existing coal conveyor shall be enclosed by a chute.

[45CSR13, R13-2034, 4.1.11.]
(Title V permit condition 5.1.14)

 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.)
Retention of records related to the requirements Permit R13-2034.

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

[45CSR13 - Permit No. R13-2034 §3.4.1.]
(Title V permit condition 5.4.7)

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

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number: MTST-00-RC-CHT-SB4	Emission unit name: S-Sorb Transfer Chute (Fugitive)	List any control devices associated with this emission unit: Full Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.):. Chute Sb4 transfers S-Sorb from Conveyor SB3 to the existing coal conveyors C2 and H2.			
Manufacturer: Mineral Fabrication & Machine Company, Inc.	Model number: MFMC1	Serial number: MSCS1-6BDC (C conveyor); MSH1-6BDC (H conveyor)	
Construction date: 06/02 /2011	Installation date: 7/1/2011	Modification date(s): Not Applicable	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 24 tons S-Sorb per hour.			
Maximum Hourly Throughput: 24 tons S-Sorb per hour	Maximum Annual Throughput: 210,240 TPY	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? Not applicable ___ Indirect Fired ___Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	0.03	0.02
Particulate Matter (PM ₁₀)	0.03	0.02
Total Particulate Matter (TSP)	0.06	0.05
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions as submitted in R13-2034D administrative amendment application.</p>		

Applicable Requirements

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

In accordance with the information filed in Permit Application R13-2034, the following methods of controlling particulate matter emissions from the transfer points shall be installed, maintained, and operated so as to minimize emissions:

Transfer Point ID No.	Transfer Point Description	Method of Controls
CNV-SB3	S-Sorb Transfer Conveyor	Full Enclosure

[45CSR§30-12.7., 45CSR13, R13-2034, 1.0.]
(Title V permit condition 5.1.2)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in condition 5.1.2. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2034, 4.1.12.]
(Title V permit condition 5.1.11)

The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.

[45CSR13, R13-2034, 2.5.1.]
(Title V permit condition 5.1.12)

The transfer point between the S-Sorb transfer conveyor (CNV-SB3) and the existing coal conveyor shall be enclosed by a chute.

[45CSR13, R13-2034, 4.1.11.]
(Title V permit condition 5.1.14)

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.) Retention of records related to the requirements Permit R13-2034.

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

[45CSR13 - Permit No. R13-2034 §3.4.1.]
(Title V permit condition 5.4.7)

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description <i>Limestone Unloading</i>		
Emission unit ID number: MTST-00-BLD-LSUB-1 MTST-00-SAR-HPR-1A MTST-00-SAR-HPR-1B MTST-00-SAR-FDR-1A MTST-00-SAR-FDR-1B	Emission unit name: Sources for emission point MS37	List any control devices associated with this emission unit: MTST-00-BLD-LSUB-1 – PE (DC#3,BH2ca) MTST-00-SAR-HPR-1A – FE (DC#3,BH2ca) MTST-00-SAR-HPR-1B – FE (DC#3,BH2ca) MTST-00-SAR-FDR-1A – FE (DC#3,BH2ca) MTST-00-SAR-FDR-1B – FE (DC#3,BH2ca)
Provide a description of the emission unit (type, method of operation, design parameters, etc.): MTST-00-BLD-LSUB-1 - Two bay pre-engineered steel building with two below grade unloading hoppers. MTST-00-SAR-HPR-1A; MTST-00-SAR-HPR-1B; MTST-00-SAR-FDR-1A; MTST-00-SAR-FDR-1B Limestone Truck Unloading Hoppers and Vibratory Feeders to Conveyor MTST-00-SAR-CNV-A		
Manufacturer: MTST-00-BLD-LSUB-1- Fabral MTST-00-SAR-HPR-1A – Kinergy MTST-00-SAR-HPR-1B- Kinergy MTST-00-SAR-FDR-1A - Kinergy MTST-00-SAR-FDR-1B Kinergy	Model number: MTST-00-BLD-LSUB-1- N/A MTST-00-SAR-HPR-1A– KDF-48 HDDT MTST-00-SAR-HPR-1B– KDF-48 HDDT MTST-00-SAR-FDR-1A– KDF-48 HDDT MTST-00-SAR-FDR-1B– KDF-48 HDDT	Serial number: MTST-00-BLD-LSUB-1- N/A MTST-00-SAR-HPR-1A – N/A MTST-00-SAR-HPR-1B- N/A MTST-00-SAR-FDR-1A – N/A MTST-00-SAR-FDR-1B - N/A
Construction date: MTST-00-BLD-LSUB-1 - 1994 MTST-00-SAR-HPR-1A - 1994 MTST-00-SAR-HPR-1B - 1994 MTST-00-SAR-FDR-1A - 1994 MTST-00-SAR-FDR-1B - 1994	Installation date: MTST-00-BLD-LSUB-1 – N/A MTST-00-SAR-HPR-1A - 1994 MTST-00-SAR-HPR-1B - 1994 MTST-00-SAR-FDR-1A - 1994 MTST-00-SAR-FDR-1B - 1994	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): MTST-00-BLD-LSUB-1 – N/A MTST-00-SAR-HPR-1A – 300 tons MTST-00-SAR-HPR-1B – 300 tons MTST-00-SAR-FDR-1A –600 TPH MTST-00-SAR-FDR-1B – 600 TPH		
Maximum Hourly Throughput: MTST-00-BLD-LSUB-1 – N/A MTST-00-SAR-HPR-1A – 300 Tons MTST-00-SAR-HPR-1B – 300 Tons MTST-00-SAR-FDR-1A – 600 TPH MTST-00-SAR-FDR-1B – 600 TPH	Maximum Annual Throughput: MTST-00-BLD-LSUB-1 – N/A MTST-00-SAR-HPR-1A – 2,628,000 TN MTST-00-SAR-HPR-1B – 2,628,000 TN MTST-00-SAR-FDR-1A –5,256,000 TN MTST-00-SAR-FDR-1B – 5,256,000 TN	Maximum Operating Schedule: 8,760 hours/year
Fuel Usage Data (fill out all applicable fields)		
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A

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

N/A

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

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

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.07	0.04
Total Particulate Matter (TSP)	0.14	0.04
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

AP-42 Section 13.2.4, 11/06

Applicable Requirements

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

In accordance with the information filed in Permit Application R13-1660C, and any amendments thereto, the following maximum throughputs shall not be exceeded, and, at a minimum, the following control equipment shall be installed, maintained, and operated so as to minimize particulate matter emissions:

Equipment ID No.	Description	Maximum Capacity		Control Equipment ¹	Associated Transfer Points		
		TPH	TPY		Location B- Before A- After	ID No.	Control Equip-ment ¹
Limestone Crushing Circuit							
2sa	Limestone Unloading Hoppers	440	354,000	PE, BH	B A	2ca n/a	PE, BH UG

¹ BH - Baghouse, FE - Full Enclosure, PE - Partial Enclosure, UG - Underground Reclaim

[45CSR13 - Permit No. R13-1660 §A.1.]

(Title V permit condition 6.1.1)

Particulate matter (PM) emissions from the following emission points shall not exceed the specified limitations, and the units shall maintain the minimum collection efficiency:

Control Device ID NO.	Control Device Type	Emission Point ID No.	Maximum Emission Limit (lb/hour) ¹	Maximum Emission Limit (tons/year)	Maximum Emission Limit (gr/dscf) ²	Maximum Collection Efficiency (%)
2ca	Baghouse	2e	<0.01	<0.01	0.022	99.80

¹ These limits are considered instantaneous limits and represent limits for Total Suspended Particulate and Particulate Matter less than 10 microns.

² Pursuant to 40.672(a)(1) and in grains/dry standard cubic feet

*Note – 7cc is listed as Dust Collector #5 and 8ce is listed as Dust Collector #7 in Section 1.0 Emission Table to coincide with plant labeling

[45CSR13 - Permit No. R13-1660 §A.2., 45CSR16, 40 CFR §60.672(a)(1)]

(Title V permit condition 6.1.2)

The limestone unloading area shall take place within a two sided roofed enclosure.

[45CSR133 - Permit No. R13-1660 §A.8.]

(Title V permit condition 6.1.8)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- §§60.672(a), (b), & (f) - Particulate matter stack emissions from the Baghouse vents BH2ca, BH3cb, BH6cc, BH7cc and BH8ce shall not exceed 7 percent opacity. Any fugitive emissions from the equipment and transfer points identified in condition 6.1.1 shall not exceed 10 percent opacity
- The opacity requirement set forth in 6.1.11.a. shall apply at all times except during periods of startup, shutdown, and malfunctions

[45CSR13 - Permit No. R13-1660 §B.4., 45CSR16, 40 CFR §60.11(c), 40 CFR §§ 60,672 (a), (b), & (f)]

(Title V permit condition 6.1.11)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [*limestone equipment as defined in conditions 6.1.1. and 6.1.2.*] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11(d)]
(Title V permit condition 6.1.12)

☒ Permit Shield

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

At such reasonable time(s) as the Director may designate, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations as set forth in condition 6.1.2. Test(s) shall be conducted in accordance with condition 6.3.3. contained herein. The Director, or his duly authorized representative, may, at his option, witness or conduct such test. Should the Director exercise his option to conduct such test(s), the operator shall provide all the necessary sampling connections and sampling ports to be located in such manner as the Director may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to comply with generally accepted good safety practices.

[45CSR13 - Permit No. R13-1660 §A.11.]
(Title V permit condition 6.3.1)

Each emissions unit with a visible emissions limit contained in this permit section (Section 6) shall be observed visually at least each calendar month during periods of facility operation for a sufficient time interval to determine if the unit has any visible emissions using 40 C.F.R. 60 Appendix A, Method 22. If visible emissions from any of the affected facilities are observed during these monthly observations, or at any other time, that appear to exceed the allowable visible emission requirement for the affected facility, visible emissions evaluations in accordance with 40 C.F.R. 60 Appendix A, Method 9 shall be conducted immediately. A Method 9 evaluation shall not be required if the visible emissions condition is corrected as expeditiously as possible and recorded, and the cause and corrective measures taken are recorded." A Method 9 evaluation shall not be required if the visible emissions condition is corrected in a timely manner; the emissions unit is operating; and, the cause and corrective measures taken are recorded.

[45CSR13 - Permit No. R13-1660 §A.12.a), 45CSR§30-5.1.c., 45CSR§30-12.7]
(Title V permit condition 6.3.2)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.675(c)(1) - In determining compliance with the particulate matter standards in §60.672 (b) [*condition 6.1.11*] and (c), the owner or operator shall use Method 9 and the procedures in §60.11, with the following additions:
 1. §60.675(c)(1)(i) - The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
 2. §60.675(c)(1)(ii) - The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
- b. §60.675(c)(3) - When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) of 40 CFR Subpart OOO [*condition 6.1.11.*], the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply
 1. §60.675(c)(3)(ii) - There are no individual readings greater than 10 percent opacity; and

2. §60.675(c)(3)(ii) - There are no more than 3 readings of 10 percent for the 1-hour period
- c. §60.675(g) - If, after 30 days notice for an initially scheduled performance test, there is delay (due to operational problems, etc.) in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.

[45CSR13 - Permit No. R13-1660 §B.4.]

(Title V permit condition 6.3.3)

With regard to any testing required by the Director, the permittee shall 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.

[45CSR13 - Permit No. R13-1660 §B.6.]

(Title V permit condition 6.3.4)

A record of each visible emissions observation as required in permit condition 6.3.2. and/or 6.3.3. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR13 - Permit No. R13-1660 §A.12.b)]

(Title V permit condition 6.4.1)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.676(f) - The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672 of Subpart OOO, including reports of opacity observations made using Method 9 to demonstrate compliance with §60.672(b) [*condition 6.1.11.*], (c), and (f).
- b. §60.7(a) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall furnish written notification as follows:

§60.7(a) (4) - A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies.

- c. §60.7(b) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment.

[45CSR13 - Permit No. R13-1660 §B.4.]

(Title V permit condition 6.5.1)

All notifications and reports required pursuant to 40 CFR 60 under §60.7 shall be forwarded to the WVDAQ and USEPA as outlined in permit condition 3.5.3.

[45CSR13 - Permit No. R13-1660 §B.8.]

(Title V permit condition 6.5.2)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>		<i>Limestone Unloading Conveyor</i>	
Emission unit ID number: MTST-00-SAR-CNV-A	Emission unit name: Source for emission point MS38	List any control devices associated with this emission unit: FE / BH3cb (DC#6)	
Provide a description of the emission unit (type, method of operation, design parameters, etc.) 36 inch limestone conveyor (4sa) from unloading feeders to sample system and storage dome			
Manufacturer: Montague	Model number: N/A	Serial number: N/A	
Construction date: 1994	Installation date: 1994	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 600 TPH			
Maximum Hourly Throughput: 600 TPH	Maximum Annual Throughput: 354,000 TPY	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.004	0.001
Total Particulate Matter (TSP)	0.01	0.002
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

In accordance with the information filed in Permit Application R13-1660C, and any amendments thereto, the following maximum throughputs shall not be exceeded, and, at a minimum, the following control equipment shall be installed, maintained, and operated so as to minimize particulate matter emissions:

Equipment ID No.	Description	Maximum Capacity		Control Equipment ¹	Associated Transfer Points		
		TPH	TPY		Location B- Before A- After	ID No.	Control Equip-ment ¹
Limestone Crushing Circuit							
4sa	Storage Pile Conveyor	440	354,000	FE	B A	3cb 5c	4sa

¹ BH - Baghouse, FE - Full Enclosure, PE - Partial Enclosure, UG - Underground Reclaim

[45CSR13 - Permit No. R13-1660 §A.1.]

(Title V permit condition 6.1.1)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- §§60.672(a), (b), & (f) - Particulate matter stack emissions from the Baghouse vents BH2ca, BH3cb, BH6cc, BH7cc and BH8ce shall not exceed 7 percent opacity. Any fugitive emissions from the equipment and transfer points identified in condition 6.1.1 shall not exceed 10 percent opacity
- The opacity requirement set forth in 6.1.11.a. shall apply at all times except during periods of startup, shutdown, and malfunctions

[45CSR13 - Permit No. R13-1660 §B.4., 45CSR16, 40 CFR §60.11(c), 40 CFR §§ 60,672 (a), (b), & (f)]

(Title V permit condition 6.1.11)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [limestone equipment as defined in conditions 6.1.1. and 6.1.2.] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11(d)]

(Title V permit condition 6.1.12)

☒ Permit Shield

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

At such reasonable time(s) as the Director may designate, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations as set forth in condition 6.1.2. Test(s) shall be conducted in accordance with condition 6.3.3. contained herein. The Director, or his duly authorized representative, may, at his option, witness or conduct such test. Should the Director exercise his option to conduct such test(s), the operator

shall provide all the necessary sampling connections and sampling ports to be located in such manner as the Director may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to comply with generally accepted good safety practices.

[45CSR13 - Permit No. R13-1660 §A.11.]

(Title V permit condition 6.3.1)

Each emissions unit with a visible emissions limit contained in this permit section (Section 6) shall be observed visually at least each calendar month during periods of facility operation for a sufficient time interval to determine if the unit has any visible emissions using 40 C.F.R. 60 Appendix A, Method 22. If visible emissions from any of the affected facilities are observed during these monthly observations, or at any other time, that appear to exceed the allowable visible emission requirement for the affected facility, visible emissions evaluations in accordance with 40 C.F.R. 60 Appendix A, Method 9 shall be conducted immediately. A Method 9 evaluation shall not be required if the visible emissions condition is corrected as expeditiously as possible and recorded, and the cause and corrective measures taken are recorded." A Method 9 evaluation shall not be required if the visible emissions condition is corrected in a timely manner; the emissions unit is operating; and, the cause and corrective measures taken are recorded.

[45CSR13 - Permit No. R13-1660 §A.12.a), 45CSR§30-5.1.c., 45CSR§30-12.7]

(Title V permit condition 6.3.2)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.675(c)(1) - In determining compliance with the particulate matter standards in §60.672 (b) [condition 6.1.11] and (c), the owner or operator shall use Method 9 and the procedures in §60.11, with the following additions:
 1. §60.675(c)(1)(i) - The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
 2. §60.675(c)(1)(ii) - The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
- b. §60.675(c)(3) - When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) of 40 CFR Subpart OOO [condition 6.1.11.], the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply
 1. §60.675(c)(3)(ii) - There are no individual readings greater than 10 percent opacity; and
 2. §60.675(c)(3)(ii) - There are no more than 3 readings of 10 percent for the 1-hour period
- c. §60.675(g) - If, after 30 days notice for an initially scheduled performance test, there is delay (due to operational problems, etc.) in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.

[45CSR13 - Permit No. R13-1660 §B.4.]

(Title V permit condition 6.3.3)

With regard to any testing required by the Director, the permittee shall 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.

[45CSR13 - Permit No. R13-1660 §B.6.]

(Title V permit condition 6.3.4)

A record of each visible emissions observation as required in permit condition 6.3.2, and/or 6.3.3, shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR13 - Permit No. R13-1660 §A.12.b)]

(Title V permit condition 6.4.1)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.676(f) - The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672 of Subpart OOO, including reports of opacity observations made using Method 9 to demonstrate compliance with §60.672(b) [*condition 6.1.11.*], (c), and (f).

- b. §60.7(a) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall furnish written notification as follows:

§60.7(a) (4) - A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies.

- c. §60.7(b) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment.

[45CSR13 - Permit No. R13-1660 §B.4.]

(Title V permit condition 6.5.1)

All notifications and reports required pursuant to 40 CFR 60 under §60.7 shall be forwarded to the WVDAQ and USEPA as outlined in permit condition 3.5.3.

[45CSR13 - Permit No. R13-1660 §B.8.]

(Title V permit condition 6.5.2)

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		Limestone Sample System
Emission unit ID number: MTST-00-SAR-SM-1 MTST-00-SAR-FDR-1 MTST-00-SAR-CRH-2 (3sg) MTST-00-SAR-FDR-2 MTST-00-SAR-SM-2 MTST-00-SAR-CNV-D (3se)	Emission unit name: Sources for emission point MS39	List any control devices associated with this emission unit: MTST-00-SAR-SM-1 - FE /DC#6 (BH3cb) MTST-00-SAR-FDR-1 - FE /DC#6 (BH3cb) MTST-00-SAR-CRH-2 (3sg) - FE /DC#6 (BH3cb) MTST-00-SAR-FDR-2 - FE /DC#6 (BH3cb) MTST-00-SAR-SM-2 - FE /DC#6 (BH3cb) MTST-00-SAR-CNV-D (3se) - FE /DC#6 (BH3cb)
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Limestone automatic sampling system consisting of: 1 ea primary and secondary sweep samplers, one 25 hp sample crusher (3sg), two sample feeders and one bucket conveyor (3se).		
Manufacturer: MTST-00-SAR-SM-1 – Hebden, Schilbe, and Smith Inc. MTST-00-SAR-FDR-11 – Hebden, Schilbe, and Smith Inc. MTST-00-SAR-CRH-2 (3sg) 1 – Hebden, Schilbe, and Smith Inc. MTST-00-SAR-FDR-21 – Hebden, Schilbe, and Smith Inc. MTST-00-SAR-SM-21 – Hebden, Schilbe, and Smith Inc. MTST-00-SAR-CNV-D (3se) 1 – Hebden, Schilbe, and Smith Inc.	Model number: MTST-00-SAR-SM-1 – N/A MTST-00-SAR-FDR-1 – N/A MTST-00-SAR-CRH-2 (3sg) – N/A MTST-00-SAR-FDR-2 – N/A MTST-00-SAR-SM-2 – N/A MTST-00-SAR-CNV-D (3se) – N/A	Serial number: MTST-00-SAR-SM-1 – N/A MTST-00-SAR-FDR-1 – N/A MTST-00-SAR-CRH-2 (3sg) – N/A MTST-00-SAR-FDR-2 – N/A MTST-00-SAR-SM-2 – N/A MTST-00-SAR-CNV-D (3se) – N/A
Construction date: MTST-00-SAR-SM-1 - 1994 MTST-00-SAR-FDR-1 - 1994 MTST-00-SAR-CRH-2 (3sg) - 1994 MTST-00-SAR-FDR-2 - 1994 MTST-00-SAR-SM-2 - 1994 MTST-00-SAR-CNV-D (3se) - 1994	Installation date: MTST-00-SAR-SM-1 - 1994 MTST-00-SAR-FDR-1 - 1994 MTST-00-SAR-CRH-2 (3sg) - 1994 MTST-00-SAR-FDR-2 - 1994 MTST-00-SAR-SM-2 - 1994 MTST-00-SAR-CNV-D (3se) - 1994	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): MTST-00-SAR-SM-1 MTST-00-SAR-FDR-1 MTST-00-SAR-CRH-2 (3sg) MTST-00-SAR-FDR-2 MTST-00-SAR-SM-2 MTST-00-SAR-CNV-D (3se) – 2,250 lbs/hr		
Maximum Hourly Throughput: MTST-00-SAR-SM-1 MTST-00-SAR-FDR-1 MTST-00-SAR-CRH-2 (3sg) MTST-00-SAR-FDR-2 MTST-00-SAR-SM-2 MTST-00-SAR-CNV-D (3se) 2,250 Lbs	Maximum Annual Throughput: MTST-00-SAR-SM-1 MTST-00-SAR-FDR-1 MTST-00-SAR-CRH-2 (3sg) MTST-00-SAR-FDR-2 MTST-00-SAR-SM-2 MTST-00-SAR-CNV-D (3se) 261 tons/year	Maximum Operating Schedule: MTST-00-SAR-SM-1 - 8760 HR/YR MTST-00-SAR-FDR-1 - 8760 HR/YR MTST-00-SAR-CRH-2 (3sg) - 8760 HR/YR MTST-00-SAR-FDR-2 - 8760 HR/YR MTST-00-SAR-SM-2 – 8760 HR/YR MTST-00-SAR-CNV-D (3se) - 8760 HR/YR

Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	2.78E-04	5.19E-06
Total Particulate Matter (TSP)	5.89E-04	1.10E-05
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

In accordance with the information filed in Permit Application R13-1660C, and any amendments thereto, the following maximum throughputs shall not be exceeded, and, at a minimum, the following control equipment shall be installed, maintained, and operated so as to minimize particulate matter emissions:

Equipment ID No.	Description	Maximum Capacity		Control Equipment ¹	Associated Transfer Points		
		TPH	TPY		Location B- Before A- After	ID No.	Control Equip- ment ¹
Limestone Crushing Circuit							
3se	Sample Crusher Conveyer	440	354,000	FE, BH	B A	n/a 3ca	UG FE
3sg	Sample Crusher	7	261	FE, BH	B A	3ca 3cb	FE BH

¹ BH - Baghouse, FE - Full Enclosure, PE - Partial Enclosure, UG - Underground Reclaim

[45CSR13 - Permit No. R13-1660 §A.1.]

(Title V permit condition 6.1.1)

Particulate matter (PM) emissions from the following emission points shall not exceed the specified limitations, and the units shall maintain the minimum collection efficiency:

Control Device ID No.	Control Device Type	Emission Point ID No.	Maximum Emission Limit (lb/hour) ¹	Maximum Emission Limit (tons/year)	Maximum Emission Limit (gr/dscf) ²	Maximum Collection Efficiency (%)
3cb	Baghouse	3e	<0.01	<0.01	0.022	99.80

¹ These limits are considered instantaneous limits and represent limits for Total Suspended Particulate and Particulate Matter less than 10 microns.

² Pursuant to 40.672(a)(1) and in grains/dry standard cubic feet

*Note – 7cc is listed as Dust Collector #5 and 8ce is listed as Dust Collector #7 in Section 1.0 Emission Table to coincide with plant labeling

[45CSR13 - Permit No. R13-1660 §A.2., 45CSR16, 40 CFR §60.672(a)(1)]

(Title V permit condition 6.1.2)

The maximum quantity of stone processed by the sample crusher, identified under condition 6.1.1. as 3sg (MTST-00-SAR-CRH-2), shall not exceed 7 tons per hour or 261 tons per year. Compliance with the processing limit shall be determined using a rolling yearly total.

[45CSR13 - Permit No. R13-1660 §A.4.]

(Title V permit condition 6.1.4)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- §§60.672(a), (b), & (f) - Particulate matter stack emissions from the Baghouse vents BH2ca, BH3cb, BH6cc, BH7cc and BH8ce shall not exceed 7 percent opacity. Any fugitive emissions from the equipment and transfer points identified in condition 6.1.1 shall not exceed 10 percent opacity
- The opacity requirement set forth in 6.1.11.a. shall apply at all times except during periods of startup,

shutdown, and malfunctions

[45CSR13 - Permit No. R13-1660 §B.4., 45CSR16, 40 CFR §60.11(c), 40 CFR §§ 60,672 (a), (b), & (f)]
(Title V permit condition 6.1.11)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [*limestone equipment as defined in conditions 6.1.1. and 6.1.2.*] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11(d)]
(Title V permit condition 6.1.12)

☒ Permit Shield

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

At such reasonable time(s) as the Director may designate, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations as set forth in condition 6.1.2. Test(s) shall be conducted in accordance with condition 6.3.3. contained herein. The Director, or his duly authorized representative, may, at his option, witness or conduct such test. Should the Director exercise his option to conduct such test(s), the operator shall provide all the necessary sampling connections and sampling ports to be located in such manner as the Director may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to comply with generally accepted good safety practices.

[45CSR13 - Permit No. R13-1660 §A.11.]
(Title V permit condition 6.3.1)

Each emissions unit with a visible emissions limit contained in this permit section (Section 6) shall be observed visually at least each calendar month during periods of facility operation for a sufficient time interval to determine if the unit has any visible emissions using 40 C.F.R. 60 Appendix A, Method 22. If visible emissions from any of the affected facilities are observed during these monthly observations, or at any other time, that appear to exceed the allowable visible emission requirement for the affected facility, visible emissions evaluations in accordance with 40 C.F.R. 60 Appendix A, Method 9 shall be conducted immediately. A Method 9 evaluation shall not be required if the visible emissions condition is corrected as expeditiously as possible and recorded, and the cause and corrective measures taken are recorded." A Method 9 evaluation shall not be required if the visible emissions condition is corrected in a timely manner; the emissions unit is operating; and, the cause and corrective measures taken are recorded.

[45CSR13 - Permit No. R13-1660 §A.12.a), 45CSR§30-5.1.c., 45CSR§30-12.7]
(Title V permit condition 6.3.2)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.675(c)(1) - In determining compliance with the particulate matter standards in §60.672 (b) [condition 6.1.11] and (c), the owner or operator shall use Method 9 and the procedures in §60.11, with the following additions:
 1. §60.675(c)(1)(i) - The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
 2. §60.675(c)(1)(ii) - The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
- b. §60.675(c)(3) - When determining compliance with the fugitive emissions standard for any affected facility

described under §60.672(b) of 40 CFR Subpart OOO [*condition 6.1.11.*], the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply

1. §60.675(c)(3)(ii) - There are no individual readings greater than 10 percent opacity; and
2. §60.675(c)(3)(ii) - There are no more than 3 readings of 10 percent for the 1-hour period
- c. §60.675(g) - If, after 30 days notice for an initially scheduled performance test, there is delay (due to operational problems, etc.) in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.

[45CSR13 - Permit No. R13-1660 §B.4.]

(Title V permit condition 6.3.3)

With regard to any testing required by the Director, the permittee shall 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.

[45CSR13 - Permit No. R13-1660 §B.6.]

(Title V permit condition 6.3.4)

A record of each visible emissions observation as required in permit condition 6.3.2. and/or 6.3.3. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR13 - Permit No. R13-1660 §A.12.b)]

(Title V permit condition 6.4.1)

For the purposes of determining compliance with maximum throughput limits set forth in conditions 6.1.3., 6.1.4., and 6.1.5. the applicant shall maintain monthly records of the throughputs of the specified materials. For the purposes of determining compliance with the water truck requirement in condition 6.1.7., the applicant shall maintain a daily and monthly record of water truck usage. Such records shall be retained by the permittee for at least five (5) years. Certified records shall be made available to the Director or his/her duly authorized representative upon request.

[45CSR13 - Permit No. R13-1660 §B.7.]

(Title V permit condition 6.4.2)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.676(f) - The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672 of Subpart OOO, including reports of opacity observations made using Method 9 to demonstrate compliance with §60.672(b) [*condition 6.1.11.*], (c), and (f).

- b. §60.7(a) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall furnish written notification as follows:

§60.7(a) (4) - A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies.

- c. §60.7(b) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment.

[45CSR13 - Permit No. R13-1660 §B.4.]

(Title V permit condition 6.5.1)

All notifications and reports required pursuant to 40 CFR 60 under §60.7 shall be forwarded to the WVDAQ and USEPA as outlined in permit condition 3.5.3.

[45CSR13 - Permit No. R13-1660 §B.8.]

(Title V permit condition 6.5.2)

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

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description		Limestone Reclaim	
Emission unit ID number: MTST-00-BLD-LS-D (5sa) MTST-00-SAR-FDR-2A MTST-00-SAR-FDR-2B MTST-00-SAR-FDR-2C	Emission unit name: Sources for emission point MS40	List any control devices associated with this emission unit: MTST-00-BLD-LS-D (5sa) - FE MTST-00-SAR-FDR-2A - UG / BH6cc (DC#4) MTST-00-SAR-FDR-2B - UG / BH6cc (DC#4) MTST-00-SAR-FDR-2C - UG / BH6cc (DC#4)	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Concrete Limestone Storage Dome (5sa) Three Vibratory Limestone Reclaim Feeders to Conveyor MTST-00-SAR-CNV-B			
Manufacturer: MTST-00-BLD-LS-D (5sa) - Horrell Harrington Engineering MTST-00-SAR-FDR-2A - Kinergy MTST-00-SAR-FDR-2B - Kinergy MTST-00-SAR-FDR-2C - Kinergy	Model number: MTST-00-BLD-LS-D (5sa) -N/A MTST-00-SAR-FDR-2A- KDF-24 HDDT MTST-00-SAR-FDR-2B- KDF-24 HDDT MTST-00-SAR-FDR-2C - KDF-24 HDDT	Serial number: MTST-00-BLD-LS-D (5sa) -N/A MTST-00-SAR-FDR-2A- N/A MTST-00-SAR-FDR-2B- N/A MTST-00-SAR-FDR-2C - N/A	
Construction date: MTST-00-BLD-LS-D (5sa) – 1997 MTST-00-SAR-FDR-2A- 1994 MTST-00-SAR-FDR-2B- 1994 MTST-00-SAR-FDR-2C - 1994	Installation date: MTST-00-BLD-LS-D (5sa) –N/A MTST-00-SAR-FDR-2A- 1994 MTST-00-SAR-FDR-2B- 1994 MTST-00-SAR-FDR-2C - 1994	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): MTST-00-BLD-LS-D (5sa) – 10,000 tons			
Maximum Hourly Throughput: MTST-00-BLD-LS-D (5sa) – 400 TN MTST-00-SAR-FDR-2A- 400 TN MTST-00-SAR-FDR-2B- 400 TN MTST-00-SAR-FDR-2C - 400 TN	Maximum Annual Throughput: 354,000 tons/year	Maximum Operating Schedule: 8,760 hrs/year	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.02	0.01
Total Particulate Matter (TSP)	0.04	0.02
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

In accordance with the information filed in Permit Application R13-1660C, and any amendments thereto, the following maximum throughputs shall not be exceeded, and, at a minimum, the following control equipment shall be installed, maintained, and operated so as to minimize particulate matter emissions:

Equipment ID No.	Description	Maximum Capacity		Control Equipment ¹	Associated Transfer Points		
		TPH	TPY		Location B- Before A- After	ID No.	Control Equip-ment ¹
Limestone Crushing Circuit							
5sa	Storage Pile (30,000 ton)	n/a	354,000	FE	B A	5c n/a	FE UG

¹ BH - Baghouse, FE - Full Enclosure, PE - Partial Enclosure, UG - Underground Reclaim

[45CSR13 - Permit No. R13-1660 §A.1.]

(Title V permit condition 6.1.1)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- §§60.672(a), (b), & (f) - Particulate matter stack emissions from the Baghouse vents BH2ca, BH3cb, BH6cc, BH7cc and BH8ce shall not exceed 7 percent opacity. Any fugitive emissions from the equipment and transfer points identified in condition 6.1.1 shall not exceed 10 percent opacity
- The opacity requirement set forth in 6.1.11.a. shall apply at all times except during periods of startup, shutdown, and malfunctions

[45CSR13 - Permit No. R13-1660 §B.4., 45CSR16, 40 CFR §60.11(c), 40 CFR §§ 60,672 (a), (b), & (f)]

(Title V permit condition 6.1.11)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [*limestone equipment as defined in conditions 6.1.1. and 6.1.2.*] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11(d)]

(Title V permit condition 6.1.12)

☒ Permit Shield

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

At such reasonable time(s) as the Director may designate, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations as set forth in condition 6.1.2. Test(s) shall be conducted in accordance with condition 6.3.3. contained herein. The Director, or his duly authorized representative, may, at his option, witness or conduct such test. Should the Director exercise his option to conduct such test(s), the operator shall provide all the necessary sampling connections and sampling ports to be located in such manner as the Director may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to comply with generally accepted good safety practices.

[45CSR13 - Permit No. R13-1660 §A.11.]

(Title V permit condition 6.3.1)

Each emissions unit with a visible emissions limit contained in this permit section (Section 6) shall be observed visually at least each calendar month during periods of facility operation for a sufficient time interval to determine if the unit has any visible emissions using 40 C.F.R. 60 Appendix A, Method 22. If visible emissions from any of the affected facilities are observed during these monthly observations, or at any other time, that appear to exceed the allowable visible emission requirement for the affected facility, visible emissions evaluations in accordance with 40 C.F.R. 60 Appendix A, Method 9 shall be conducted immediately. A Method 9 evaluation shall not be required if the visible emissions condition is corrected as expeditiously as possible and recorded, and the cause and corrective measures taken are recorded." A Method 9 evaluation shall not be required if the visible emissions condition is corrected in a timely manner; the emissions unit is operating; and, the cause and corrective measures taken are recorded.

[45CSR13 - Permit No. R13-1660 §A.12.a), 45CSR§30-5.1.c., 45CSR§30-12.7]

(Title V permit condition 6.3.2)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.675(c)(1) - In determining compliance with the particulate matter standards in §60.672 (b) [condition 6.1.11] and (c), the owner or operator shall use Method 9 and the procedures in §60.11, with the following additions:
 1. §60.675(c)(1)(i) - The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
 2. §60.675(c)(1)(ii) - The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
- b. §60.675(c)(3) - When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) of 40 CFR Subpart OOO [condition 6.1.11.], the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply
 1. §60.675(c)(3)(ii) - There are no individual readings greater than 10 percent opacity; and
 2. §60.675(c)(3)(ii) - There are no more than 3 readings of 10 percent for the 1-hour period
- c. §60.675(g) - If, after 30 days notice for an initially scheduled performance test, there is delay (due to operational problems, etc.) in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.

[45CSR13 - Permit No. R13-1660 §B.4.]

(Title V permit condition 6.3.3)

With regard to any testing required by the Director, the permittee shall 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.

[45CSR13 - Permit No. R13-1660 §B.6.]

(Title V permit condition 6.3.4)

A record of each visible emissions observation as required in permit condition 6.3.2. and/or 6.3.3. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR13 - Permit No. R13-1660 §A.12.b)]

(Title V permit condition 6.4.1)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.676(f) - The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672 of Subpart OOO, including reports of opacity observations made using Method 9 to demonstrate compliance with §60.672(b) [*condition 6.1.11.*], (c), and (f).
- b. §60.7(a) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall furnish written notification as follows:
 - §60.7(a) (4) - A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies.
- c. §60.7(b) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment.

[45CSR13 - Permit No. R13-1660 §B.4.]

(Title V permit condition 6.5.1)

All notifications and reports required pursuant to 40 CFR 60 under §60.7 shall be forwarded to the WVDAQ and USEPA as outlined in permit condition 3.5.3.

[45CSR13 - Permit No. R13-1660 §B.8.]

(Title V permit condition 6.5.2)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>		<i>Limestone Reclaim Conveyor</i>	
Emission unit ID number: MTST-00-SAR-CNV-B	Emission unit name: Source for Emission point MS41	List any control devices associated with this emission unit: FE / BH6cc (DC#4)	
Provide a description of the emission unit (type, method of operation, design parameters, etc.) 36 inch Limestone Conveyor (6sd) from Reclaim Feeders to Limestone Crusher MTST-00-SAR-CRH-1 Tramp metal magnet building			
Manufacturer: Montague	Model number: N/A	Serial number: N/A	
Construction date: 1994	Installation date: 1994	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 400 TPH			
Maximum Hourly Throughput: 400 TN	Maximum Annual Throughput: 354,000 TN	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	5.87E-03	2.57E-02
Total Particulate Matter (TSP)	1.24E-02	5.43E-02
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

In accordance with the information filed in Permit Application R13-1660C, and any amendments thereto, the following maximum throughputs shall not be exceeded, and, at a minimum, the following control equipment shall be installed, maintained, and operated so as to minimize particulate matter emissions:

Equipment ID No.	Description	Maximum Capacity		Control Equipment ¹	Associated Transfer Points		
		TPH	TPY		Location B- Before A- After	ID No.	Control Equip-ment ¹
Limestone Crushing Circuit							
6sd	Primary Crusher Conveyer	250	354,000	FE	B A	n/a 7cc	UG BH
n/a	Tramp Metal Magnet Building	250	354,000	FE	n/a	n/a	n/a

¹ BH - Baghouse, FE - Full Enclosure, PE - Partial Enclosure, UG - Underground Reclaim

[45CSR13 - Permit No. R13-1660 §A.1.]

(Title V permit condition 6.1.1)

Particulate matter (PM) emissions from the following emission points shall not exceed the specified limitations, and the units shall maintain the minimum collection efficiency:

Control Device ID NO.	Control Device Type	Emission Point ID No.	Maximum Emission Limit (lb/hour) ¹	Maximum Emission Limit (tons/year)	Maximum Emission Limit (gr/dscf) ²	Maximum Collection Efficiency (%)
6cc	Baghouse	6e	<0.01	<0.01	0.022	99.80

¹ These limits are considered instantaneous limits and represent limits for Total Suspended Particulate and Particulate Matter less than 10 microns.

² Pursuant to 40.672(a)(1) and in grains/dry standard cubic feet

*Note – 7cc is listed as Dust Collector #5 and 8ce is listed as Dust Collector #7 in Section 1.0 Emission Table to coincide with plant labeling

[45CSR13 - Permit No. R13-1660 §A.2., 45CSR16, 40 CFR §60.672(a)(1)]

(Title V permit condition 6.1.2)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- §§60.672(a), (b), & (f) - Particulate matter stack emissions from the Baghouse vents BH2ca, BH3cb, BH6cc, BH7cc and BH8ce shall not exceed 7 percent opacity. Any fugitive emissions from the equipment and transfer points identified in condition 6.1.1 shall not exceed 10 percent opacity
- The opacity requirement set forth in 6.1.11.a. shall apply at all times except during periods of startup, shutdown, and malfunctions

[45CSR13 - Permit No. R13-1660 §B.4., 45CSR16, 40 CFR §60.11(c), 40 CFR §§ 60,672 (a), (b), & (f)]

(Title V permit condition 6.1.11)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [limestone equipment as defined in conditions 6.1.1. and 6.1.2.] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for

minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11(d)]
(Title V permit condition 6.1.12)

☒ Permit Shield

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

At such reasonable time(s) as the Director may designate, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations as set forth in condition 6.1.2. Test(s) shall be conducted in accordance with condition 6.3.3. contained herein. The Director, or his duly authorized representative, may, at his option, witness or conduct such test. Should the Director exercise his option to conduct such test(s), the operator shall provide all the necessary sampling connections and sampling ports to be located in such manner as the Director may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to comply with generally accepted good safety practices.

[45CSR13 - Permit No. R13-1660 §A.11.]
(Title V permit condition 6.3.1)

Each emissions unit with a visible emissions limit contained in this permit section (Section 6) shall be observed visually at least each calendar month during periods of facility operation for a sufficient time interval to determine if the unit has any visible emissions using 40 C.F.R. 60 Appendix A, Method 22. If visible emissions from any of the affected facilities are observed during these monthly observations, or at any other time, that appear to exceed the allowable visible emission requirement for the affected facility, visible emissions evaluations in accordance with 40 C.F.R. 60 Appendix A, Method 9 shall be conducted immediately. A Method 9 evaluation shall not be required if the visible emissions condition is corrected as expeditiously as possible and recorded, and the cause and corrective measures taken are recorded." A Method 9 evaluation shall not be required if the visible emissions condition is corrected in a timely manner; the emissions unit is operating; and, the cause and corrective measures taken are recorded.

[45CSR13 - Permit No. R13-1660 §A.12.a), 45CSR§30-5.1.c., 45CSR§30-12.7]
(Title V permit condition 6.3.2)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.675(c)(1) - In determining compliance with the particulate matter standards in §60.672 (b) [condition 6.1.11] and (c), the owner or operator shall use Method 9 and the procedures in §60.11, with the following additions:
 1. §60.675(c)(1)(i) - The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
 2. §60.675(c)(1)(ii) - The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
- b. §60.675(c)(3) - When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) of 40 CFR Subpart OOO [condition 6.1.11.], the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply
 1. §60.675(c)(3)(ii) - There are no individual readings greater than 10 percent opacity; and
 2. §60.675(c)(3)(ii) - There are no more than 3 readings of 10 percent for the 1-hour period
- c. §60.675(g) - If, after 30 days notice for an initially scheduled performance test, there is delay (due to operational problems, etc.) in conducting any rescheduled performance test required in this section, the owner

or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.

[45CSR13 - Permit No. R13-1660 §B.4.]
(Title V permit condition 6.3.3)

With regard to any testing required by the Director, the permittee shall 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.

[45CSR13 - Permit No. R13-1660 §B.6.]
(Title V permit condition 6.3.4)

A record of each visible emissions observation as required in permit condition 6.3.2. and/or 6.3.3. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR13 - Permit No. R13-1660 §A.12.b)]
(Title V permit condition 6.4.1)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.676(f) - The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672 of Subpart OOO, including reports of opacity observations made using Method 9 to demonstrate compliance with §60.672(b) [*condition 6.1.11.*], (c), and (f).

- b. §60.7(a) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall furnish written notification as follows:

§60.7(a) (4) - A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies.

- c. §60.7(b) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment.

[45CSR13 - Permit No. R13-1660 §B.4.]
(Title V permit condition 6.5.1)

All notifications and reports required pursuant to 40 CFR 60 under §60.7 shall be forwarded to the WVDAQ and USEPA as outlined in permit condition 3.5.3.

[45CSR13 - Permit No. R13-1660 §B.8.]
(Title V permit condition 6.5.2)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>		<i>Limestone Crusher</i>	
Emission unit ID number: MTST-00-SAR-CRH-1	Emission unit name: Source for emission point MS42	List any control devices associated with this emission unit: FE / DC#5 (BH7cc)	
Provide a description of the emission unit (type, method of operation, design parameters, etc.) 900hp Hammermill Limestone Crusher (7sb) to Limestone Conveyor MTST-00-SAR-CNV-C			
Manufacturer: Pennsylvania Crushers	Model number: T 48 X 82	Serial number: 5995	
Construction date: 1994	Installation date: 1994	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 400 TPH			
Maximum Hourly Throughput: 400 TN	Maximum Annual Throughput: 3,504,000 TN	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	9.60E-03	4.25E-03
Total Particulate Matter (TSP)	2.16E-02	9.56E-03
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 11.19, 8/04</p>		

Applicable Requirements

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

In accordance with the information filed in Permit Application R13-1660C, and any amendments thereto, the following maximum throughputs shall not be exceeded, and, at a minimum, the following control equipment shall be installed, maintained, and operated so as to minimize particulate matter emissions:

Equipment ID No.	Description	Maximum Capacity		Control Equipment ¹	Associated Transfer Points		
		TPH	TPY		Location B- Before A- After	ID No.	Control Equip-ment ¹
Limestone Crushing Circuit							
7sb	Primary Crusher	250	354,000	FE, BH	B A	7cc 7cc	BH BH

¹ BH - Baghouse, FE - Full Enclosure, PE - Partial Enclosure, UG - Underground Reclaim

[45CSR13 - Permit No. R13-1660 §A.1.]**(Title V permit condition 6.1.1)**

Particulate matter (PM) emissions from the following emission points shall not exceed the specified limitations, and the units shall maintain the minimum collection efficiency:

Control Device ID NO.	Control Device Type	Emission Point ID No.	Maximum Emission Limit (lb/hour) ¹	Maximum Emission Limit (tons/year)	Maximum Emission Limit (gr/dscf) ²	Maximum Collection Efficiency (%)
7cc*	Baghouse	7e	<0.01	<0.01	0.022	99.80

¹ These limits are considered instantaneous limits and represent limits for Total Suspended Particulate and Particulate Matter less than 10 microns.

² Pursuant to 40.672(a)(1) and in grains/dry standard cubic feet

*Note – 7cc is listed as Dust Collector #5 and 8ce is listed as Dust Collector #7 in Section 1.0 Emission Table to coincide with plant labeling

[45CSR13 - Permit No. R13-1660 §A.2., 45CSR16, 40 CFR §60.672(a)(1)]**(Title V permit condition 6.1.2)**

The maximum quantity of stone processed by the primary crusher, identified under condition 6.1.1. as 7sb (*MTST-00-SAR-CRH-I*), shall not exceed 354,000 tons per year. Compliance with the processing limit shall be determined using a rolling yearly total. A rolling yearly total shall mean the sum of the stone processed at any given time for the previous twelve (12) consecutive calendar months.

[45CSR13 - Permit No. R13-1660 §A.3.]**(Title V permit condition 6.1.3)**

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- §§60.672(a), (b), & (f) - Particulate matter stack emissions from the Baghouse vents BH2ca, BH3cb, BH6cc, BH7cc and BH8ce shall not exceed 7 percent opacity. Any fugitive emissions from the equipment and transfer points identified in condition 6.1.1 shall not exceed 10 percent opacity
- The opacity requirement set forth in 6.1.11.a. shall apply at all times except during periods of startup, shutdown, and malfunctions

[45CSR13 - Permit No. R13-1660 §B.4., 45CSR16, 40 CFR §60.11(c), 40 CFR §§ 60.672 (a), (b), & (f)]
(Title V permit condition 6.1.11)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [*limestone equipment as defined in conditions 6.1.1. and 6.1.2.*] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11(d)]
(Title V permit condition 6.1.12)

☒ Permit Shield

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

At such reasonable time(s) as the Director may designate, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations as set forth in condition 6.1.2. Test(s) shall be conducted in accordance with condition 6.3.3. contained herein. The Director, or his duly authorized representative, may, at his option, witness or conduct such test. Should the Director exercise his option to conduct such test(s), the operator shall provide all the necessary sampling connections and sampling ports to be located in such manner as the Director may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to comply with generally accepted good safety practices.

[45CSR13 - Permit No. R13-1660 §A.11.]
(Title V permit condition 6.3.1)

Each emissions unit with a visible emissions limit contained in this permit section (Section 6) shall be observed visually at least each calendar month during periods of facility operation for a sufficient time interval to determine if the unit has any visible emissions using 40 C.F.R. 60 Appendix A, Method 22. If visible emissions from any of the affected facilities are observed during these monthly observations, or at any other time, that appear to exceed the allowable visible emission requirement for the affected facility, visible emissions evaluations in accordance with 40 C.F.R. 60 Appendix A, Method 9 shall be conducted immediately. A Method 9 evaluation shall not be required if the visible emissions condition is corrected as expeditiously as possible and recorded, and the cause and corrective measures taken are recorded." A Method 9 evaluation shall not be required if the visible emissions condition is corrected in a timely manner; the emissions unit is operating; and, the cause and corrective measures taken are recorded.

[45CSR13 - Permit No. R13-1660 §A.12.a), 45CSR§30-5.1.c., 45CSR§30-12.7]
(Title V permit condition 6.3.2)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.675(c)(1) - In determining compliance with the particulate matter standards in §60.672 (b) [condition 6.1.11] and (c), the owner or operator shall use Method 9 and the procedures in §60.11, with the following additions:
 1. §60.675(c)(1)(i) - The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
 2. §60.675(c)(1)(ii) - The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
- b. §60.675(c)(3) - When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) of 40 CFR Subpart OOO [*condition 6.1.11.*], the duration of the Method 9

observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply

1. §60.675(c)(3)(ii) - There are no individual readings greater than 10 percent opacity; and
2. §60.675(c)(3)(ii) - There are no more than 3 readings of 10 percent for the 1-hour period
- c. §60.675(g) - If, after 30 days notice for an initially scheduled performance test, there is delay (due to operational problems, etc.) in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.

[45CSR13 - Permit No. R13-1660 §B.4.]

(Title V permit condition 6.3.3)

With regard to any testing required by the Director, the permittee shall 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.

[45CSR13 - Permit No. R13-1660 §B.6.]

(Title V permit condition 6.3.4)

A record of each visible emissions observation as required in permit condition 6.3.2. and/or 6.3.3. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR13 - Permit No. R13-1660 §A.12.b)]

(Title V permit condition 6.4.1)

For the purposes of determining compliance with maximum throughput limits set forth in conditions 6.1.3., 6.1.4., and 6.1.5. the applicant shall maintain monthly records of the throughputs of the specified materials. For the purposes of determining compliance with the water truck requirement in condition 6.1.7., the applicant shall maintain a daily and monthly record of water truck usage. Such records shall be retained by the permittee for at least five (5) years. Certified records shall be made available to the Director or his/her duly authorized representative upon request.

[45CSR13 - Permit No. R13-1660 §B.7.]

(Title V permit condition 6.4.2)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.676(f) - The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672 of Subpart OOO, including reports of opacity observations made using Method 9 to demonstrate compliance with §60.672(b) [*condition 6.1.11.*], (c), and (f).
- b. §60.7(a) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall furnish written notification as follows:
 - §60.7(a) (4) - A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies.
- c. §60.7(b) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment.

[45CSR13 - Permit No. R13-1660 §B.4.]

(Title V permit condition 6.5.1)

All notifications and reports required pursuant to 40 CFR 60 under §60.7 shall be forwarded to the WVDAQ and USEPA as outlined in permit condition 3.5.3.

[45CSR13 - Permit No. R13-1660 §B.8.]

(Title V permit condition 6.5.2)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>		<i>Limestone Transfer Conveyor</i>	
Emission unit ID number: MTST-00-SAR-CNV-C	Emission unit name: Source for emission point MS43	List any control devices associated with this emission unit: FE / DC#5 (BH7cc)	
Provide a description of the emission unit (type, method of operation, design parameters, etc.) 36 inch Limestone Conveyor from Crusher #1 to Shuttle Conveyor MTST-00-SAR-CNV-1			
Manufacturer: Montague	Model number: N/A	Serial number: N/A	
Construction date: 1994	Installation date: 1994	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 400 TPH			
Maximum Hourly Throughput: 400 TN	Maximum Annual Throughput: 354,000 TN	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	2.65E-03	1.17E-03
Total Particulate Matter (TSP)	5.61E-03	2.48E-03
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

AP-42 Section 13.2.4, 11/06

Applicable Requirements

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

In accordance with the information filed in Permit Application R13-1660C, and any amendments thereto, the following maximum throughputs shall not be exceeded, and, at a minimum, the following control equipment shall be installed, maintained, and operated so as to minimize particulate matter emissions:

Equipment ID No.	Description	Maximum Capacity		Control Equipment ¹	Associated Transfer Points		
		TPH	TPY		Location B- Before A- After	ID No.	Control Equip-ment ¹
Limestone Crushing Circuit							
7sd	Shuttle Conveyer	250	354,000	FE	B A	7cc 8ce	BH BH

¹ BH - Baghouse, FE - Full Enclosure, PE - Partial Enclosure, UG - Underground Reclaim

[45CSR13 - Permit No. R13-1660 §A.1.]

(Title V permit condition 6.1.1)

Particulate matter (PM) emissions from the following emission points shall not exceed the specified limitations, and the units shall maintain the minimum collection efficiency:

Control Device ID NO.	Control Device Type	Emission Point ID No.	Maximum Emission Limit (lb/hour) ¹	Maximum Emission Limit (tons/year)	Maximum Emission Limit (gr/dscf) ²	Maximum Collection Efficiency (%)
7cc*	Baghouse	7e	<0.01	<0.01	0.022	99.80

¹ These limits are considered instantaneous limits and represent limits for Total Suspended Particulate and Particulate Matter less than 10 microns.

² Pursuant to 40.672(a)(1) and in grains/dry standard cubic feet

*Note – 7cc is listed as Dust Collector #5 and 8ce is listed as Dust Collector #7 in Section 1.0 Emission Table to coincide with plant labeling

[45CSR13 - Permit No. R13-1660 §A.2., 45CSR16, 40 CFR §60.672(a)(1)]

(Title V permit condition 6.1.2)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- §§60.672(a), (b), & (f) - Particulate matter stack emissions from the Baghouse vents BH2ca, BH3cb, BH6cc, BH7cc and BH8ce shall not exceed 7 percent opacity. Any fugitive emissions from the equipment and transfer points identified in condition 6.1.1 shall not exceed 10 percent opacity
- The opacity requirement set forth in 6.1.11.a. shall apply at all times except during periods of startup, shutdown, and malfunctions

[45CSR13 - Permit No. R13-1660 §B.4., 45CSR16, 40 CFR §60.11(c), 40 CFR §§ 60.672 (a), (b), & (f)]

(Title V permit condition 6.1.11)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [limestone equipment as defined in conditions 6.1.1. and 6.1.2.] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be

based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11(d)]
(Title V permit condition 6.1.12)

 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.)

At such reasonable time(s) as the Director may designate, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations as set forth in condition 6.1.2. Test(s) shall be conducted in accordance with condition 6.3.3. contained herein. The Director, or his duly authorized representative, may, at his option, witness or conduct such test. Should the Director exercise his option to conduct such test(s), the operator shall provide all the necessary sampling connections and sampling ports to be located in such manner as the Director may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to comply with generally accepted good safety practices.

[45CSR13 - Permit No. R13-1660 §A.11.]
(Title V permit condition 6.3.1)

Each emissions unit with a visible emissions limit contained in this permit section (Section 6) shall be observed visually at least each calendar month during periods of facility operation for a sufficient time interval to determine if the unit has any visible emissions using 40 C.F.R. 60 Appendix A, Method 22. If visible emissions from any of the affected facilities are observed during these monthly observations, or at any other time, that appear to exceed the allowable visible emission requirement for the affected facility, visible emissions evaluations in accordance with 40 C.F.R. 60 Appendix A, Method 9 shall be conducted immediately. A Method 9 evaluation shall not be required if the visible emissions condition is corrected as expeditiously as possible and recorded, and the cause and corrective measures taken are recorded." A Method 9 evaluation shall not be required if the visible emissions condition is corrected in a timely manner; the emissions unit is operating; and, the cause and corrective measures taken are recorded.

[45CSR13 - Permit No. R13-1660 §A.12.a), 45CSR§30-5.1.c., 45CSR§30-12.7]
(Title V permit condition 6.3.2)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.675(c)(1) - In determining compliance with the particulate matter standards in §60.672 (b) [condition 6.1.11] and (c), the owner or operator shall use Method 9 and the procedures in §60.11, with the following additions:
 1. §60.675(c)(1)(i) - The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
 2. §60.675(c)(1)(ii) - The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
- b. §60.675(c)(3) - When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) of 40 CFR Subpart OOO [condition 6.1.11.], the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply
 1. §60.675(c)(3)(ii) - There are no individual readings greater than 10 percent opacity; and
 2. §60.675(c)(3)(ii) - There are no more than 3 readings of 10 percent for the 1-hour period
- c. §60.675(g) - If, after 30 days notice for an initially scheduled performance test, there is delay (due to operational problems, etc.) in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any

rescheduled performance test.

[45CSR13 - Permit No. R13-1660 §B.4.]

(Title V permit condition 6.3.3)

With regard to any testing required by the Director, the permittee shall 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.

[45CSR13 - Permit No. R13-1660 §B.6.]

(Title V permit condition 6.3.4)

A record of each visible emissions observation as required in permit condition 6.3.2. and/or 6.3.3. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR13 - Permit No. R13-1660 §A.12.b)]

(Title V permit condition 6.4.1)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

a. §60.676(f) - The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672 of Subpart OOO, including reports of opacity observations made using Method 9 to demonstrate compliance with §60.672(b) [*condition 6.1.11.*], (c), and (f).

b. §60.7(a) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall furnish written notification as follows:

§60.7(a) (4) - A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies.

c. §60.7(b) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment.

[45CSR13 - Permit No. R13-1660 §B.4.]

(Title V permit condition 6.5.1)

All notifications and reports required pursuant to 40 CFR 60 under §60.7 shall be forwarded to the WVDAQ and USEPA as outlined in permit condition 3.5.3.

[45CSR13 - Permit No. R13-1660 §B.8.]

(Title V permit condition 6.5.2)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>		<i>Limestone Shuttle Conveyor</i>	
Emission unit ID number: MTST-00-SAR-CNV-1 (7sd)	Emission unit name: Source for emission point MS44	List any control devices associated with this emission unit: FE / DC#7 (BH8ce)	
Provide a description of the emission unit (type, method of operation, design parameters, etc.) Limestone Shuttle Conveyor (7sd) to Silo's MTST-03-SAR-TK-1A & 1B and MTST-00-SAR-TK-1A & 1B			
Manufacturer: Montague	Model number: N/A	Serial number: N/A	
Construction date: 1994	Installation date: 1994	Modification date(s): 2001	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 400 TPH			
Maximum Hourly Throughput: 400 TN	Maximum Annual Throughput: 354,000 TN	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.003	0.001
Total Particulate Matter (TSP)	0.006	0.002
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

In accordance with the information filed in Permit Application R13-1660C, and any amendments thereto, the following maximum throughputs shall not be exceeded, and, at a minimum, the following control equipment shall be installed, maintained, and operated so as to minimize particulate matter emissions:

Equipment ID No.	Description	Maximum Capacity		Control Equipment ¹	Associated Transfer Points		
		TPH	TPY		Location B- Before A- After	ID No.	Control Equip-ment ¹
Limestone Crushing Circuit							
7sd	Shuttle Conveyer	250	354,000	FE	B A	7cc 8ce	BH BH

¹ BH - Baghouse, FE - Full Enclosure, PE - Partial Enclosure, UG - Underground Reclaim

[45CSR13 - Permit No. R13-1660 §A.1.]**(Title V permit condition 6.1.1)**

Particulate matter (PM) emissions from the following emission points shall not exceed the specified limitations, and the units shall maintain the minimum collection efficiency:

Control Device ID NO.	Control Device Type	Emission Point ID No.	Maximum Emission Limit (lb/hour) ¹	Maximum Emission Limit (tons/year)	Maximum Emission Limit (gr/dscf) ²	Maximum Collection Efficiency (%)
8ce*	Baghouse	8e	<0.01	<0.01	0.022	99.80

¹ These limits are considered instantaneous limits and represent limits for Total Suspended Particulate and Particulate Matter less than 10 microns.

² Pursuant to 40.672(a)(1) and in grains/dry standard cubic feet

*Note – 7cc is listed as Dust Collector #5 and 8ce is listed as Dust Collector #7 in Section 1.0 Emission Table to coincide with plant labeling

[45CSR13 - Permit No. R13-1660 §A.2., 45CSR16, 40 CFR §60.672(a)(1)]**(Title V permit condition 6.1.2)**

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- §§60.672(a), (b), & (f) - Particulate matter stack emissions from the Baghouse vents BH2ca, BH3cb, BH6cc, BH7cc and BH8ce shall not exceed 7 percent opacity. Any fugitive emissions from the equipment and transfer points identified in condition 6.1.1 shall not exceed 10 percent opacity
- The opacity requirement set forth in 6.1.11.a. shall apply at all times except during periods of startup, shutdown, and malfunctions

[45CSR13 - Permit No. R13-1660 §B.4., 45CSR16, 40 CFR §60.11(c), 40 CFR §§ 60,672 (a), (b), & (f)]**(Title V permit condition 6.1.11)**

At all times, including periods of startup, shutdown, and malfunction, any affected facility [*limestone equipment as defined in conditions 6.1.1. and 6.1.2.*] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity

observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11(d)]

(Title V permit condition 6.1.12)

 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.)

At such reasonable time(s) as the Director may designate, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations as set forth in condition 6.1.2. Test(s) shall be conducted in accordance with condition 6.3.3. contained herein. The Director, or his duly authorized representative, may, at his option, witness or conduct such test. Should the Director exercise his option to conduct such test(s), the operator shall provide all the necessary sampling connections and sampling ports to be located in such manner as the Director may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to comply with generally accepted good safety practices.

[45CSR13 - Permit No. R13-1660 §A.11.]

(Title V permit condition 6.3.1)

Each emissions unit with a visible emissions limit contained in this permit section (Section 6) shall be observed visually at least each calendar month during periods of facility operation for a sufficient time interval to determine if the unit has any visible emissions using 40 C.F.R. 60 Appendix A, Method 22. If visible emissions from any of the affected facilities are observed during these monthly observations, or at any other time, that appear to exceed the allowable visible emission requirement for the affected facility, visible emissions evaluations in accordance with 40 C.F.R. 60 Appendix A, Method 9 shall be conducted immediately. A Method 9 evaluation shall not be required if the visible emissions condition is corrected as expeditiously as possible and recorded, and the cause and corrective measures taken are recorded." A Method 9 evaluation shall not be required if the visible emissions condition is corrected in a timely manner; the emissions unit is operating; and, the cause and corrective measures taken are recorded.

[45CSR13 - Permit No. R13-1660 §A.12.a), 45CSR§30-5.1.c., 45CSR§30-12.7]

(Title V permit condition 6.3.2)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.675(c)(1) - In determining compliance with the particulate matter standards in §60.672 (b) [condition 6.1.11] and (c), the owner or operator shall use Method 9 and the procedures in §60.11, with the following additions:
 1. §60.675(c)(1)(i) - The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
 2. §60.675(c)(1)(ii) - The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
- b. §60.675(c)(3) - When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) of 40 CFR Subpart OOO [condition 6.1.11.], the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply
 1. §60.675(c)(3)(ii) - There are no individual readings greater than 10 percent opacity; and
 2. §60.675(c)(3)(ii) - There are no more than 3 readings of 10 percent for the 1-hour period
- c. §60.675(g) - If, after 30 days notice for an initially scheduled performance test, there is delay (due to operational problems, etc.) in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.

[45CSR13 - Permit No. R13-1660 §B.4.]

(Title V permit condition 6.3.3)

With regard to any testing required by the Director, the permittee shall 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.

[45CSR13 - Permit No. R13-1660 §B.6.]

(Title V permit condition 6.3.4)

A record of each visible emissions observation as required in permit condition 6.3.2. and/or 6.3.3. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR13 - Permit No. R13-1660 §A.12.b)]

(Title V permit condition 6.4.1)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.676(f) - The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672 of Subpart OOO, including reports of opacity observations made using Method 9 to demonstrate compliance with §60.672(b) [*condition 6.1.11.*], (c), and (f).

- b. §60.7(a) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall furnish written notification as follows:

§60.7(a) (4) - A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies.

- c. §60.7(b) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment.

[45CSR13 - Permit No. R13-1660 §B.4.]

(Title V permit condition 6.5.1)

All notifications and reports required pursuant to 40 CFR 60 under §60.7 shall be forwarded to the WVDAQ and USEPA as outlined in permit condition 3.5.3.

[45CSR13 - Permit No. R13-1660 §B.8.]

(Title V permit condition 6.5.2)

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

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

ATTACHMENT E - Emission Unit Form

<i>Emission Unit Description</i>			<i>Scrubber Limestone Preparation</i>		
Emission unit ID number: MTST-03-SAR-TK-1A (8sa) MTST-03-SAR-TK-1B (8sb) MTST-00-SAR-TK-1A (8sc) MTST-00-SAR-TK-1B (8sd) MTST-03-SAP-FDR-1A MTST-03-SAP-FDR-1B MTST-00-SAP-FDR-1A MTST-00-SAP-FDR-1B	Emission unit name: Sources for emission point MS45	List any control devices associated with this emission unit: MTST-03-SAR-TK-1A - FE / DC#7 (BH8ce) MTST-03-SAR-TK-1B - FE / DC#7 (BH8ce) MTST-00-SAR-TK-1A - FE / DC#7 (BH8ce) MTST-00-SAR-TK-1B - FE / DC#7 (BH8ce) MTST-03-SAP-FDR-1A - FE / DC#7 (BH8ce) MTST-03-SAP-FDR-1B - FE / DC#7 (BH8ce) MTST-00-SAP-FDR-1A - FE / DC#7 (BH8ce) MTST-00-SAP-FDR-1B - FE / DC#7 (BH8ce)			
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Transfer of limestone from 500 ton steel limestone storage silos (8sa, 8sb, 8sc & 8sd) to ball mill weigh feeders.					
Manufacturer: MTST-03-SAR-TK-1A (8sa) Allis Mineral Systems MTST-03-SAR-TK-1B (8sb) Allis Mineral Systems MTST-00-SAR-TK-1A (8sc) RECO MTST-00-SAR-TK-1B (8sd) RECO MTST-03-SAP-FDR-1A - Ramsey Technology MTST-03-SAP-FDR-1B - Ramsey Technology MTST-00-SAP-FDR-1A - Ramsey Technology MTST-00-SAP-FDR-1B - Ramsey Technology	Model number: MTST-03-SAR-TK-1A (8sa) N/A MTST-03-SAR-TK-1B (8sb) N/A MTST-00-SAR-TK-1A (8sc) N/A MTST-00-SAR-TK-1B (8sd) N/A MTST-03-SAP-FDR-1A - 10-301 MTST-03-SAP-FDR-1B - 10-301 MTST-00-SAP-FDR-1A - 10-20-1 MTST-00-SAP-FDR-1B - 10-20-1	Serial number: MTST-03-SAR-TK-1A (8sa) - N/A MTST-03-SAR-TK-1B (8sb) - N/A MTST-00-SAR-TK-1A (8sc) - N/A MTST-00-SAR-TK-1B (8sd) - N/A MTST-03-SAP-FDR-1A - N/A MTST-03-SAP-FDR-1B - N/A MTST-00-SAP-FDR-1A - N/A MTST-00-SAP-FDR-1B - N/A			
Construction date: MTST-03-SAR-TK-1A (8sa) 1994 MTST-03-SAR-TK-1B (8sb) 1994 MTST-00-SAR-TK-1A (8sc) 2001 MTST-00-SAR-TK-1B (8sd) 2001 MTST-03-SAP-FDR-1A 1994 MTST-03-SAP-FDR-1B 1994 MTST-00-SAP-FDR-1A 2001 MTST-00-SAP-FDR-1B 2001	Installation date: MTST-03-SAR-TK-1A (8sa) 1994 MTST-03-SAR-TK-1B (8sb) 1994 MTST-00-SAR-TK-1A (8sc) 2001 MTST-00-SAR-TK-1B (8sd) 2001 MTST-03-SAP-FDR-1A 1994 MTST-03-SAP-FDR-1B 1994 MTST-00-SAP-FDR-1A 2001 MTST-00-SAP-FDR-1B 2001	Modification date(s): N/A			
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): MTST-03-SAR-TK-1A (8sa) 500 Tons MTST-03-SAR-TK-1B (8sb) 500 Tons MTST-00-SAR-TK-1A (8sc) 500 Tons MTST-00-SAR-TK-1B (8sd) 500 Tons MTST-03-SAP-FDR-1A 18 TPH MTST-03-SAP-FDR-1B 18 TPH MTST-00-SAP-FDR-1A 17 TPH MTST-00-SAP-FDR-1B 17 TPH					
Maximum Hourly Throughput: MTST-03-SAR-TK-1A (8sa) 18 TN MTST-03-SAR-TK-1B (8sb) 18 TN MTST-00-SAR-TK-1A (8sc) 17 TN MTST-00-SAR-TK-1B (8sd) 17 TN MTST-03-SAP-FDR-1A 18 TN MTST-03-SAP-FDR-1B 18 TN MTST-00-SAP-FDR-1A 17 TN MTST-00-SAP-FDR-1B 17 TN	Maximum Annual Throughput: 354,000 tons/year	Maximum Operating Schedule: 8,760 hrs/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: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

Any emissions from this process are accounted for in MS44.

Applicable Requirements

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

In accordance with the information filed in Permit Application R13-1660C, and any amendments thereto, the following maximum throughputs shall not be exceeded, and, at a minimum, the following control equipment shall be installed, maintained, and operated so as to minimize particulate matter emissions:

Equipment ID No.	Description	Maximum Capacity		Control Equipment ¹	Associated Transfer Points		
		TPH	TPY		Location B- Before A- After	ID No.	Control Equip-ment ¹
Limestone Crushing Circuit							
8sa	Limestone Storage Silo 1 (500 ton)	250	354,000	FE, BH	B	8ce	BH
8sb	Limestone Storage Silo 2 (500 ton)			FE, BH	B	8ce	BH
8sc	Limestone Storage Silo 3 (500 ton)			FE, BH	B	8ce	BH
8sd	Limestone Storage Silo 4 (500 ton)			FE, BH	B	8ce	BH

¹ BH - Baghouse, FE - Full Enclosure, PE - Partial Enclosure, UG - Underground Reclaim

[45CSR13 - Permit No. R13-1660 §A.1.]

(Title V permit condition 6.1.1)

Particulate matter (PM) emissions from the following emission points shall not exceed the specified limitations, and the units shall maintain the minimum collection efficiency:

Control Device ID NO.	Control Device Type	Emission Point ID No.	Maximum Emission Limit (lb/hour) ¹	Maximum Emission Limit (tons/year)	Maximum Emission Limit (gr/dscf) ²	Maximum Collection Efficiency (%)
8ce*	Baghouse	8e	<0.01	<0.01	0.022	99.80

¹ These limits are considered instantaneous limits and represent limits for Total Suspended Particulate and Particulate Matter less than 10 microns.

² Pursuant to 40.672(a)(1) and in grains/dry standard cubic feet

*Note – 7cc is listed as Dust Collector #5 and 8ce is listed as Dust Collector #7 in Section 1.0 Emission Table to coincide with plant labeling

[45CSR13 - Permit No. R13-1660 §A.2., 45CSR16, 40 CFR §60.672(a)(1)]

(Title V permit condition 6.1.2)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- §§60.672(a), (b), & (f) - Particulate matter stack emissions from the Baghouse vents BH2ca, BH3cb, BH6cc, BH7cc and BH8ce shall not exceed 7 percent opacity. Any fugitive emissions from the equipment and transfer points identified in condition 6.1.1 shall not exceed 10 percent opacity
- The opacity requirement set forth in 6.1.11.a. shall apply at all times except during periods of startup, shutdown, and malfunctions

[45CSR13 - Permit No. R13-1660 §B.4., 45CSR16, 40 CFR §60.11(c), 40 CFR §§ 60,672 (a), (b), & (f)]

(Title V permit condition 6.1.11)

At all times, including periods of startup, shutdown, and malfunction, any affected facility [*limestone equipment as defined in conditions 6.1.1. and 6.1.2.*] including associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. Determination that acceptable operating and maintenance procedures are being used, will be based on information available to the Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[45CSR16, 40 C.F.R. § 60.11(d)]

(Title V permit condition 6.1.12)

☒ Permit Shield

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

At such reasonable time(s) as the Director may designate, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations as set forth in condition 6.1.2. Test(s) shall be conducted in accordance with condition 6.3.3. contained herein. The Director, or his duly authorized representative, may, at his option, witness or conduct such test. Should the Director exercise his option to conduct such test(s), the operator shall provide all the necessary sampling connections and sampling ports to be located in such manner as the Director may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to comply with generally accepted good safety practices.

[45CSR13 - Permit No. R13-1660 §A.11.]

(Title V permit condition 6.3.1)

Each emissions unit with a visible emissions limit contained in this permit section (Section 6) shall be observed visually at least each calendar month during periods of facility operation for a sufficient time interval to determine if the unit has any visible emissions using 40 C.F.R. 60 Appendix A, Method 22. If visible emissions from any of the affected facilities are observed during these monthly observations, or at any other time, that appear to exceed the allowable visible emission requirement for the affected facility, visible emissions evaluations in accordance with 40 C.F.R. 60 Appendix A, Method 9 shall be conducted immediately. A Method 9 evaluation shall not be required if the visible emissions condition is corrected as expeditiously as possible and recorded, and the cause and corrective measures taken are recorded." A Method 9 evaluation shall not be required if the visible emissions condition is corrected in a timely manner; the emissions unit is operating; and, the cause and corrective measures taken are recorded.

[45CSR13 - Permit No. R13-1660 §A.12.a), 45CSR§30-5.1.c., 45CSR§30-12.7]

(Title V permit condition 6.3.2)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.675(c)(1) - In determining compliance with the particulate matter standards in §60.672 (b) [condition 6.1.11] and (c), the owner or operator shall use Method 9 and the procedures in §60.11, with the following additions:
 1. §60.675(c)(1)(i) - The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
 2. §60.675(c)(1)(ii) - The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
- b. §60.675(c)(3) - When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) of 40 CFR Subpart OOO [*condition 6.1.11.*], the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply

1. §60.675(c)(3)(ii) - There are no individual readings greater than 10 percent opacity; and
2. §60.675(c)(3)(ii) - There are no more than 3 readings of 10 percent for the 1-hour period
- c. §60.675(g) - If, after 30 days notice for an initially scheduled performance test, there is delay (due to operational problems, etc.) in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.

[45CSR13 - Permit No. R13-1660 §B.4.]

(Title V permit condition 6.3.3)

With regard to any testing required by the Director, the permittee shall 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.

[45CSR13 - Permit No. R13-1660 §B.6.]

(Title V permit condition 6.3.4)

A record of each visible emissions observation as required in permit condition 6.3.2. and/or 6.3.3. shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer.

[45CSR13 - Permit No. R13-1660 §A.12.b)]

(Title V permit condition 6.4.1)

The pertinent sections of 40 CFR 60 applicable to this facility include the following:

- a. §60.676(f) - The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672 of Subpart OOO, including reports of opacity observations made using Method 9 to demonstrate compliance with §60.672(b) [*condition 6.1.11.*], (c), and (f).

- b. §60.7(a) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall furnish written notification as follows:

§60.7(a) (4) - A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies.

- c. §60.7(b) - Any owner or operator subject to the provisions of this part [40 CFR 60] shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment.

[45CSR13 - Permit No. R13-1660 §B.4.]

(Title V permit condition 6.5.1)

All notifications and reports required pursuant to 40 CFR 60 under §60.7 shall be forwarded to the WVDAQ and USEPA as outlined in permit condition 3.5.3.

[45CSR13 - Permit No. R13-1660 §B.8.]

(Title V permit condition 6.5.2)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>		<i>Unit 1 Fly Ash Loading</i>	
Emission unit ID number: MTST-01-ID-STK-1	Emission unit name: Source for emission unit MS46	List any control devices associated with this emission unit: FE	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): 88,000 cu ft concrete storage silo MTST-01-ID-STK-1 to primary ash mixer MTST-01-ADF-MC-1A and secondary mixer MTST-01-ADF-MC-1B			
Manufacturer: Stone and Webster	Model number: N/A	Serial number: N/A	
Construction date: 1963	Installation date: N/A	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 88,000 cu ft			
Maximum Hourly Throughput: 400 TN	Maximum Annual Throughput: 3,504,000 TN	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

All emissions from ash silos will occur in mixers, therefore, PM and PM10 are not emitted from this emission unit.

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>		<i>Unit 1 Fly Ash Loading</i>	
Emission unit ID number: MTST-01-ADF-MC-1A	Emission unit name: Source for emission point MS47	List any control devices associated with this emission unit: PE	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Unit 1 Primary Fly Ash Mixer to Ash Haul Trucks			
Manufacturer: United Conveyor Systems	Model number: 5024	Serial number: 020712PF	
Construction date: N/A	Installation date: 2003	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 400 TPH			
Maximum Hourly Throughput: 400 TN	Maximum Annual Throughput: 3,504,000 TN	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.03	0.14
Total Particulate Matter (TSP)	0.07	0.03
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

AP-42 Section 13.2.4, 11/06

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

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.)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>		<i>Unit 1 Fly Ash Loading</i>	
Emission unit ID number: MTST-01-ADF-MC-1B	Emission unit name: Source for emission point MS48	List any control devices associated with this emission unit: PE	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Unit 1 Secondary Fly Ash Mixer to Ash Haul Trucks			
Manufacturer: United Conveyor Systems	Model number: 5024	Serial number: N/A	
Construction date: N/A	Installation date: 1975	Modification date(s): 2009	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 400 TPH			
Maximum Hourly Throughput: 400 TN	Maximum Annual Throughput: 3,504,000 TN	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.03	0.14
Total Particulate Matter (TSP)	0.07	0.30
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>		<i>Unit 2 Fly Ash Loading</i>	
Emission unit ID number: MTST-02-ID-STK-1	Emission unit name: Source for emission point MS49	List any control devices associated with this emission unit: FE	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): 88,000 cu ft concrete storage silo MTST-02-ID-STK-1 to primary ash mixer MTST-02-ADF-MC-1A and secondary mixer MTST-02-ADF-MC-1B			
Manufacturer: Stone and Webster	Model number: N/A	Serial number: N/A	
Construction date: 1964	Installation date: N/A	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 88,000 cu ft			
Maximum Hourly Throughput: 400 TN	Maximum Annual Throughput: 3,504,000 TN	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
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.).

All emissions from ash silos will occur in mixers, therefore, PM and PM10 are not emitted from this emission unit.

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>		<i>Unit 2 Fly Ash Loading</i>	
Emission unit ID number: MTST-02-ADF-MC-1A	Emission unit name: Source for emission point MS50	List any control devices associated with this emission unit: PE	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Unit 2 Primary Fly Ash Mixer to Ash Haul Trucks			
Manufacturer: United Conveyor Systems	Model number: 5024	Serial number: 020725PF	
Construction date: N/A	Installation date: 2003	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 400 TPH			
Maximum Hourly Throughput: 400 TN	Maximum Annual Throughput: 3,504,000 TN	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? ___Yes <u>___X___</u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.03	0.14
Total Particulate Matter (TSP)	0.07	0.03
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>		<i>Unit 2 Fly Ash Loading</i>	
Emission unit ID number: MTST-02-ADF-MC-1B	Emission unit name: Source for emission point MS51	List any control devices associated with this emission unit: PE	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Unit 2 Secondary Fly Ash Mixer to Ash Haul Trucks			
Manufacturer: United Conveyor Systems	Model number: 1552-1	Serial number: N/A	
Construction date: N/A	Installation date: 1975	Modification date(s): 1994	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 400 TPH			
Maximum Hourly Throughput: 400 TN	Maximum Annual Throughput: 3,504,000 TN	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.02	0.11
Total Particulate Matter (TSP)	0.05	0.23
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

AP-42 Section 13.2.4, 11/06

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>		<i>Unit 3 Fly Ash Loading</i>	
Emission unit ID number: MTST-03-ID-STK-1	Emission unit name: Source for emission point MS52	List any control devices associated with this emission unit: FE	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): 125,000 cu ft concrete storage silo MTST-03-ID-STK-1 to primary ash mixer MTST-03-ADF-MC-1A and secondary mixer MTST-03-ADF-MC-1B			
Manufacturer: Stone and Webster	Model number: N/A	Serial number: N/A	
Construction date: 1972	Installation date: N/A	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 125,000 cu ft			
Maximum Hourly Throughput: 400 TN	Maximum Annual Throughput: 3,504,000 TN	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

All emissions from ash silos will occur in mixers, therefore, PM and PM10 are not emitted from this emission unit.

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>		<i>Unit 3 Fly Ash Loading</i>	
Emission unit ID number: MTST-03-ADF-MC-1A	Emission unit name: Source for emission unit MS53	List any control devices associated with this emission unit: PE	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Unit 3 Primary Fly Ash Mixer to Ash Haul Trucks			
Manufacturer: United Conveyor Systems	Model number: 5024	Serial number: 020725PF	
Construction date: N/A	Installation date: 2003	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 400 TPH			
Maximum Hourly Throughput: 400 TN	Maximum Annual Throughput: 3,504,000 TN	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.03	0.14
Total Particulate Matter (TSP)	0.07	0.03
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>		<i>Unit 3 Fly Ash Loading</i>	
Emission unit ID number: MTST-03-ADF-MC-1B	Emission unit name: Source for emission point MS54	List any control devices associated with this emission unit: PE	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Unit 3 Secondary Fly Ash Mixer to Ash Haul Trucks			
Manufacturer: United Conveyor Systems	Model number: 5024	Serial number: N/A	
Construction date: N/A	Installation date: 1972	Modification date(s): 2008	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 400 TPH			
Maximum Hourly Throughput: 400 TN	Maximum Annual Throughput: 3,504,000 TN	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? ___Yes __X_ No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.03	0.14
Total Particulate Matter (TSP)	0.07	0.14
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-ADB-TK-3	Emission unit name: Source for emission point MS55	List any control devices associated with this emission unit: Full Enclosure, DC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Pyrite storage tank to mixer MTST-00-ADB-MC-1			
Manufacturer: Mixer Systems, Inc	Model number: Dustmaster S11	Serial number: 2641-94	
Construction date: 1982	Installation date: 1982	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1200TPH			
Maximum Hourly Throughput: 1200TPH	Maximum Annual Throughput: 10,512,000 TN	Maximum Operating Schedule: 8760 hours	
<i>Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE</i>			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

All emissions from ash silos will occur in mixers, therefore, PM and PM10 are not emitted from this emission unit.

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-ADB-MC-1	Emission unit name: Source for emission point MS56	List any control devices associated with this emission unit: Moisture Content (MC)	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Pyrite mixer to ash haul trucks			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 1994	Installation date: 1994	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 200TPH			
Maximum Hourly Throughput: 200TPH	Maximum Annual Throughput: 1,752,000 TN	Maximum Operating Schedule: 8760 hours	
<i>Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE</i>			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.02	0.07
Total Particulate Matter (TSP)	0.03	0.15
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

AP-42 Section 13.2.4, 11/06

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>		<i>Units 1 & 2 FGD De-watering</i>	
Emission unit ID number: MTST-00-SWD-M-FL-1A MTST-00-SWD-M-FL-1B	Emission unit name: Sources for Emission Point MS57: Units 1 & 2 FGD Vacuum Filters and De-watering Building	List any control devices associated with this emission unit: FE	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): FGD gypsum cake transfer from the vacuum filter to the de-watering building			
Manufacturer: GL&V/DOOR-OLIVER EIMCO	Model number: M.148	Serial number: N/A	
Construction date: 2001	Installation date: 2001	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 27 TPH ea.			
Maximum Hourly Throughput: 54 TN	Maximum Annual Throughput: 473,040 TN	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.00004	0.0002
Total Particulate Matter (TSP)	0.0001	0.0004
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 13.2.4, 11/06</p>		

Applicable Requirements

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

The maximum annual amount of FGD By-Product disposed of on or off-site shall not exceed 630,000 tons per year. Compliance with the processing limit shall be determined using a rolling yearly total.

[45CSR13 - Permit No. R13-1660 §A.5.]

(Title V permit condition 6.1.5)

FGD by-product shall be maintained at a sufficient moisture content so as to minimize fugitive particulate matter emissions prior to final deposition at the on-site landfill. FGD by-product loading operations that result in any visible particulate matter emissions shall be considered not to be minimized. Compliance with this condition shall be determined in accordance with 6.3.2. & 6.4.1.

[45CSR13 - Permit No. R13-1660 §A.10.]

(Title V permit condition 6.1.10)

☒ **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.)

For the purposes of determining compliance with maximum throughput limits set forth in conditions 6.1.3., 6.1.4., and 6.1.5. the applicant shall maintain monthly records of the throughputs of the specified materials. For the purposes of determining compliance with the water truck requirement in condition 6.1.7., the applicant shall maintain a daily and monthly record of water truck usage. Such records shall be retained by the permittee for at least five (5) years. Certified records shall be made available to the Director or his/her duly authorized representative upon request.

[45CSR13 - Permit No. R13-1660 §B.7.]

(Title V permit condition 6.4.2)

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		Unit 3 FGD De-watering	
Emission unit ID number: MTST-03-SWD-M-FL-1A MTST-03-SWD-M-FL-1B	Emission unit name: Sources for Emission Point MS58: Unit 3 FGD Vacuum Filters and De-watering Building	List any control devices associated with this emission unit: FE	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): FGD gypsum cake transfer from the vacuum filter to the de-watering building			
Manufacturer: Vacuum Filters: GL&V/DOOR-OLIVER EIMCO	Model number: M.148	Serial number: N/A	
Construction date: 1994	Installation date: 1994	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 27 TPH ea.			
Maximum Hourly Throughput: 54 TN	Maximum Annual Throughput: 473,040 TN	Maximum Operating Schedule: 8,760 HR/YR	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.001	0.006
Total Particulate Matter (TSP)	0.003	0.012
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

AP-42 Section 13.2.4, 11/06

Applicable Requirements

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

The maximum annual amount of FGD By-Product disposed of on or off-site shall not exceed 630,000 tons per year. Compliance with the processing limit shall be determined using a rolling yearly total.

[45CSR13 - Permit No. R13-1660 §A.5.]

(Title V permit condition 6.1.5)

FGD by-product shall be maintained at a sufficient moisture content so as to minimize fugitive particulate matter emissions prior to final deposition at the on-site landfill. FGD by-product loading operations that result in any visible particulate matter emissions shall be considered not to be minimized. Compliance with this condition shall be determined in accordance with 6.3.2. & 6.4.1.

[45CSR13 - Permit No. R13-1660 §A.10.]

(Title V permit condition 6.1.10)

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

For the purposes of determining compliance with maximum throughput limits set forth in conditions 6.1.3., 6.1.4., and 6.1.5. the applicant shall maintain monthly records of the throughputs of the specified materials. For the purposes of determining compliance with the water truck requirement in condition 6.1.7., the applicant shall maintain a daily and monthly record of water truck usage. Such records shall be retained by the permittee for at least five (5) years. Certified records shall be made available to the Director or his/her duly authorized representative upon request.

[45CSR13 - Permit No. R13-1660 §B.7.]

(Title V permit condition 6.4.2)

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

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

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number: MTST-00-FP-ENG-1	Emission unit name: Emission unit for MS59	List any control devices associated with this emission unit: None	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission unit MTST-00-FP-ENG-1 is a fire pump installed to replace the one that had been in this same location.			
Manufacturer: Clarke/John Deere	Model number: JU6H-UFADX8	Serial number: N/A	
Construction date: 2014	Installation date: 2014	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): The #1 diesel fire pump has a design capacity of 305hp			
Maximum Hourly Throughput: 14.6 gals/hr	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 500 hours	
Fuel Usage Data (fill out all applicable fields)			
Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: 305hp		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. The fuel type for the #1 diesel fire pump is ultra-low sulfur diesel fuel.			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Diesel	15 ppm	N/A	141,000

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.27	0.07
Nitrogen Oxides (NO _x)	1.82	0.45
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.04	0.01
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	0.07	0.02
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.).

Potential emissions as reflected in General Permit G60-C056A and based on manufacturer's specifications.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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 Limits

Emission Unit	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
MTST-00-FP-ENG-1 (Diesel-fueled Fire Pump Engine, 305 Hp)	Nitrogen Oxides (NO _x)	1.82	0.45
	Carbon Monoxide (CO)	0.27	0.07
	Volatile Organic Compounds (VOC)	0.07	0.02
	PM ₁₀	0.04	0.01

[45CSR13, G60-C056A General Permit Registration, Emission Limitations; and G60-C, condition 5.1.2.]
(Title V permit condition 8.1.1)

The following sections of Class II General Permit G60-C apply to the registrant:

Section 7 Stationary Compression Ignition Internal Combustion Engines subject to 40 C.F.R.60
Subpart IIII (MTST-00-FP-ENG-1)

[45CSR13, G60-C056A General Permit Registration]
(Title V permit condition 8.1.2)

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

Monitoring Requirements

For MTST-00-FP-ENG-1, see Sections 5 and 7 of Class II Emergency Generator General Permit G60-C (Appendix E)

[45CSR34; 40 C.F.R. § 63.6625]

(Title V permit condition 8.2.2)

Testing Requirements

For MTST-00-FP-ENG-1, see Sections 5 and 7 of Class II Emergency Generator General Permit G60-C (Appendix E)

(Title V permit condition 8.3.2)

Recordkeeping Requirements

For MTST-00-FP-ENG-1, see Sections 5 and 7 of Class II Emergency Generator General Permit G60-C (Appendix E)

(Title V permit condition 8.4.2)

Reporting Requirements

For MTST-00-FP-ENG-1, see Sections 5 and 7 of Class II Emergency Generator General Permit G60-C (Appendix E)

(Title V permit condition 8.5.2)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-FP-ENG-3	Emission unit name: Emission unit for MS60	List any control devices associated with this emission unit: None	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission unit MTST-00-FP-ENG-3 is a 1500 gpm at 370ft TDH diesel engine driven fire pump locate in the screenwell house. This engine is used for fire protection.			
Manufacturer: Detroit Diesel	Model number: 7000	Serial number: 1680882	
Construction date: 1994	Installation date: 1994	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): The #3 diesel fire pump has a design capacity of 335.5 max bhp			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: 335.5 max bhp		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. The fuel type for the #3 diesel fire pump is diesel fuel.			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Diesel			

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	2.24	0.56
Nitrogen Oxides (NO _x)	10.4	2.60
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	0.74	0.18
Total Particulate Matter (TSP)	0.74	0.18
Sulfur Dioxide (SO ₂)	0.69	0.17
Volatile Organic Compounds (VOC)	0.83	0.21
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42 Section 3.3, 10/96</p>		

Applicable Requirements

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

For the existing emergency stationary CI and SI RICE < 500hp located at a major source of HAP emissions, the permittee shall comply with the following requirements from Table 2c of 40 C.F.R. 63 Subpart ZZZZ.

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first.
- b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
- d. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

**[45CSR34; 40 C.F.R. §63.6602; Table 2c of 40 C.F.R. 63 Subpart ZZZZ]
(Title V permit condition 8.1.3)**

The permittee must comply with the general compliance requirements of 40 C.F.R. §63.6605.

**[45CSR34; 40 C.F.R. §63.6605]
(Title V permit condition 8.1.4)**

The permittee must comply with the general provisions of 40 C.F.R. 63 as shown in Table 8 of 40 C.F.R. 63 Subpart ZZZZ except for the following which do not apply as per 40 C.F.R. §63.6645(a)(5): 40 C.F.R. §§ 63.7(b) and (c), 40 C.F.R. §§ 63.8(e), (f)(4), and (f)(6), and 40 C.F.R. §§ 63.9(b)-(e), (g) and (h).

**[45CSR34; 40 C.F.R. §63.6665, 40 C.F.R. §63.6645(a)(5), Table 8 of 40 C.F.R. 63 Subpart ZZZZ
(Title V permit condition 8.1.5)**

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §63.14), or other

authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(3) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

Table 6 to Subpart ZZZZ of Part 63—Continuous Compliance With Emission Limitations, and Other Requirements

As stated in §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

9. Existing emergency and black start stationary RICE ≤500 HP located at a major source of HAP...	a. Work or Management practices	i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions
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[45CSR34; 40 C.F.R. §§63.6640(a), (f) and Table 6]
(Title V permit condition 8.1.6)

☒ Permit Shield

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

The permittee must comply with the following applicable monitoring requirements of 40 C.F.R. 63 Subpart ZZZZ: 40 C.F.R. §§ 63.6625(e), (f), (h), and (i).

**[45CSR34; 40 C.F.R. § 63.6625]
(Title V permit condition 8.2.3)**

The permittee must comply with the recordkeeping requirements of 40 C.F.R. §63.6655 with the exception of 40 C.F.R. §63.6655(c) which does not apply.

**[45CSR34; 40 C.F.R. §§63.6655 (a), (b), (d), (e), & (f)]
(Title V permit condition 8.4.3)**

The permittee must comply with the reporting requirements of 40 C.F.R. §§63.6650(e) and (h).

**[45CSR34; 40 C.F.R. §§63.6650(e) and(h)]
(Title V permit condition 8.5.3)**

If the emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2c of 40 C.F.R. 63 Subpart ZZZZ, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

**[45CSR34; Footnote 1 of Table 2c of 40 C.F.R. 63 Subpart ZZZZ]
(Title V permit condition 8.5.4)**

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-LO-TK-3	Emission unit name: Emission unit for MS61	List any control devices associated with this emission unit: None	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission unit MTST-00-LO-TK-3 is the clean turbine lube oil tank located inside the turbine lube oil room			
Manufacturer: Richard Engineering Company	Model number: Custom Built	Serial number: N/A	
Construction date: N/A	Installation date: 1964	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 16,000 gallons			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
List the method(s) 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.

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-LO-TK-4	Emission unit name: Emission units for MS62	List any control devices associated with this emission unit: None	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission unit MTST-00-LO-TK-4 is the dirty turbine lube oil tank located inside the turbine lube oil room.			
Manufacturer: Richard Engineering Company	Model number: Custom Built	Serial number: N/A	
Construction date: N/A	Installation date: 1964	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 16,000 gallons each			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

List the method(s) 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.

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-FO-TK-4	Emission unit name: Emission unit for MS63	List any control devices associated with this emission unit: None	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission unit MTST-00-FO-TK-4 is the Jet fuel oil tank for the combustion turbine			
Manufacturer: Industrial Mechanical Services	Model number: API 650 APPX A	Serial number: N/A	
Construction date: 1992	Installation date: 1992	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 105,000 gallons			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

List the method(s) 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.

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-FO-TK-6G	Emission unit name: Emission unit for MS65	List any control devices associated with this emission unit: Full Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission unit MTST-00-FO-TK-6G is the unleaded gasoline tank for fueling vehicles located on the south side of warehouse.			
Manufacturer: Hoover Containment Systems	Model number: 6000	Serial number: N/A	
Construction date: 1995	Installation date: 1995	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 5,000 gallons			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-IO-TK-1A	Emission unit name: Emission unit for MS66	List any control devices associated with this emission unit: None	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission unit MTST-00-IO-TK-1A is the tank containing Light #2 fuel oil used for boiler startup			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 1964	Installation date: 1964	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 504,501 gallons			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-IO-TK-1B	Emission unit name: Emission unit for MS67	List any control devices associated with this emission unit: None	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission unit MTST-00-IO-TK-1B is the tank containing Light #2 fuel oil used for boiler startup			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 1973	Installation date: 1973	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,541,526 gallons			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

List the method(s) 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.

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: 1-CC-E-1A 1-CC-E-1B 1-CC-E-1C	Emission unit name: Emission units for MS68	List any control devices associated with this emission unit: ME (Mist eliminators)	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission units 1-CC-E-1A; 1-CC-E-1B; 1-CC-E-1C are the Induced draft unit 1 Cooling Tower for the component cooling water system located on the hill southwest of unit 3.			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 1964	Installation date: 1964	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Induced draft fans with 20/5 HP 480/3/60 two speed fan motors with reduction gears.			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: 2-CC-E-1A 2-CC-E-1B 2-CC-E-1C	Emission unit name: Sources for Emission Point MS69	List any control devices associated with this emission unit: ME (Mist eliminators)	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission units 2-CC-E-1A; 2-CC-E-1B; 2-CC-E-1C are the Induced draft unit 2 Cooling Tower for the component cooling water system located on the hill southwest of unit 3.			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 1964	Installation date: 1964	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Induced draft fans with 20/5 HP 480/3/60 two speed fan motors with reduction gears.			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: 3-CC-E-1A 3-CC-E-1B	Emission unit name: Sources for Emission Point MS70	List any control devices associated with this emission unit: ME (Mist eliminators)	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission units 3-CC-E-1A; 3-CC-E-1B are Induced draft Unit 3 Cooling Tower for the component cooling water system located on the hill southwest of Unit 3.			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 1973	Installation date: 1973	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Two cell induced draft fans with 50 HP 480/3/60 two speed fan motors.			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-03-OAS-TK-1C	Emission unit name: Emission unit for MS71	List any control devices associated with this emission unit: None	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission unit MTST-03-OAS-TK-1C is the acid tank containing dibasic acid for the scrubbers located on the east side of the dewatering building.			
Manufacturer: Titan Fabricators Inc.	Model number: N/A	Serial number: 1644	
Construction date: 1993	Installation date: 1993	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 43,183 gallons			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-BLD-LTB-1	Emission unit name: Sources for Emission Point MS72	List any control devices associated with this emission unit: BH	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission unit MTST-00-BLD-LTB-1 is the hydrated lime silo for water treatment at the settling ponds			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 1973	Installation date: 1973	Modification date(s): 2000	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 4000 cu. Ft.			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-AMS-TK1 MTST-00-AMS-TK2 MTST-00-AMS-TK3	Emission unit name: Emission units for MS73, MS74, MS75	List any control devices associated with this emission unit: Deluge systems are used to suppress inadvertent ammonia releases	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission units MTST-00-AMS-TK1; MTST-00-AMS-TK2; MTST-00-AMS-TK3 are the horizontal Anhydrous Ammonia Tanks used for the SCR system			
Manufacturer: ABCO Industries, INC.	Model number: N/A	Serial number: 70172A123	
Construction date: 2001	Installation date: 2001	Modification date(s): None	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 45,000 gallons each of anhydrous ammonia			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: PTK-1	Emission unit name: Emission unit for MS76	List any control devices associated with this emission unit: Full Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission unit is off road diesel fuel tank (double walled) Note: This tank replaced a 12,000-gallon tank that had been at the same location.			
Manufacturer: Flameshield	Model number: N/A	Serial number: N/A	
Construction date: 2013	Installation date: 2013	Modification date(s): None	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10,000 gallon diesel fuel			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>NA</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: FO-TK-2	Emission unit name: Emission unit for MS85	List any control devices associated with this emission unit: Full Enclosure	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission unit is ultralow sulfur diesel fuel tank for fire pump			
Manufacturer: Highland	Model number: N/A	Serial number: N/A	
Construction date: 2013	Installation date: 2013	Modification date(s): None	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 500-gallon diesel fuel (Note: This was originally specified at 515 gallons but the tank actually installed is 500 gallons.)			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 500 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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			
<i>Emission Unit Description</i>			
Emission unit ID number: MTST-00-RW-CTS	Emission unit name: Emission unit for MS86	List any control devices associated with this emission unit: Mist eliminators	
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emission unit is new helper cooling tower installed in 2011			
Manufacturer: Phoenix	Model number: 2FT-5448-250-P6	Serial number: NA	
Construction date: 2011	Installation date: 2011	Modification date(s): None	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 42,000 gallons water per minute			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 hours	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
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)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>N/A</p>		

Applicable Requirements

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

No emissions unit-specific applicable requirements for this source.

 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.*)

No emissions unit-specific applicable requirements for this source.

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		
<i>Emission Unit Description</i>		
<i>Paved Roads</i>		
Emission unit ID number: RD-1 RD-2 RD-3 RD-4 RD-5 RD-6	Emission unit name: Asphalt Plant Entrance Road (RD-1) Concrete Coal Entrance Road (RD-2) Asphalt Limestone Haul Road (RD-3) Asphalt Mettiki Coal Entrance Haul Road (RD-4) Asphalt Ash Haul Road (RD-5) Asphalt Plant Roads (RD-6)	List any control devices associated with this emission unit: P, PWT (RD-1 through RD-6)
Provide a description of the emission unit (type, method of operation, design parameters, etc.) 2,216 ft Asphalt road. Main entrance into plant(RD-1); 1,470 ft concrete road. Entrance road for coal deliveries (RD-2); 6,277 ft Asphalt road. Entrance road for limestone deliveries (RD-3); 4932 ft Asphalt road. Entrance road for Mettiki coal deliveries (RD-4); 6,864 ft Asphalt road. Ash haul road from plant to Closed Ash Mountain (RD-5); 10,224 ft Asphalt roads. Internal plant roads (RD-6).		
Manufacturer: N/A	Model number: N/A	Serial number: N/A
Construction date: 1964 (RD-1) 1964 (RD-2) 1994 (RD-3) 1996 (RD-4) 1994 (RD-5) 1964 to 2004 (RD-6)	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 2,216 feet (RD-1) 1,470 (RD-2) 6,277 feet (RD-3) 4,932 feet (RD-4) 6,864 feet (RD-5) 10,224 feet (RD-6)		
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 HR/YR
Fuel Usage Data (fill out all applicable fields)		
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired

Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	N/A	N/A	
Particulate Matter (PM ₁₀)	2.01	8.82	
Total Particulate Matter (TSP)	10.07	44.12	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2-1, 01/11			

Applicable Requirements

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

Fugitive Particulate Matter Control. No person shall cause, suffer, allow, or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter. Sources of fugitive particulate matter associated with fuel burning units shall include, but not be limited to, the following:

- a. Stockpiling of ash or fuel either in the open or in enclosures such as silos;
- b. Transport of ash in vehicles or on conveying systems, to include spillage, tracking, or blowing of particulate matter from or by such vehicles or equipment; and
- c. Ash or fuel handling systems and ash disposal areas.

[45CSR§2-5., 45CSR13, R13-2593 §4.1.6.]

(Title V permit condition 3.1.13)

(RD-1, RD-2, RD-3, RD-4, RD-5, and RD-6)

In accordance with Attachment E filed in Permit Application R13-1660C, the permittee shall maintain hard pavement on the whole length of the limestone haul road, 1.318 miles of the ash disposal haul road starting at the plant, and the ash-limestone haul road crossover. The pavement shall be repaired and maintained as necessary so as to keep the pavement in good condition.

[45CSR13 - Permit No. R13-1660 §A.6.]

(Title V permit condition 6.1.6)

(RD-3, RD-5)

The following methods of dust minimization shall be utilized on all paved and unpaved haul roads as specified:

- a. The unpaved portion of the ash haul road shall be treated with at least two (2) applications of calcium chloride during a minimum of the four (4) summer months (June, July, August, and September). Each application shall be, at a minimum, at least sixty (60) days apart.
- b. The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from paved and unpaved haul roads (including the coal haul road) and other work areas where mobile equipment is used.

The spray bar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzles(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haul roads and work areas where mobile equipment is used.

- c. The permittee shall use a high-pressure water stream on all paved haul roads as often as is necessary, but no less than once per calendar month, to clean the paved roads of entrained dirt and dust that would contribute significantly to particulate matter emissions. The high-pressure water stream shall be of sufficient strength to remove imbedded dirt and dust on the paved roads thereby lowering the dust loading of the paved roads.

This requirement shall be waived during periods of prolonged sub-freezing weather.

[45CSR133 - Permit No. R13-1660 §A.7.]

(Title V permit condition 6.1.7)

(RD-1, RD-2, RD-3, RD-4, RD-5, and RD-6)

In accordance with the information filed in Permit Application R13-2034, the 0.600 mile haul road connecting State Route 93 to the Coal Truck Unloading Facility, as defined in condition 5.1.1., shall be paved. Fugitive emissions

from the haul road to the Coal Truck Unloading Facility shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.2.]

(Title V permit condition 5.1.3)

(RD-4)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.568 miles of the Ash Haulroad, resulting in a total of 1.168 miles of paved Ash Haul road and 0.497 miles of unpaved Ash Haulroad. Fugitive emissions from the Ash Haulroad shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.3.]

(Title V permit condition 5.1.4)

(RD-5)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.0644 miles of the FGD By-Product Disposal Route, resulting in a total FGD By-Product Disposal Route of 0.9000 miles of paved road and no unpaved road. Fugitive emissions from the FGD By-Product Disposal Route shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.4.]

(Title V permit condition 5.1.5)

(RD-5, RD-6)

The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from haulroads and other work areas where mobile equipment is used.

The spraybar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haulroads and work areas where mobile equipment is used.

[45CSR13, R13-2034, 4.1.5.]

(Title V permit condition 5.1.6)

(RD-4, RD-5, RD-6)

 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.)

The permittee shall maintain records indicating the use of any dust suppressants or any other suitable dust control measures applied at the facility. The permittee shall also inspect all fugitive dust control systems at least once a month to ensure that they are operated and maintained in conformance with their designs. The permittee shall maintain records of all scheduled and non-scheduled maintenance and shall state any maintenance or corrective actions taken as a result of the monthly inspections, the times the fugitive dust control system(s) were inoperable and any corrective actions taken.

[45CSR§30-5.1.c.]

(Title V permit condition 3.4.4)

(RD-1, RD-2, RD-3, RD-4, RD-5, and RD-6)

For the purposes of determining compliance with maximum throughput limits set forth in conditions 6.1.3., 6.1.4., and 6.1.5. the applicant shall maintain monthly records of the throughputs of the specified materials. For the purposes of determining compliance with the water truck requirement in condition 6.1.7., the applicant shall maintain a daily and monthly record of water truck usage. Such records shall be retained by the permittee for at least five (5) years. Certified records shall be made available to the Director or his/her duly authorized representative upon request.

[45CSR13 - Permit No. R13-1660 §B.7.]

(Title V permit condition 6.4.2)

(RD-3, RD-5)

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

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

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: AD-1	Emission unit name: Unloading of ash haul trucks	List any control devices associated with this emission unit: MC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.) Fly ash, bottom ash, and pyrites are unloaded at the ash landfill via trucks.			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 1989	Installation date: N/A	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 40 – 60 tons per truck.			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 HR/YR	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> X_ No		If yes, is it? ___ Indirect Fired ___Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	2.46E-04	1.08E-03
Total Particulate Matter (TSP)	5.21E-04	2.28E-03
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

AP-42 Section 13.2.4, 11/06

Applicable Requirements

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

Fugitive Particulate Matter Control. No person shall cause, suffer, allow, or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter. Sources of fugitive particulate matter associated with fuel burning units shall include, but not be limited to, the following:

- a. Stockpiling of ash or fuel either in the open or in enclosures such as silos;
- b. Transport of ash in vehicles or on conveying systems, to include spillage, tracking, or blowing of particulate matter from or by such vehicles or equipment; and
- c. Ash or fuel handling systems and ash disposal areas.

[45CSR§2-5., 45CSR13, R13-2593 §4.1.6.]

(Title V permit condition 3.1.13)

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 associated monitoring/testing/recordkeeping/reporting requirements associated with 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**.

ATTACHMENT E - Emission Unit Form			
<i>Emission Unit Description</i>			
Emission unit ID number: FGD-1	Emission unit name: Unloading of FGD byproduct haul trucks	List any control devices associated with this emission unit: MC	
Provide a description of the emission unit (type, method of operation, design parameters, etc.) FGD byproduct is unloaded at the FGD landfill via trucks.			
Manufacturer: N/A	Model number: N/A	Serial number: N/A	
Construction date: 1994	Installation date: N/A	Modification date(s): N/A	
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Truck capacity is 35 ton/load			
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 HR/YR	
<i>Fuel Usage Data (fill out all applicable fields)</i>			
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired	
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	2.22E-05	9.71E-05
Total Particulate Matter (TSP)	4.69E-05	2.05E-04
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A

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

AP-42 Section 13.2.4, 11/06

Applicable Requirements

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

Fugitive Particulate Matter Control. No person shall cause, suffer, allow, or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter. Sources of fugitive particulate matter associated with fuel burning units shall include, but not be limited to, the following:

- a. Stockpiling of ash or fuel either in the open or in enclosures such as silos;
- b. Transport of ash in vehicles or on conveying systems, to include spillage, tracking, or blowing of particulate matter from or by such vehicles or equipment; and
- c. Ash or fuel handling systems and ash disposal areas.

[45CSR§2-5., 45CSR13, R13-2593 §4.1.6.]

(Title V permit condition 3.1.10)

The maximum annual amount of FGD By-Product disposed of on or off-site shall not exceed 630,000 tons per year. Compliance with the processing limit shall be determined using a rolling yearly total.

[45CSR13 - Permit No. R13-1660 §A.5.]

(Title V permit condition 6.1.5)

FGD by-product shall be maintained at a sufficient moisture content so as to minimize fugitive particulate matter emissions prior to final deposition at the on-site landfill. FGD by-product loading operations that result in any visible particulate matter emissions shall be considered not to be minimized. Compliance with this condition shall be determined in accordance with 6.3.2. & 6.4.1.

[45CSR13 - Permit No. R13-1660 §A.10.]

(Title V permit condition 6.1.10)

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 applicable monitoring/testing/recordkeeping/reporting requirements associated with 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**.

ATTACHMENT E - Emission Unit Form		
<i>Emission Unit Description</i>		
<i>Unpaved Roads</i>		
Emission unit ID number: RD-7 RD-8 RD-9 RD-10 RD-11	Emission unit name: Gravel Plant Roads (RD-7) Gravel Ash Haul Road to Phase A (RD-8) Gravel Ash Haul Road to Phase B Entrance (RD-9) Bottom Ash Internal Phase B Haul Road (RD-10) Gravel Old Ash Haul Road (RD-11)	List any control devices associated with this emission unit: PWT (RD-7 through RD-11)
Provide a description of the emission unit (type, method of operation, design parameters, etc.) 3518 ft Gravel roads. Internal plant roads (RD-7) 3168 Gravel roads. Access road from main paved ash haul road to the Phase A FGD disposal area (RD-8) 4224 ft Gravel roads. Ash haul road from paved ash haul road to the entrance of Phase B ash disposal area (RD-9) 2112 ft Bottom Ash roads. Internal Phase B access road for ash placement (RD-10) 3325 ft Gravel roads. Old ash haul road from lower paved ash haul road to the old Buffalo shop area (RD-11)		
Manufacturer: N/A	Model number: N/A	Serial number: N/A
Construction date: 1964 to 1972 (RD-7) 1994 (RD-8) 1986 (RD-9) 1995 to 2009 (RD-10) 1979 (RD-11)	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 3518 feet (RD-7) 3168 feet (RD-8) 4224 feet (RD-9) 2112 feet (RD-10) 3325 feet (RD-11)		
Maximum Hourly Throughput: N/A	Maximum Annual Throughput: N/A	Maximum Operating Schedule: 8,760 HR/YR
Fuel Usage Data (fill out all applicable fields)		
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired

Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO _x)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	N/A	N/A
Particulate Matter (PM ₁₀)	1.33	5.83
Total Particulate Matter (TSP)	4.67	20.44
Sulfur Dioxide (SO ₂)	N/A	N/A
Volatile Organic Compounds (VOC)	N/A	N/A
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
	N/A	N/A
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
	N/A	N/A
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 13.2-2, 11/06</p>		

Applicable Requirements

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

Fugitive Particulate Matter Control. No person shall cause, suffer, allow, or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter. Sources of fugitive particulate matter associated with fuel burning units shall include, but not be limited to, the following:

- a. Stockpiling of ash or fuel either in the open or in enclosures such as silos;
- b. Transport of ash in vehicles or on conveying systems, to include spillage, tracking, or blowing of particulate matter from or by such vehicles or equipment; and
- c. Ash or fuel handling systems and ash disposal areas.

[45CSR§2-5., 45CSR13, R13-2593 §4.1.6.]

(Title V permit condition 3.1.13)

(RD-7, RD-8, RD-9, RD-10, RD-11)

In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.568 miles of the Ash Haulroad, resulting in a total of 1.168 miles of paved Ash Haul road and 0.497 miles of unpaved Ash Haulroad. Fugitive emissions from the Ash Haulroad shall be controlled by utilization of a pressurized water truck as defined by condition 5.1.6.

[45CSR13, R13-2034, 4.1.3.]

(Title V permit condition 5.1.4)

(RD-9)

The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from haulroads and other work areas where mobile equipment is used.

The spraybar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haulroads and work areas where mobile equipment is used.

[45CSR13, R13-2034, 4.1.5.]

(Title V permit condition 5.1.6)

(RD-9)

The following methods of dust minimization shall be utilized on all paved and unpaved haul roads as specified:

- a. The unpaved portion of the ash haul road shall be treated with at least two (2) applications of calcium chloride during a minimum of the four (4) summer months (June, July, August, and September). Each application shall be, at a minimum, at least sixty (60) days apart.
- b. The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from paved and unpaved haul roads (including the coal haul road) and other work areas where mobile equipment is used.

The spray bar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of

delivering to the spray nozzles(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haul roads and work areas where mobile equipment is used.

- c. The permittee shall use a high-pressure water stream on all paved haul roads as often as is necessary, but no less than once per calendar month, to clean the paved roads of entrained dirt and dust that would contribute significantly to particulate matter emissions. The high-pressure water stream shall be of sufficient strength to remove imbedded dirt and dust on the paved roads thereby lowering the dust loading of the paved roads. This requirement shall be waived during periods of prolonged sub-freezing weather.

[45CSR133 - Permit No. R13-1660 §A.7.]

(Title V permit condition 6.1.7)

(RD-9, RD-10)

☒ Permit Shield

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

The permittee shall maintain records indicating the use of any dust suppressants or any other suitable dust control measures applied at the facility. The permittee shall also inspect all fugitive dust control systems at least once a month to ensure that they are operated and maintained in conformance with their designs. The permittee shall maintain records of all scheduled and non-scheduled maintenance and shall state any maintenance or corrective actions taken as a result of the monthly inspections, the times the fugitive dust control system(s) were inoperable and any corrective actions taken.

[45CSR§30-5.1.c.]

(Title V permit condition 3.4.4)

(RD-7, RD-8, RD-9, RD-10, RD-11)

For the purposes of determining compliance with maximum throughput limits set forth in conditions 6.1.3., 6.1.4., and 6.1.5. the applicant shall maintain monthly records of the throughputs of the specified materials. For the purposes of determining compliance with the water truck requirement in condition 6.1.7., the applicant shall maintain a daily and monthly record of water truck usage. Such records shall be retained by the permittee for at least five (5) years. Certified records shall be made available to the Director or his/her duly authorized representative upon request.

[45CSR13 - Permit No. R13-1660 §B.7.]

(Title V permit condition 6.4.2)

(RD-9, RD-10)

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-1 CY-2 CY-2a CY-2b	Emission unit name: Sources for Emission Points TP-1, TP-2, TP-2a, and TP2b	List any control devices associated with this emission unit: All emissions vented through either DC-1 or DC-2
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-1: New rail car dump CY-2: New rail dump hopper to conveyor A-1 CY-2a: Traveling Hammermill for Frozen Coal CY-2b: Grizzly		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-1: 2,000 TPH CY-2: 2,000 TPH CY-2a: 2,000 TPH CY-2b: 2,000 TPH		
Maximum Hourly Throughput: CY-1: 2,000 TPH CY-2: 2,000 TPH CY-2a: 2,000 TPH CY-2b: 2,000 TPH	Maximum Annual Throughput: CY-1: 7,000,000 TPY CY-2: 7,000,000 TPY CY-2a: 7,000,000 TPY CY-2b: 7,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	4.29	7.50	
Particulate Matter (PM ₁₀)	4.29	7.50	
Total Particulate Matter (TSP)	4.29	7.50	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions based on design grain loading of both dust collectors at maximum air flow and 7,000,000 tons coal per year processed.</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-1	TP-1	Railcar to rail dump hopper	2015	2000 tph	DC
CY-2	TP-2	rail dump hopper to conveyor	2015	2000 tph	DC
CY-2a	TP-2a	Traveling Hammermill for Frozen Coal	2015	2000 tph	DC
CY-2b	TP-2b	Grizzly before A-1	2015	2000 tph	DC

(R13-2034E condition 1.0)

The maximum throughput of the coal rail unloading facility shall not exceed 2,000 TPH nor 7,000,000 TPY based on a rolling 12 month total.

(R13-2034E condition 4.1.6)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary. [45CSR§13-5.11.]

(R13-2034E condition 4.1.17)

☒ Permit Shield

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. [40CFR§60.255(b)]

(1) For each affected facility subject to a PM, SO₂, or combined NO_x and CO emissions standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(1)(i) through (iii) of this section, as applicable.
[40CFR§60.255(b)(1)]

(i) If the results of the most recent performance test demonstrate that emissions from the affected facility are greater than 50 percent of the applicable emissions standard, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.
[40CFR§60.255(b)(1)(i)]

(ii) If the results of the most recent performance test demonstrate that emissions from the affected facility are 50 percent or less of the applicable emissions standard, a new performance test must be conducted within 24 calendar months of the date that the previous performance test was required to be completed.
[40CFR§60.255(b)(1)(ii)]

(iii) An owner or operator of an affected facility that has not operated for the 60 calendar days prior to the due date of a performance test is not required to perform the subsequent performance test until 30 calendar days after the next operating day.
[40CFR§60.255(b)(1)(iii)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through (iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.
[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.
[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.
[40CFR§60.255(b)(2)(ii)]
(R13-2034E condition 4.2.1)

[NOTE: 40CFR§60.255(b)(1) and subparagraphs (i) – (iii) were not included in R13-2034E, but we believe they are applicable requirements for this portion only of the new coal unloading facility (i.e., the dust collectors that are subject to a PM standard).]

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.
[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems), coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

(e) For an owner or operator of a group of up to five of the same type of affected facilities that commenced construction, reconstruction, or modification after April 28, 2008, that are subject to PM emissions standards and use identical control devices, the Administrator or delegated authority may allow the owner or operator to use a single PM performance test for one of the affected control devices to demonstrate that the group of affected facilities is in compliance with the applicable emissions standards provided that the owner or operator meets all of the conditions specified in paragraphs (e)(1) through (3) of this section.

(1) PM emissions from the most recent performance test for each individual affected facility are 90 percent or less of the applicable PM standard;

(2) The manufacturer's recommended maintenance procedures are followed for each control device; and

(3) A performance test is conducted on each affected facility at least once every 5 calendar years.

[40CFR§60.255(e)]

[NOTE: 40CFR§60.255(c), (e), and paragraphs (e)(1) – (3) were not included in R13-2034E, but we believe they are applicable requirements for this portion only of the new coal unloading facility (i.e., the two identical dust

collectors that are subject to a PM standard).]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

(R13-2034E condition 4.3.2)

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

(R13-2034E condition 4.3.3)

For the purposes of determining compliance with condition 4.1.6 of this permit, the permittee shall monitor the total amount of coal transferred through the rail car unloading system each month.

(R13-2034E condition 4.3.5)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible

emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-10	Emission unit name: Sources for Emission Points TP-10	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-10: Transfer from conveyor B-4 to storage pile A		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-10: 2,000 TPH		
Maximum Hourly Throughput: CY-10: 2,000 TPH	Maximum Annual Throughput: CY-10: 7,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.034	0.015	
Particulate Matter (PM ₁₀)	0.225	0.099	
Total Particulate Matter (TSP)	0.476	0.208	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 13.2.4, (11/06)</p> <p>NOTE: The potential annual emissions calculated for CY-10, CY-12, CY-14, and CY-15 are based on 7,000,000 tons potential annual throughput divided equally between the four stacking tubes; i.e., 1,750,000 tons per year each. This is not meant to represent a limit per stacking tube but rather to accurately reflect the facility-wide potential emissions. Furthermore, CY-33 and CY-34 represent additional coal throughput for two of the stacking tubes.</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-10	TP-10	Conveyor B-4 to Coal Pile A	2015	2000 tph	ST

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

Fugitive Coal Dust Emissions Control Plan for Subpart Y - Fugitive Coal Dust Emissions Control Plan. The owner or operator of an open storage pile, which includes the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions as specified in paragraphs (c)(1) through (6) of this section. [40CFR§60.254(c)]

- (1) The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile. [40CFR§60.254(c)(1)]
- (2) For open coal storage piles, the fugitive coal dust emissions control plan must require that one or more of the following control measures be used to minimize to the greatest extent practicable fugitive coal dust: Locating the source inside a partial enclosure, installing and operating a water spray or fogging system, applying appropriate chemical dust suppression agents on the source (when the provisions of paragraph (c)(6) of this section are met), use of a wind barrier, compaction, or use of a vegetative cover. The owner or operator must select, for inclusion in the fugitive coal dust emissions control plan, the control measure or measures listed in this paragraph that are most appropriate for site conditions. The plan must also explain how the measures or measures selected are applicable and appropriate for site conditions. In addition, the plan must be revised as needed to reflect any changing conditions at the source. [40CFR§60.254(c)(2)]
- (3) Any owner or operator of an affected facility that is required to have a fugitive coal dust emissions control plan may petition the Administrator to approve, for inclusion in the plan for the affected facility, alternative control measures other than those specified in paragraph (c)(2) of this section as specified in paragraphs (c)(3)(i) through (iv) of this section. [40CFR§60.254(c)(3)]
 - (i) The petition must include a description of the alternative control measures, a copy of the fugitive coal dust emissions control plan for the affected facility that includes the alternative control measures, and

information sufficient for EPA to evaluate the demonstrations required by paragraph (c)(3)(ii) of this section. **[40CFR§60.254(c)(3)(i)]**

- (ii) The owner or operator must either demonstrate that the fugitive coal dust emissions control plan that includes the alternative control measures will provide equivalent overall environmental protection or demonstrate that it is either economically or technically infeasible for the affected facility to use the control measures specifically identified in paragraph (c)(2). **[40CFR§60.254(c)(3)(ii)]**
- (iii) While the petition is pending, the owner or operator must comply with the fugitive coal dust emissions control plan including the alternative control measures submitted with the petition. Operation in accordance with the plan submitted with the petition shall be deemed to constitute compliance with the requirement to operate in accordance with a fugitive coal dust emissions control plan that contains one of the control measures specifically identified in paragraph (c)(2) of this section while the petition is pending. **[40CFR§60.254(c)(3)(iii)]**
- (iv) If the petition is approved by the Administrator, the alternative control measures will be approved for inclusion in the fugitive coal dust emissions control plan for the affected facility. In lieu of amending this subpart, a letter will be sent to the facility describing the specific control measures approved. The facility shall make any such letters and the applicable fugitive coal dust emissions control plan available to the public. If the Administrator determines it is appropriate, the conditions and requirements of the letter can be reviewed and changed at any point. **[40CFR§60.254(c)(3)(iv)]**
- (4) The owner or operator must submit the fugitive coal dust emissions control plan to the Administrator or delegated authority prior to the startup of the new, reconstructed, or modified affected facility, or 30 days after the effective date of this rule, whichever is later. **[40CFR§60.254(c)(4)]**
- (5) The Administrator or delegated authority may object to the fugitive coal dust emissions control plan as specified in paragraphs (c)(5)(i) of this section. **[40CFR§60.254(c)(5)]**
 - (i) The Administrator or delegated authority may object to any fugitive coal dust emissions control plan that it has determined does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(i)]**
 - (ii) If an objection is raised, the owner or operator, within 30 days from receipt of the objection, must submit a revised fugitive coal dust emissions control plan to the Administrator or delegate authority. The owner or operator must operate in accordance with the revised fugitive coal dust emissions control plan. The Administrator or delegated authority retain the right, under paragraph (c)(5) of this section, to object to the revised control plan if it determines the plan does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(ii)]**
- (6) Where appropriate chemical dust suppressant agents are selected by the owner or operator as a control measure to minimize fugitive coal dust emissions, (1) only chemical dust suppressants with Occupational Safety and Health Administration (OSHA)-compliant material safety data sheets (MSDS) are to be allowed; (2) the MSDS must be included in the fugitive coal dust emissions control plan; and (3) the owner or operator must consider and document in the fugitive coal dust emissions control plan the site-specific impacts associated with the use of such chemical dust suppressants. **[40CFR§60.254(c)(6)]**
(R13-2034E condition 4.1.15)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.
(R13-2034E condition 4.1.16)

 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.)

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

The owner or operator of a coal preparation and processing plant that commenced construction, reconstruction, or modification after April 28, 2008, shall maintain in a logbook (written or electronic) on-site and make it available upon request. The logbook shall record the following:

- (6) Monthly certification that the fugitive coal dust emissions control plan was implemented as described. Any

variance from the plan, if any, shall be noted. A copy of the applicable fugitive coal dust emissions control plan and any letters from the Administrator providing approval of any alternative control measures shall be maintained with the logbook. Any actions, e.g., objections, to the plan and any actions relative to the alternative control measures, e.g., approvals, shall be noted in the logbook as well.

[40CFR§60.258(a)(6)]

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-11	Emission unit name: Sources for Emission Points TP-11	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-11: Transfer from conveyor B-5 to B-6		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-11: 2,000 TPH		
Maximum Hourly Throughput: CY-11: 2,000 TPH	Maximum Annual Throughput: CY-11: 7,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.007	0.012	
Particulate Matter (PM ₁₀)	0.045	0.079	
Total Particulate Matter (TSP)	0.095	0.167	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-11	TP-11	Conveyor B-5 to B-6	2016	2000 tph	FE/FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

☒ Permit Shield

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through

(iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems),

coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-12	Emission unit name: Sources for Emission Points TP-12	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-12: Transfer from conveyor B-5 to storage pile B		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-12: 2,000 TPH		
Maximum Hourly Throughput: CY-12: 2,000 TPH	Maximum Annual Throughput: CY-12: 7,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.034	0.015	
Particulate Matter (PM ₁₀)	0.225	0.099	
Total Particulate Matter (TSP)	0.476	0.208	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 13.2.4, (11/06)</p> <p>NOTE: The potential annual emissions calculated for CY-10, CY-12, CY-14, and CY-15 are based on 7,000,000 tons potential annual throughput divided equally between the four stacking tubes; i.e., 1,750,000 tons per year each. This is not meant to represent a limit per stacking tube but rather to accurately reflect the facility-wide potential emissions. Furthermore, CY-33 and CY-34 represent additional coal throughput for two of the stacking tubes.</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-12	TP-12	Conveyor B-5 to Coal Pile B	2015	2000 tph	ST

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

Fugitive Coal Dust Emissions Control Plan for Subpart Y - Fugitive Coal Dust Emissions Control Plan. The owner or operator of an open storage pile, which includes the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions as specified in paragraphs (c)(1) through (6) of this section. [40CFR§60.254(c)]

- (1) The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile. [40CFR§60.254(c)(1)]
- (2) For open coal storage piles, the fugitive coal dust emissions control plan must require that one or more of the following control measures be used to minimize to the greatest extent practicable fugitive coal dust: Locating the source inside a partial enclosure, installing and operating a water spray or fogging system, applying appropriate chemical dust suppression agents on the source (when the provisions of paragraph (c)(6) of this section are met), use of a wind barrier, compaction, or use of a vegetative cover. The owner or operator must select, for inclusion in the fugitive coal dust emissions control plan, the control measure or measures listed in this paragraph that are most appropriate for site conditions. The plan must also explain how the measures or measures selected are applicable and appropriate for site conditions. In addition, the plan must be revised as needed to reflect any changing conditions at the source. [40CFR§60.254(c)(2)]
- (3) Any owner or operator of an affected facility that is required to have a fugitive coal dust emissions control plan may petition the Administrator to approve, for inclusion in the plan for the affected facility, alternative control measures other than those specified in paragraph (c)(2) of this section as specified in paragraphs (c)(3)(i) through (iv) of this section. [40CFR§60.254(c)(3)]
 - (i) The petition must include a description of the alternative control measures, a copy of the fugitive coal dust emissions control plan for the affected facility that includes the alternative control measures, and

information sufficient for EPA to evaluate the demonstrations required by paragraph (c)(3)(ii) of this section. **[40CFR§60.254(c)(3)(i)]**

- (ii) The owner or operator must either demonstrate that the fugitive coal dust emissions control plan that includes the alternative control measures will provide equivalent overall environmental protection or demonstrate that it is either economically or technically infeasible for the affected facility to use the control measures specifically identified in paragraph (c)(2). **[40CFR§60.254(c)(3)(ii)]**
- (iii) While the petition is pending, the owner or operator must comply with the fugitive coal dust emissions control plan including the alternative control measures submitted with the petition. Operation in accordance with the plan submitted with the petition shall be deemed to constitute compliance with the requirement to operate in accordance with a fugitive coal dust emissions control plan that contains one of the control measures specifically identified in paragraph (c)(2) of this section while the petition is pending. **[40CFR§60.254(c)(3)(iii)]**
- (iv) If the petition is approved by the Administrator, the alternative control measures will be approved for inclusion in the fugitive coal dust emissions control plan for the affected facility. In lieu of amending this subpart, a letter will be sent to the facility describing the specific control measures approved. The facility shall make any such letters and the applicable fugitive coal dust emissions control plan available to the public. If the Administrator determines it is appropriate, the conditions and requirements of the letter can be reviewed and changed at any point. **[40CFR§60.254(c)(3)(iv)]**
- (4) The owner or operator must submit the fugitive coal dust emissions control plan to the Administrator or delegated authority prior to the startup of the new, reconstructed, or modified affected facility, or 30 days after the effective date of this rule, whichever is later. **[40CFR§60.254(c)(4)]**
- (5) The Administrator or delegated authority may object to the fugitive coal dust emissions control plan as specified in paragraphs (c)(5)(i) of this section. **[40CFR§60.254(c)(5)]**
 - (i) The Administrator or delegated authority may object to any fugitive coal dust emissions control plan that it has determined does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(i)]**
 - (ii) If an objection is raised, the owner or operator, within 30 days from receipt of the objection, must submit a revised fugitive coal dust emissions control plan to the Administrator or delegate authority. The owner or operator must operate in accordance with the revised fugitive coal dust emissions control plan. The Administrator or delegated authority retain the right, under paragraph (c)(5) of this section, to object to the revised control plan if it determines the plan does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(ii)]**
- (6) Where appropriate chemical dust suppressant agents are selected by the owner or operator as a control measure to minimize fugitive coal dust emissions, (1) only chemical dust suppressants with Occupational Safety and Health Administration (OSHA)-compliant material safety data sheets (MSDS) are to be allowed; (2) the MSDS must be included in the fugitive coal dust emissions control plan; and (3) the owner or operator must consider and document in the fugitive coal dust emissions control plan the site-specific impacts associated with the use of such chemical dust suppressants. **[40CFR§60.254(c)(6)]**
(R13-2034E condition 4.1.15)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.
(R13-2034E condition 4.1.16)

 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.)

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

The owner or operator of a coal preparation and processing plant that commenced construction, reconstruction, or modification after April 28, 2008, shall maintain in a logbook (written or electronic) on-site and make it available upon request. The logbook shall record the following:

- (6) Monthly certification that the fugitive coal dust emissions control plan was implemented as described. Any

variance from the plan, if any, shall be noted. A copy of the applicable fugitive coal dust emissions control plan and any letters from the Administrator providing approval of any alternative control measures shall be maintained with the logbook. Any actions, e.g., objections, to the plan and any actions relative to the alternative control measures, e.g., approvals, shall be noted in the logbook as well.

[40CFR§60.258(a)(6)]

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-13	Emission unit name: Sources for Emission Point TP-13	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-13: Transfer from conveyor B-6 to B-7		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-13: 2,000 TPH		
Maximum Hourly Throughput: CY-13: 2,000 TPH	Maximum Annual Throughput: CY-13: 7,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.007	0.012	
Particulate Matter (PM ₁₀)	0.045	0.079	
Total Particulate Matter (TSP)	0.095	0.167	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 13.2.4, (11/06)</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-13	TP-13	Conveyor B-6 to B-7	2016	2000 tph	FE/FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

☒ Permit Shield

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through

(iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems),

coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-14	Emission unit name: Sources for Emission Points TP-14	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-14: Transfer from conveyor B-6 to storage pile C		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-14: 2,000 TPH		
Maximum Hourly Throughput: CY-14: 2,000 TPH	Maximum Annual Throughput: CY-14: 7,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.034	0.015	
Particulate Matter (PM ₁₀)	0.225	0.099	
Total Particulate Matter (TSP)	0.476	0.208	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 13.2.4, (11/06)</p> <p>NOTE: The potential annual emissions calculated for CY-10, CY-12, CY-14, and CY-15 are based on 7,000,000 tons potential annual throughput divided equally between the four stacking tubes; i.e., 1,750,000 tons per year each. This is not meant to represent a limit per stacking tube but rather to accurately reflect the facility-wide potential emissions. Furthermore, CY-33 and CY-34 represent additional coal throughput for two of the stacking tubes.</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-14	TP-14	Conveyor B-6 to Coal Pile C	2017	2000 tph	ST

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. **[40CFR§60.254(b)(1)]**
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). **[40CFR§60.254(b)(2)]**
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. **[40CFR§60.254(b)(3)]**

(R13-2034E condition 4.1.14)

Fugitive Coal Dust Emissions Control Plan for Subpart Y - Fugitive Coal Dust Emissions Control Plan. The owner or operator of an open storage pile, which includes the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions as specified in paragraphs (c)(1) through (6) of this section. **[40CFR§60.254(c)]**

- (1) The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile. **[40CFR§60.254(c)(1)]**
- (2) For open coal storage piles, the fugitive coal dust emissions control plan must require that one or more of the following control measures be used to minimize to the greatest extent practicable fugitive coal dust: Locating the source inside a partial enclosure, installing and operating a water spray or fogging system, applying appropriate chemical dust suppression agents on the source (when the provisions of paragraph (c)(6) of this section are met), use of a wind barrier, compaction, or use of a vegetative cover. The owner or operator must select, for inclusion in the fugitive coal dust emissions control plan, the control measure or measures listed in this paragraph that are most appropriate for site conditions. The plan must also explain how the measures or measures selected are applicable and appropriate for site conditions. In addition, the plan must be revised as needed to reflect any changing conditions at the source. **[40CFR§60.254(c)(2)]**
- (3) Any owner or operator of an affected facility that is required to have a fugitive coal dust emissions control plan may petition the Administrator to approve, for inclusion in the plan for the affected facility, alternative control measures other than those specified in paragraph (c)(2) of this section as specified in paragraphs (c)(3)(i) through (iv) of this section. **[40CFR§60.254(c)(3)]**
 - (i) The petition must include a description of the alternative control measures, a copy of the fugitive coal dust emissions control plan for the affected facility that includes the alternative control measures, and

information sufficient for EPA to evaluate the demonstrations required by paragraph (c)(3)(ii) of this section. **[40CFR§60.254(c)(3)(i)]**

- (ii) The owner or operator must either demonstrate that the fugitive coal dust emissions control plan that includes the alternative control measures will provide equivalent overall environmental protection or demonstrate that it is either economically or technically infeasible for the affected facility to use the control measures specifically identified in paragraph (c)(2). **[40CFR§60.254(c)(3)(ii)]**
- (iii) While the petition is pending, the owner or operator must comply with the fugitive coal dust emissions control plan including the alternative control measures submitted with the petition. Operation in accordance with the plan submitted with the petition shall be deemed to constitute compliance with the requirement to operate in accordance with a fugitive coal dust emissions control plan that contains one of the control measures specifically identified in paragraph (c)(2) of this section while the petition is pending. **[40CFR§60.254(c)(3)(iii)]**
- (iv) If the petition is approved by the Administrator, the alternative control measures will be approved for inclusion in the fugitive coal dust emissions control plan for the affected facility. In lieu of amending this subpart, a letter will be sent to the facility describing the specific control measures approved. The facility shall make any such letters and the applicable fugitive coal dust emissions control plan available to the public. If the Administrator determines it is appropriate, the conditions and requirements of the letter can be reviewed and changed at any point. **[40CFR§60.254(c)(3)(iv)]**
- (4) The owner or operator must submit the fugitive coal dust emissions control plan to the Administrator or delegated authority prior to the startup of the new, reconstructed, or modified affected facility, or 30 days after the effective date of this rule, whichever is later. **[40CFR§60.254(c)(4)]**
- (5) The Administrator or delegated authority may object to the fugitive coal dust emissions control plan as specified in paragraphs (c)(5)(i) of this section. **[40CFR§60.254(c)(5)]**
 - (i) The Administrator or delegated authority may object to any fugitive coal dust emissions control plan that it has determined does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(i)]**
 - (ii) If an objection is raised, the owner or operator, within 30 days from receipt of the objection, must submit a revised fugitive coal dust emissions control plan to the Administrator or delegate authority. The owner or operator must operate in accordance with the revised fugitive coal dust emissions control plan. The Administrator or delegated authority retain the right, under paragraph (c)(5) of this section, to object to the revised control plan if it determines the plan does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(ii)]**
- (6) Where appropriate chemical dust suppressant agents are selected by the owner or operator as a control measure to minimize fugitive coal dust emissions, (1) only chemical dust suppressants with Occupational Safety and Health Administration (OSHA)-compliant material safety data sheets (MSDS) are to be allowed; (2) the MSDS must be included in the fugitive coal dust emissions control plan; and (3) the owner or operator must consider and document in the fugitive coal dust emissions control plan the site-specific impacts associated with the use of such chemical dust suppressants. **[40CFR§60.254(c)(6)]**
(R13-2034E condition 4.1.15)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.
(R13-2034E condition 4.1.16)

 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.)

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

The owner or operator of a coal preparation and processing plant that commenced construction, reconstruction, or modification after April 28, 2008, shall maintain in a logbook (written or electronic) on-site and make it available upon request. The logbook shall record the following:

- (6) Monthly certification that the fugitive coal dust emissions control plan was implemented as described. Any

variance from the plan, if any, shall be noted. A copy of the applicable fugitive coal dust emissions control plan and any letters from the Administrator providing approval of any alternative control measures shall be maintained with the logbook. Any actions, e.g., objections, to the plan and any actions relative to the alternative control measures, e.g., approvals, shall be noted in the logbook as well.

[40CFR§60.258(a)(6)]

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-15	Emission unit name: Sources for Emission Points TP-15	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-15: Transfer from conveyor B-7 to storage pile D		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-15: 2,000 TPH		
Maximum Hourly Throughput: CY-15: 2,000 TPH	Maximum Annual Throughput: CY-15: 7,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.034	0.015	
Particulate Matter (PM ₁₀)	0.225	0.099	
Total Particulate Matter (TSP)	0.476	0.208	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 13.2.4, (11/06)</p> <p>NOTE: The potential annual emissions calculated for CY-10, CY-12, CY-14, and CY-15 are based on 7,000,000 tons potential annual throughput divided equally between the four stacking tubes; i.e., 1,750,000 tons per year each. This is not meant to represent a limit per stacking tube but rather to accurately reflect the facility-wide potential emissions. Furthermore, CY-33 and CY-34 represent additional coal throughput for two of the stacking tubes.</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-15	TP-15	Conveyor B-7 to Coal Pile D	2017	2000 tph	ST

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

Fugitive Coal Dust Emissions Control Plan for Subpart Y - Fugitive Coal Dust Emissions Control Plan. The owner or operator of an open storage pile, which includes the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions as specified in paragraphs (c)(1) through (6) of this section. [40CFR§60.254(c)]

- (1) The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile. [40CFR§60.254(c)(1)]
- (2) For open coal storage piles, the fugitive coal dust emissions control plan must require that one or more of the following control measures be used to minimize to the greatest extent practicable fugitive coal dust: Locating the source inside a partial enclosure, installing and operating a water spray or fogging system, applying appropriate chemical dust suppression agents on the source (when the provisions of paragraph (c)(6) of this section are met), use of a wind barrier, compaction, or use of a vegetative cover. The owner or operator must select, for inclusion in the fugitive coal dust emissions control plan, the control measure or measures listed in this paragraph that are most appropriate for site conditions. The plan must also explain how the measures or measures selected are applicable and appropriate for site conditions. In addition, the plan must be revised as needed to reflect any changing conditions at the source. [40CFR§60.254(c)(2)]
- (3) Any owner or operator of an affected facility that is required to have a fugitive coal dust emissions control plan may petition the Administrator to approve, for inclusion in the plan for the affected facility, alternative control measures other than those specified in paragraph (c)(2) of this section as specified in paragraphs (c)(3)(i) through (iv) of this section. [40CFR§60.254(c)(3)]
 - (i) The petition must include a description of the alternative control measures, a copy of the fugitive coal dust emissions control plan for the affected facility that includes the alternative control measures, and

information sufficient for EPA to evaluate the demonstrations required by paragraph (c)(3)(ii) of this section. **[40CFR§60.254(c)(3)(i)]**

- (ii) The owner or operator must either demonstrate that the fugitive coal dust emissions control plan that includes the alternative control measures will provide equivalent overall environmental protection or demonstrate that it is either economically or technically infeasible for the affected facility to use the control measures specifically identified in paragraph (c)(2). **[40CFR§60.254(c)(3)(ii)]**
- (iii) While the petition is pending, the owner or operator must comply with the fugitive coal dust emissions control plan including the alternative control measures submitted with the petition. Operation in accordance with the plan submitted with the petition shall be deemed to constitute compliance with the requirement to operate in accordance with a fugitive coal dust emissions control plan that contains one of the control measures specifically identified in paragraph (c)(2) of this section while the petition is pending. **[40CFR§60.254(c)(3)(iii)]**
- (iv) If the petition is approved by the Administrator, the alternative control measures will be approved for inclusion in the fugitive coal dust emissions control plan for the affected facility. In lieu of amending this subpart, a letter will be sent to the facility describing the specific control measures approved. The facility shall make any such letters and the applicable fugitive coal dust emissions control plan available to the public. If the Administrator determines it is appropriate, the conditions and requirements of the letter can be reviewed and changed at any point. **[40CFR§60.254(c)(3)(iv)]**
- (4) The owner or operator must submit the fugitive coal dust emissions control plan to the Administrator or delegated authority prior to the startup of the new, reconstructed, or modified affected facility, or 30 days after the effective date of this rule, whichever is later. **[40CFR§60.254(c)(4)]**
- (5) The Administrator or delegated authority may object to the fugitive coal dust emissions control plan as specified in paragraphs (c)(5)(i) of this section. **[40CFR§60.254(c)(5)]**
 - (i) The Administrator or delegated authority may object to any fugitive coal dust emissions control plan that it has determined does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(i)]**
 - (ii) If an objection is raised, the owner or operator, within 30 days from receipt of the objection, must submit a revised fugitive coal dust emissions control plan to the Administrator or delegate authority. The owner or operator must operate in accordance with the revised fugitive coal dust emissions control plan. The Administrator or delegated authority retain the right, under paragraph (c)(5) of this section, to object to the revised control plan if it determines the plan does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(ii)]**
- (6) Where appropriate chemical dust suppressant agents are selected by the owner or operator as a control measure to minimize fugitive coal dust emissions, (1) only chemical dust suppressants with Occupational Safety and Health Administration (OSHA)-compliant material safety data sheets (MSDS) are to be allowed; (2) the MSDS must be included in the fugitive coal dust emissions control plan; and (3) the owner or operator must consider and document in the fugitive coal dust emissions control plan the site-specific impacts associated with the use of such chemical dust suppressants. **[40CFR§60.254(c)(6)]**
(R13-2034E condition 4.1.15)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.
(R13-2034E condition 4.1.16)

 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.)

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

The owner or operator of a coal preparation and processing plant that commenced construction, reconstruction, or modification after April 28, 2008, shall maintain in a logbook (written or electronic) on-site and make it available upon request. The logbook shall record the following:

- (6) Monthly certification that the fugitive coal dust emissions control plan was implemented as described. Any

variance from the plan, if any, shall be noted. A copy of the applicable fugitive coal dust emissions control plan and any letters from the Administrator providing approval of any alternative control measures shall be maintained with the logbook. Any actions, e.g., objections, to the plan and any actions relative to the alternative control measures, e.g., approvals, shall be noted in the logbook as well.

[40CFR§60.258(a)(6)]

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-16	Emission unit name: Sources for Emission Points TP-16	List any control devices associated with this emission unit: PE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-16: Transfer from storage pile C to conveyor R-3		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-16: 1,200 TPH		
Maximum Hourly Throughput: CY-16: 1,200 TPH	Maximum Annual Throughput: CY-16: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.005	0.003	
Particulate Matter (PM ₁₀)	0.036	0.023	
Total Particulate Matter (TSP)	0.076	0.048	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 13.2.4, (11/06)</p> <p>NOTE: The potential annual emissions calculated for CY-16 and CY-17 are based on 3,000,000 tons potential annual throughput divided equally between the two transfer points; i.e., 1,500,000 tons per year each. This is not meant to represent a limit per transfer point but rather to accurately reflect the facility-wide potential emissions.</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-16	TP-16	Coal Pile C to Conveyor R-3	2017	1200 tph	PE/FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. **[40CFR§60.254(b)(1)]**
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). **[40CFR§60.254(b)(2)]**
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. **[40CFR§60.254(b)(3)]**

(R13-2034E condition 4.1.14)

Fugitive Coal Dust Emissions Control Plan for Subpart Y - Fugitive Coal Dust Emissions Control Plan. The owner or operator of an open storage pile, which includes the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions as specified in paragraphs (c)(1) through (6) of this section. **[40CFR§60.254(c)]**

- (1) The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile. **[40CFR§60.254(c)(1)]**
- (2) For open coal storage piles, the fugitive coal dust emissions control plan must require that one or more of the following control measures be used to minimize to the greatest extent practicable fugitive coal dust: Locating the source inside a partial enclosure, installing and operating a water spray or fogging system, applying appropriate chemical dust suppression agents on the source (when the provisions of paragraph (c)(6) of this section are met), use of a wind barrier, compaction, or use of a vegetative cover. The owner or operator must select, for inclusion in the fugitive coal dust emissions control plan, the control measure or measures listed in this paragraph that are most appropriate for site conditions. The plan must also explain how the measures or measures selected are applicable and appropriate for site conditions. In addition, the plan must be revised as needed to reflect any changing conditions at the source. **[40CFR§60.254(c)(2)]**
- (3) Any owner or operator of an affected facility that is required to have a fugitive coal dust emissions control plan may petition the Administrator to approve, for inclusion in the plan for the affected facility, alternative control measures other than those specified in paragraph (c)(2) of this section as specified in paragraphs (c)(3)(i) through (iv) of this section. **[40CFR§60.254(c)(3)]**
 - (i) The petition must include a description of the alternative control measures, a copy of the fugitive coal dust emissions control plan for the affected facility that includes the alternative control measures, and

information sufficient for EPA to evaluate the demonstrations required by paragraph (c)(3)(ii) of this section. **[40CFR§60.254(c)(3)(i)]**

- (ii) The owner or operator must either demonstrate that the fugitive coal dust emissions control plan that includes the alternative control measures will provide equivalent overall environmental protection or demonstrate that it is either economically or technically infeasible for the affected facility to use the control measures specifically identified in paragraph (c)(2). **[40CFR§60.254(c)(3)(ii)]**
- (iii) While the petition is pending, the owner or operator must comply with the fugitive coal dust emissions control plan including the alternative control measures submitted with the petition. Operation in accordance with the plan submitted with the petition shall be deemed to constitute compliance with the requirement to operate in accordance with a fugitive coal dust emissions control plan that contains one of the control measures specifically identified in paragraph (c)(2) of this section while the petition is pending. **[40CFR§60.254(c)(3)(iii)]**
- (iv) If the petition is approved by the Administrator, the alternative control measures will be approved for inclusion in the fugitive coal dust emissions control plan for the affected facility. In lieu of amending this subpart, a letter will be sent to the facility describing the specific control measures approved. The facility shall make any such letters and the applicable fugitive coal dust emissions control plan available to the public. If the Administrator determines it is appropriate, the conditions and requirements of the letter can be reviewed and changed at any point. **[40CFR§60.254(c)(3)(iv)]**
- (4) The owner or operator must submit the fugitive coal dust emissions control plan to the Administrator or delegated authority prior to the startup of the new, reconstructed, or modified affected facility, or 30 days after the effective date of this rule, whichever is later. **[40CFR§60.254(c)(4)]**
- (5) The Administrator or delegated authority may object to the fugitive coal dust emissions control plan as specified in paragraphs (c)(5)(i) of this section. **[40CFR§60.254(c)(5)]**
 - (i) The Administrator or delegated authority may object to any fugitive coal dust emissions control plan that it has determined does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(i)]**
 - (ii) If an objection is raised, the owner or operator, within 30 days from receipt of the objection, must submit a revised fugitive coal dust emissions control plan to the Administrator or delegate authority. The owner or operator must operate in accordance with the revised fugitive coal dust emissions control plan. The Administrator or delegated authority retain the right, under paragraph (c)(5) of this section, to object to the revised control plan if it determines the plan does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(ii)]**
- (6) Where appropriate chemical dust suppressant agents are selected by the owner or operator as a control measure to minimize fugitive coal dust emissions, (1) only chemical dust suppressants with Occupational Safety and Health Administration (OSHA)-compliant material safety data sheets (MSDS) are to be allowed; (2) the MSDS must be included in the fugitive coal dust emissions control plan; and (3) the owner or operator must consider and document in the fugitive coal dust emissions control plan the site-specific impacts associated with the use of such chemical dust suppressants. **[40CFR§60.254(c)(6)]**
(R13-2034E condition 4.1.15)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.
(R13-2034E condition 4.1.16)

 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.)

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

The owner or operator of a coal preparation and processing plant that commenced construction, reconstruction, or modification after April 28, 2008, shall maintain in a logbook (written or electronic) on-site and make it available upon request. The logbook shall record the following:

- (6) Monthly certification that the fugitive coal dust emissions control plan was implemented as described. Any

variance from the plan, if any, shall be noted. A copy of the applicable fugitive coal dust emissions control plan and any letters from the Administrator providing approval of any alternative control measures shall be maintained with the logbook. Any actions, e.g., objections, to the plan and any actions relative to the alternative control measures, e.g., approvals, shall be noted in the logbook as well.

[40CFR§60.258(a)(6)]

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-17	Emission unit name: Sources for Emission Point TP-17	List any control devices associated with this emission unit: PE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-17: Transfer from storage pile D to conveyor R-3		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-17: 1,200 TPH		
Maximum Hourly Throughput: CY-17: 1,200 TPH	Maximum Annual Throughput: CY-17: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.005	0.003	
Particulate Matter (PM ₁₀)	0.036	0.023	
Total Particulate Matter (TSP)	0.076	0.048	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 13.2.4, (11/06)</p> <p>NOTE: The potential annual emissions calculated for CY-16 and CY-17 are based on 3,000,000 tons potential annual throughput divided equally between the two transfer points; i.e., 1,500,000 tons per year each. This is not meant to represent a limit per transfer point but rather to accurately reflect the facility-wide potential emissions.</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-17	TP-17	Coal Pile D to Conveyor R-3	2017	1200 tph	PE/FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. **[40CFR§60.254(b)(1)]**
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). **[40CFR§60.254(b)(2)]**
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. **[40CFR§60.254(b)(3)]**

(R13-2034E condition 4.1.14)

Fugitive Coal Dust Emissions Control Plan for Subpart Y - Fugitive Coal Dust Emissions Control Plan. The owner or operator of an open storage pile, which includes the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions as specified in paragraphs (c)(1) through (6) of this section. **[40CFR§60.254(c)]**

- (1) The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile. **[40CFR§60.254(c)(1)]**
- (2) For open coal storage piles, the fugitive coal dust emissions control plan must require that one or more of the following control measures be used to minimize to the greatest extent practicable fugitive coal dust: Locating the source inside a partial enclosure, installing and operating a water spray or fogging system, applying appropriate chemical dust suppression agents on the source (when the provisions of paragraph (c)(6) of this section are met), use of a wind barrier, compaction, or use of a vegetative cover. The owner or operator must select, for inclusion in the fugitive coal dust emissions control plan, the control measure or measures listed in this paragraph that are most appropriate for site conditions. The plan must also explain how the measures or measures selected are applicable and appropriate for site conditions. In addition, the plan must be revised as needed to reflect any changing conditions at the source. **[40CFR§60.254(c)(2)]**
- (3) Any owner or operator of an affected facility that is required to have a fugitive coal dust emissions control plan may petition the Administrator to approve, for inclusion in the plan for the affected facility, alternative control measures other than those specified in paragraph (c)(2) of this section as specified in paragraphs (c)(3)(i) through (iv) of this section. **[40CFR§60.254(c)(3)]**
 - (i) The petition must include a description of the alternative control measures, a copy of the fugitive coal dust emissions control plan for the affected facility that includes the alternative control measures, and

information sufficient for EPA to evaluate the demonstrations required by paragraph (c)(3)(ii) of this section. **[40CFR§60.254(c)(3)(i)]**

- (ii) The owner or operator must either demonstrate that the fugitive coal dust emissions control plan that includes the alternative control measures will provide equivalent overall environmental protection or demonstrate that it is either economically or technically infeasible for the affected facility to use the control measures specifically identified in paragraph (c)(2). **[40CFR§60.254(c)(3)(ii)]**
- (iii) While the petition is pending, the owner or operator must comply with the fugitive coal dust emissions control plan including the alternative control measures submitted with the petition. Operation in accordance with the plan submitted with the petition shall be deemed to constitute compliance with the requirement to operate in accordance with a fugitive coal dust emissions control plan that contains one of the control measures specifically identified in paragraph (c)(2) of this section while the petition is pending. **[40CFR§60.254(c)(3)(iii)]**
- (iv) If the petition is approved by the Administrator, the alternative control measures will be approved for inclusion in the fugitive coal dust emissions control plan for the affected facility. In lieu of amending this subpart, a letter will be sent to the facility describing the specific control measures approved. The facility shall make any such letters and the applicable fugitive coal dust emissions control plan available to the public. If the Administrator determines it is appropriate, the conditions and requirements of the letter can be reviewed and changed at any point. **[40CFR§60.254(c)(3)(iv)]**
- (4) The owner or operator must submit the fugitive coal dust emissions control plan to the Administrator or delegated authority prior to the startup of the new, reconstructed, or modified affected facility, or 30 days after the effective date of this rule, whichever is later. **[40CFR§60.254(c)(4)]**
- (5) The Administrator or delegated authority may object to the fugitive coal dust emissions control plan as specified in paragraphs (c)(5)(i) of this section. **[40CFR§60.254(c)(5)]**
 - (i) The Administrator or delegated authority may object to any fugitive coal dust emissions control plan that it has determined does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(i)]**
 - (ii) If an objection is raised, the owner or operator, within 30 days from receipt of the objection, must submit a revised fugitive coal dust emissions control plan to the Administrator or delegate authority. The owner or operator must operate in accordance with the revised fugitive coal dust emissions control plan. The Administrator or delegated authority retain the right, under paragraph (c)(5) of this section, to object to the revised control plan if it determines the plan does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(ii)]**
- (6) Where appropriate chemical dust suppressant agents are selected by the owner or operator as a control measure to minimize fugitive coal dust emissions, (1) only chemical dust suppressants with Occupational Safety and Health Administration (OSHA)-compliant material safety data sheets (MSDS) are to be allowed; (2) the MSDS must be included in the fugitive coal dust emissions control plan; and (3) the owner or operator must consider and document in the fugitive coal dust emissions control plan the site-specific impacts associated with the use of such chemical dust suppressants. **[40CFR§60.254(c)(6)]**
(R13-2034E condition 4.1.15)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.
(R13-2034E condition 4.1.16)

 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.)

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

The owner or operator of a coal preparation and processing plant that commenced construction, reconstruction, or modification after April 28, 2008, shall maintain in a logbook (written or electronic) on-site and make it available upon request. The logbook shall record the following:

- (6) Monthly certification that the fugitive coal dust emissions control plan was implemented as described. Any

variance from the plan, if any, shall be noted. A copy of the applicable fugitive coal dust emissions control plan and any letters from the Administrator providing approval of any alternative control measures shall be maintained with the logbook. Any actions, e.g., objections, to the plan and any actions relative to the alternative control measures, e.g., approvals, shall be noted in the logbook as well.

[40CFR§60.258(a)(6)]

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-18	Emission unit name: Sources for Emission Point TP-18	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-18: Transfer from conveyor R-3 to R-4		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-18: 1,200 TPH		
Maximum Hourly Throughput: CY-18: 1,200 TPH	Maximum Annual Throughput: CY-18: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.004	0.005	
Particulate Matter (PM ₁₀)	0.027	0.034	
Total Particulate Matter (TSP)	0.057	0.071	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-18	TP-18	Conveyor R-3 to R-4	2017	1200 tph	FE/FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

☒ Permit Shield

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through

(iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems),

coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-19	Emission unit name: Sources for Emission Point TP-19	List any control devices associated with this emission unit: FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-19: Transfer from conveyor R-4 to Q-1		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-19: 1,200 TPH		
Maximum Hourly Throughput: CY-19: 1,200 TPH	Maximum Annual Throughput: CY-19: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.041	0.051	
Particulate Matter (PM ₁₀)	0.270	0.338	
Total Particulate Matter (TSP)	0.571	0.714	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-19	TP-19	Conveyor R-4 to Q-1	2017	1200 tph	FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through

(iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems),

coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-20	Emission unit name: Sources for Emission Point TP-20	List any control devices associated with this emission unit: FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-20: Transfer from conveyor R-4 to Q-2		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-20: 1,200 TPH		
Maximum Hourly Throughput: CY-20: 1,200 TPH	Maximum Annual Throughput: CY-20: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.041	0.051	
Particulate Matter (PM ₁₀)	0.270	0.338	
Total Particulate Matter (TSP)	0.571	0.714	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-20	TP-20	Conveyor R-4 to Q-2	2017	1200 tph	FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

☒ Permit Shield

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through

(iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems),

coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

- (3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.
- (6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-21	Emission unit name: Sources for Emission Points TP-21	List any control devices associated with this emission unit: PE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-21: Transfer from storage pile A to conveyor R-1		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-21: 1,200 TPH		
Maximum Hourly Throughput: CY-21: 1,200 TPH	Maximum Annual Throughput: CY-21: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.005	0.003	
Particulate Matter (PM ₁₀)	0.036	0.023	
Total Particulate Matter (TSP)	0.076	0.048	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 13.2.4, (11/06)</p> <p>NOTE: The potential annual emissions calculated for CY-21 and CY-22 are based on 3,000,000 tons potential annual throughput divided equally between the two transfer points; i.e., 1,500,000 tons per year each. This is not meant to represent a limit per transfer point but rather to accurately reflect the facility-wide potential emissions.</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-21	TP-21	Coal Pile A to Conveyor R-1	2016	1200 tph	PE/FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

Fugitive Coal Dust Emissions Control Plan for Subpart Y - Fugitive Coal Dust Emissions Control Plan. The owner or operator of an open storage pile, which includes the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions as specified in paragraphs (c)(1) through (6) of this section. [40CFR§60.254(c)]

- (1) The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile. [40CFR§60.254(c)(1)]
- (2) For open coal storage piles, the fugitive coal dust emissions control plan must require that one or more of the following control measures be used to minimize to the greatest extent practicable fugitive coal dust: Locating the source inside a partial enclosure, installing and operating a water spray or fogging system, applying appropriate chemical dust suppression agents on the source (when the provisions of paragraph (c)(6) of this section are met), use of a wind barrier, compaction, or use of a vegetative cover. The owner or operator must select, for inclusion in the fugitive coal dust emissions control plan, the control measure or measures listed in this paragraph that are most appropriate for site conditions. The plan must also explain how the measures or measures selected are applicable and appropriate for site conditions. In addition, the plan must be revised as needed to reflect any changing conditions at the source. [40CFR§60.254(c)(2)]
- (3) Any owner or operator of an affected facility that is required to have a fugitive coal dust emissions control plan may petition the Administrator to approve, for inclusion in the plan for the affected facility, alternative control measures other than those specified in paragraph (c)(2) of this section as specified in paragraphs (c)(3)(i) through (iv) of this section. [40CFR§60.254(c)(3)]
 - (i) The petition must include a description of the alternative control measures, a copy of the fugitive coal dust emissions control plan for the affected facility that includes the alternative control measures, and

information sufficient for EPA to evaluate the demonstrations required by paragraph (c)(3)(ii) of this section. **[40CFR§60.254(c)(3)(i)]**

- (ii) The owner or operator must either demonstrate that the fugitive coal dust emissions control plan that includes the alternative control measures will provide equivalent overall environmental protection or demonstrate that it is either economically or technically infeasible for the affected facility to use the control measures specifically identified in paragraph (c)(2). **[40CFR§60.254(c)(3)(ii)]**
- (iii) While the petition is pending, the owner or operator must comply with the fugitive coal dust emissions control plan including the alternative control measures submitted with the petition. Operation in accordance with the plan submitted with the petition shall be deemed to constitute compliance with the requirement to operate in accordance with a fugitive coal dust emissions control plan that contains one of the control measures specifically identified in paragraph (c)(2) of this section while the petition is pending. **[40CFR§60.254(c)(3)(iii)]**
- (iv) If the petition is approved by the Administrator, the alternative control measures will be approved for inclusion in the fugitive coal dust emissions control plan for the affected facility. In lieu of amending this subpart, a letter will be sent to the facility describing the specific control measures approved. The facility shall make any such letters and the applicable fugitive coal dust emissions control plan available to the public. If the Administrator determines it is appropriate, the conditions and requirements of the letter can be reviewed and changed at any point. **[40CFR§60.254(c)(3)(iv)]**
- (4) The owner or operator must submit the fugitive coal dust emissions control plan to the Administrator or delegated authority prior to the startup of the new, reconstructed, or modified affected facility, or 30 days after the effective date of this rule, whichever is later. **[40CFR§60.254(c)(4)]**
- (5) The Administrator or delegated authority may object to the fugitive coal dust emissions control plan as specified in paragraphs (c)(5)(i) of this section. **[40CFR§60.254(c)(5)]**
 - (i) The Administrator or delegated authority may object to any fugitive coal dust emissions control plan that it has determined does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(i)]**
 - (ii) If an objection is raised, the owner or operator, within 30 days from receipt of the objection, must submit a revised fugitive coal dust emissions control plan to the Administrator or delegate authority. The owner or operator must operate in accordance with the revised fugitive coal dust emissions control plan. The Administrator or delegated authority retain the right, under paragraph (c)(5) of this section, to object to the revised control plan if it determines the plan does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(ii)]**
- (6) Where appropriate chemical dust suppressant agents are selected by the owner or operator as a control measure to minimize fugitive coal dust emissions, (1) only chemical dust suppressants with Occupational Safety and Health Administration (OSHA)-compliant material safety data sheets (MSDS) are to be allowed; (2) the MSDS must be included in the fugitive coal dust emissions control plan; and (3) the owner or operator must consider and document in the fugitive coal dust emissions control plan the site-specific impacts associated with the use of such chemical dust suppressants. **[40CFR§60.254(c)(6)]**
(R13-2034E condition 4.1.15)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.
(R13-2034E condition 4.1.16)

 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.)

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

The owner or operator of a coal preparation and processing plant that commenced construction, reconstruction, or modification after April 28, 2008, shall maintain in a logbook (written or electronic) on-site and make it available upon request. The logbook shall record the following:

- (6) Monthly certification that the fugitive coal dust emissions control plan was implemented as described. Any

variance from the plan, if any, shall be noted. A copy of the applicable fugitive coal dust emissions control plan and any letters from the Administrator providing approval of any alternative control measures shall be maintained with the logbook. Any actions, e.g., objections, to the plan and any actions relative to the alternative control measures, e.g., approvals, shall be noted in the logbook as well.

[40CFR§60.258(a)(6)]

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-22	Emission unit name: Sources for Emission Points TP-22	List any control devices associated with this emission unit: PE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-22: Transfer from storage pile B to conveyor R-1		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-22: 1,200 TPH		
Maximum Hourly Throughput: CY-22: 1,200 TPH	Maximum Annual Throughput: CY-22: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.005	0.003	
Particulate Matter (PM ₁₀)	0.036	0.023	
Total Particulate Matter (TSP)	0.076	0.048	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 13.2.4, (11/06)</p> <p>NOTE: The potential annual emissions calculated for CY-21 and CY-22 are based on 3,000,000 tons potential annual throughput divided equally between the two transfer points; i.e., 1,500,000 tons per year each. This is not meant to represent a limit per transfer point but rather to accurately reflect the facility-wide potential emissions.</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-22	TP-22	Coal Pile B to Conveyor R-1	2016	1200 tph	PE/FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

Fugitive Coal Dust Emissions Control Plan for Subpart Y - Fugitive Coal Dust Emissions Control Plan. The owner or operator of an open storage pile, which includes the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions as specified in paragraphs (c)(1) through (6) of this section. [40CFR§60.254(c)]

- (1) The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile. [40CFR§60.254(c)(1)]
- (2) For open coal storage piles, the fugitive coal dust emissions control plan must require that one or more of the following control measures be used to minimize to the greatest extent practicable fugitive coal dust: Locating the source inside a partial enclosure, installing and operating a water spray or fogging system, applying appropriate chemical dust suppression agents on the source (when the provisions of paragraph (c)(6) of this section are met), use of a wind barrier, compaction, or use of a vegetative cover. The owner or operator must select, for inclusion in the fugitive coal dust emissions control plan, the control measure or measures listed in this paragraph that are most appropriate for site conditions. The plan must also explain how the measures or measures selected are applicable and appropriate for site conditions. In addition, the plan must be revised as needed to reflect any changing conditions at the source. [40CFR§60.254(c)(2)]
- (3) Any owner or operator of an affected facility that is required to have a fugitive coal dust emissions control plan may petition the Administrator to approve, for inclusion in the plan for the affected facility, alternative control measures other than those specified in paragraph (c)(2) of this section as specified in paragraphs (c)(3)(i) through (iv) of this section. [40CFR§60.254(c)(3)]
 - (i) The petition must include a description of the alternative control measures, a copy of the fugitive coal dust emissions control plan for the affected facility that includes the alternative control measures, and

information sufficient for EPA to evaluate the demonstrations required by paragraph (c)(3)(ii) of this section. **[40CFR§60.254(c)(3)(i)]**

- (ii) The owner or operator must either demonstrate that the fugitive coal dust emissions control plan that includes the alternative control measures will provide equivalent overall environmental protection or demonstrate that it is either economically or technically infeasible for the affected facility to use the control measures specifically identified in paragraph (c)(2). **[40CFR§60.254(c)(3)(ii)]**
- (iii) While the petition is pending, the owner or operator must comply with the fugitive coal dust emissions control plan including the alternative control measures submitted with the petition. Operation in accordance with the plan submitted with the petition shall be deemed to constitute compliance with the requirement to operate in accordance with a fugitive coal dust emissions control plan that contains one of the control measures specifically identified in paragraph (c)(2) of this section while the petition is pending. **[40CFR§60.254(c)(3)(iii)]**
- (iv) If the petition is approved by the Administrator, the alternative control measures will be approved for inclusion in the fugitive coal dust emissions control plan for the affected facility. In lieu of amending this subpart, a letter will be sent to the facility describing the specific control measures approved. The facility shall make any such letters and the applicable fugitive coal dust emissions control plan available to the public. If the Administrator determines it is appropriate, the conditions and requirements of the letter can be reviewed and changed at any point. **[40CFR§60.254(c)(3)(iv)]**
- (4) The owner or operator must submit the fugitive coal dust emissions control plan to the Administrator or delegated authority prior to the startup of the new, reconstructed, or modified affected facility, or 30 days after the effective date of this rule, whichever is later. **[40CFR§60.254(c)(4)]**
- (5) The Administrator or delegated authority may object to the fugitive coal dust emissions control plan as specified in paragraphs (c)(5)(i) of this section. **[40CFR§60.254(c)(5)]**
 - (i) The Administrator or delegated authority may object to any fugitive coal dust emissions control plan that it has determined does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(i)]**
 - (ii) If an objection is raised, the owner or operator, within 30 days from receipt of the objection, must submit a revised fugitive coal dust emissions control plan to the Administrator or delegate authority. The owner or operator must operate in accordance with the revised fugitive coal dust emissions control plan. The Administrator or delegated authority retain the right, under paragraph (c)(5) of this section, to object to the revised control plan if it determines the plan does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(ii)]**
- (6) Where appropriate chemical dust suppressant agents are selected by the owner or operator as a control measure to minimize fugitive coal dust emissions, (1) only chemical dust suppressants with Occupational Safety and Health Administration (OSHA)-compliant material safety data sheets (MSDS) are to be allowed; (2) the MSDS must be included in the fugitive coal dust emissions control plan; and (3) the owner or operator must consider and document in the fugitive coal dust emissions control plan the site-specific impacts associated with the use of such chemical dust suppressants. **[40CFR§60.254(c)(6)]**
(R13-2034E condition 4.1.15)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.
(R13-2034E condition 4.1.16)

 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.)

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

The owner or operator of a coal preparation and processing plant that commenced construction, reconstruction, or modification after April 28, 2008, shall maintain in a logbook (written or electronic) on-site and make it available upon request. The logbook shall record the following:

- (6) Monthly certification that the fugitive coal dust emissions control plan was implemented as described. Any

variance from the plan, if any, shall be noted. A copy of the applicable fugitive coal dust emissions control plan and any letters from the Administrator providing approval of any alternative control measures shall be maintained with the logbook. Any actions, e.g., objections, to the plan and any actions relative to the alternative control measures, e.g., approvals, shall be noted in the logbook as well.

[40CFR§60.258(a)(6)]

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-23	Emission unit name: Sources for Emission Point TP-23	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-23: Transfer from conveyor R-1 to R-2		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-23: 1,200 TPH		
Maximum Hourly Throughput: CY-23: 1,200 TPH	Maximum Annual Throughput: CY-23: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.004	0.005	
Particulate Matter (PM ₁₀)	0.027	0.034	
Total Particulate Matter (TSP)	0.057	0.071	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-23	TP-23	Conveyor R-1 to R-2	2017	1200 tph	FE/FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. **[40CFR§60.254(b)(1)]**
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). **[40CFR§60.254(b)(2)]**
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. **[40CFR§60.254(b)(3)]**

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

 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.)

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. **[40CFR§60.255(b)]**

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through

(iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems),

coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-24	Emission unit name: Sources for Emission Point TP-24	List any control devices associated with this emission unit: FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-24: Transfer from conveyor R-2 to Q-1		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-24: 1,200 TPH		
Maximum Hourly Throughput: CY-24: 1,200 TPH	Maximum Annual Throughput: CY-24: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.041	0.051	
Particulate Matter (PM ₁₀)	0.270	0.338	
Total Particulate Matter (TSP)	0.571	0.714	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-24	TP-24	Conveyor R-2 to Q-1	2017	1200 tph	FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through

(iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems),

coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-25	Emission unit name: Sources for Emission Point TP-25	List any control devices associated with this emission unit: FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-25: Transfer from conveyor R-2 to Q-2		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-25: 1,200 TPH		
Maximum Hourly Throughput: CY-25: 1,200 TPH	Maximum Annual Throughput: CY-25: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.041	0.051	
Particulate Matter (PM ₁₀)	0.270	0.338	
Total Particulate Matter (TSP)	0.571	0.714	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-25	TP-25	Conveyor R-2 to Q-2	2017	1200 tph	FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

☒ Permit Shield

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through

(iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems),

coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-26	Emission unit name: Sources for Emission Points TP-26	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-26: Transfer from conveyor C-5 to covered storage pile		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-26: 1,200 TPH		
Maximum Hourly Throughput: CY-26: 1,200 TPH	Maximum Annual Throughput: CY-26: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.068	0.085	
Particulate Matter (PM ₁₀)	0.450	0.563	
Total Particulate Matter (TSP)	0.952	1.191	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 13.2.4, (11/06)</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-26	TP-26	Dozer to Reclaim Feeder P-1	2017	1200 tph	PE

(R13-2034E condition 1.0)

The maximum throughput of coal to the covered storage area shall not exceed 3,200 TPH nor 3,000,000 TPY based on a rolling 12 month total.

(R13-2034E condition 4.1.7)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. **[40CFR§60.254(b)(1)]**
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). **[40CFR§60.254(b)(2)]**
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. **[40CFR§60.254(b)(3)]**

(R13-2034E condition 4.1.14)

Fugitive Coal Dust Emissions Control Plan for Subpart Y - Fugitive Coal Dust Emissions Control Plan. The owner or operator of an open storage pile, which includes the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions as specified in paragraphs (c)(1) through (6) of this section. **[40CFR§60.254(c)]**

- (1) The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile. **[40CFR§60.254(c)(1)]**
- (2) For open coal storage piles, the fugitive coal dust emissions control plan must require that one or more of the following control measures be used to minimize to the greatest extent practicable fugitive coal dust: Locating the source inside a partial enclosure, installing and operating a water spray or fogging system, applying appropriate chemical dust suppression agents on the source (when the provisions of paragraph (c)(6) of this section are met), use of a wind barrier, compaction, or use of a vegetative cover. The owner or operator must select, for inclusion in the fugitive coal dust emissions control plan, the control measure or measures listed in this paragraph that are most appropriate for site conditions. The plan must also explain how the measures or measures selected are applicable and appropriate for site conditions. In addition, the plan must be revised as needed to reflect any changing conditions at the source. **[40CFR§60.254(c)(2)]**
- (3) Any owner or operator of an affected facility that is required to have a fugitive coal dust emissions control plan may petition the Administrator to approve, for inclusion in the plan for the affected facility, alternative control

measures other than those specified in paragraph (c)(2) of this section as specified in paragraphs (c)(3)(i) through (iv) of this section. **[40CFR§60.254(c)(3)]**

- (i) The petition must include a description of the alternative control measures, a copy of the fugitive coal dust emissions control plan for the affected facility that includes the alternative control measures, and information sufficient for EPA to evaluate the demonstrations required by paragraph (c)(3)(ii) of this section. **[40CFR§60.254(c)(3)(i)]**
- (ii) The owner or operator must either demonstrate that the fugitive coal dust emissions control plan that includes the alternative control measures will provide equivalent overall environmental protection or demonstrate that it is either economically or technically infeasible for the affected facility to use the control measures specifically identified in paragraph (c)(2). **[40CFR§60.254(c)(3)(ii)]**
- (iii) While the petition is pending, the owner or operator must comply with the fugitive coal dust emissions control plan including the alternative control measures submitted with the petition. Operation in accordance with the plan submitted with the petition shall be deemed to constitute compliance with the requirement to operate in accordance with a fugitive coal dust emissions control plan that contains one of the control measures specifically identified in paragraph (c)(2) of this section while the petition is pending. **[40CFR§60.254(c)(3)(iii)]**
- (iv) If the petition is approved by the Administrator, the alternative control measures will be approved for inclusion in the fugitive coal dust emissions control plan for the affected facility. In lieu of amending this subpart, a letter will be sent to the facility describing the specific control measures approved. The facility shall make any such letters and the applicable fugitive coal dust emissions control plan available to the public. If the Administrator determines it is appropriate, the conditions and requirements of the letter can be reviewed and changed at any point. **[40CFR§60.254(c)(3)(iv)]**
- (4) The owner or operator must submit the fugitive coal dust emissions control plan to the Administrator or delegated authority prior to the startup of the new, reconstructed, or modified affected facility, or 30 days after the effective date of this rule, whichever is later. **[40CFR§60.254(c)(4)]**
- (5) The Administrator or delegated authority may object to the fugitive coal dust emissions control plan as specified in paragraphs (c)(5)(i) of this section. **[40CFR§60.254(c)(5)]**
 - (i) The Administrator or delegated authority may object to any fugitive coal dust emissions control plan that it has determined does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(i)]**
 - (ii) If an objection is raised, the owner or operator, within 30 days from receipt of the objection, must submit a revised fugitive coal dust emissions control plan to the Administrator or delegate authority. The owner or operator must operate in accordance with the revised fugitive coal dust emissions control plan. The Administrator or delegated authority retain the right, under paragraph (c)(5) of this section, to object to the revised control plan if it determines the plan does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(ii)]**
- (6) Where appropriate chemical dust suppressant agents are selected by the owner or operator as a control measure to minimize fugitive coal dust emissions, (1) only chemical dust suppressants with Occupational Safety and Health Administration (OSHA)-compliant material safety data sheets (MSDS) are to be allowed; (2) the MSDS must be included in the fugitive coal dust emissions control plan; and (3) the owner or operator must consider and document in the fugitive coal dust emissions control plan the site-specific impacts associated with the use of such chemical dust suppressants. **[40CFR§60.254(c)(6)]**

(R13-2034E condition 4.1.15)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

☒ **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.)

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or

operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through (iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section. [40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed. [40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be

implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems), coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

For the purposes of determining compliance with condition 4.1.7 of this permit, the permittee shall monitor the amount of coal delivered to the covered storage area each month.

(R13-2034E condition 4.3.6)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-27	Emission unit name: Sources for Emission Point TP-27	List any control devices associated with this emission unit: FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-27: Transfer from conveyor P-1 to Q-1		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-27: 1,200 TPH		
Maximum Hourly Throughput: CY-27: 1,200 TPH	Maximum Annual Throughput: CY-27: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.041	0.051	
Particulate Matter (PM ₁₀)	0.270	0.338	
Total Particulate Matter (TSP)	0.571	0.714	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-27	TP-27	Reclaim Feeder P-1 to Q-1	2017	1200 tph	FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through

(iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems),

coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-28	Emission unit name: Sources for Emission Point TP-30	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-28: Transfer from conveyor Q-2 to C-2		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-28: 1,200 TPH		
Maximum Hourly Throughput: CY-28: 1,200 TPH	Maximum Annual Throughput: CY-28: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.004	0.003	
Particulate Matter (PM ₁₀)	0.027	0.017	
Total Particulate Matter (TSP)	0.057	0.036	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 13.2.4, (11/06)</p> <p>NOTE: The potential annual emissions calculated for CY-28 and CY-29 are based on 3,000,000 tons potential annual throughput divided equally between the two transfer points; i.e., 1,500,000 tons per year each. This is not meant to represent a limit per transfer point but rather to accurately reflect the facility-wide potential emissions.</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-28	TP-30	Conveyor Q-2 to C-2	2017	1200 tph	FE/FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

☒ Permit Shield

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through

(iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems),

coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

- (3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.
- (6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-29	Emission unit name: Sources for Emission Point TP-31	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-29: Transfer from conveyor Q-2 to C-2		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-29: 1,200 TPH		
Maximum Hourly Throughput: CY-29: 1,200 TPH	Maximum Annual Throughput: CY-29: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.004	0.003	
Particulate Matter (PM ₁₀)	0.027	0.017	
Total Particulate Matter (TSP)	0.057	0.036	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 13.2.4, (11/06)</p> <p>NOTE: The potential annual emissions calculated for CY-28 and CY-29 are based on 3,000,000 tons potential annual throughput divided equally between the two transfer points; i.e., 1,500,000 tons per year each. This is not meant to represent a limit per transfer point but rather to accurately reflect the facility-wide potential emissions.</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-29	TP-31	Conveyor Q-2 to H-2	2017	1200 tph	FE/FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

☒ Permit Shield

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through

(iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems),

coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

- (3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.
- (6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-3	Emission unit name: Sources for Emission Points TP-3	List any control devices associated with this emission unit: TPTE/UGTE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-3: Transfer from conveyor A-1 to B-1		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-3: 2,000 TPH		
Maximum Hourly Throughput: CY-3: 2,000 TPH	Maximum Annual Throughput: CY-3: 7,000,000 TPY CY-2: 7,000,000 TPY CY-2a: 7,000,000 TPY CY-2b: 7,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.007	0.012	
Particulate Matter (PM ₁₀)	0.045	0.079	
Total Particulate Matter (TSP)	0.095	0.167	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 13.2.4, (11/06)</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-3	TP-3	Conveyor A-1 to B-1	2015	2000 tph	FE/FE

(R13-2034E condition 1.0)

The maximum throughput of the coal rail unloading facility shall not exceed 2,000 TPH nor 7,000,000 TPY based on a rolling 12 month total.

(R13-2034E condition 4.1.6)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

☒ Permit Shield

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and

(b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through (iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems), coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

For the purposes of determining compliance with condition 4.1.6 of this permit, the permittee shall monitor the total amount of coal transferred through the rail car unloading system each month.

(R13-2034E condition 4.3.5)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-30	Emission unit name: Sources for Emission Points TP-39	List any control devices associated with this emission unit: FE/PE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-30: Transfer from conveyor G-2 to C-5		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-30: 1,200 TPH		
Maximum Hourly Throughput: CY-30: 1,200 TPH	Maximum Annual Throughput: CY-30: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.020	0.026	
Particulate Matter (PM ₁₀)	0.135	0.169	
Total Particulate Matter (TSP)	0.286	0.357	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-30	TP-39	Conveyor G-2 to C-5	2017	1200 tph	FE/PE

(R13-2034E condition 1.0)

The maximum throughput of coal to the covered storage area shall not exceed 3,200 TPH nor 3,000,000 TPY based on a rolling 12 month total.

(R13-2034E condition 4.1.7)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. **[40CFR§60.254(b)(1)]**
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). **[40CFR§60.254(b)(2)]**
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. **[40CFR§60.254(b)(3)]**

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and

(b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through (iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems), coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

For the purposes of determining compliance with condition 4.1.7 of this permit, the permittee shall monitor the amount of coal delivered to the covered storage area each month.

(R13-2034E condition 4.3.6)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-31	Emission unit name: Sources for Emission Point TP-40	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-31: Transfer from conveyor G-2 to G-3		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-31: 1,200 TPH		
Maximum Hourly Throughput: CY-31: 1,200 TPH	Maximum Annual Throughput: CY-31: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.004	0.005	
Particulate Matter (PM ₁₀)	0.027	0.034	
Total Particulate Matter (TSP)	0.057	0.071	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-31	TP-40	Conveyor G-2 to G-3	2017	1200 tph	FE/FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through

(iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems),

coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-32	Emission unit name: Sources for Emission Point TP-41	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-32: Transfer from conveyor G-2 to G-3		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-32: 1,200 TPH		
Maximum Hourly Throughput: CY-32: 1,200 TPH	Maximum Annual Throughput: CY-32: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.004	0.005	
Particulate Matter (PM ₁₀)	0.027	0.034	
Total Particulate Matter (TSP)	0.057	0.071	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-32	TP-41	Conveyor G-3 to G-4	2017	1200 tph	FE/FE

(R13-2034E condition 1.0)

[NOTE: Permit R13-2034E contains a typographical error: TP-41 should be "Conveyor G-3 to G-4." There is no Conveyor G-5 in the currently envisioned facility.]

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. **[40CFR§60.254(b)(1)]**
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). **[40CFR§60.254(b)(2)]**
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. **[40CFR§60.254(b)(3)]**

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. **[40CFR§60.255(b)]**

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through (iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems), coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-33	Emission unit name: Sources for Emission Point TP-42	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-33: Transfer from conveyor G-3 to storage pile A		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-33: 1,200 TPH		
Maximum Hourly Throughput: CY-33: 1,200 TPH	Maximum Annual Throughput: CY-33: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.020	0.013	
Particulate Matter (PM ₁₀)	0.135	0.084	
Total Particulate Matter (TSP)	0.286	0.179	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 13.2.4, (11/06)</p> <p>NOTE: The potential annual emissions calculated for CY-33 and CY-34 are based on 3,000,000 tons potential annual throughput divided equally between the two transfer points; i.e., 1,500,000 tons per year each. This is not meant to represent a limit per transfer point but rather to accurately reflect the facility-wide potential emissions.</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-33	TP-42	Conveyor G-3 to Coal Pile A	2016	1200 tph	ST

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

Fugitive Coal Dust Emissions Control Plan for Subpart Y - Fugitive Coal Dust Emissions Control Plan. The owner or operator of an open storage pile, which includes the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions as specified in paragraphs (c)(1) through (6) of this section. [40CFR§60.254(c)]

- (1) The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile. [40CFR§60.254(c)(1)]
- (2) For open coal storage piles, the fugitive coal dust emissions control plan must require that one or more of the following control measures be used to minimize to the greatest extent practicable fugitive coal dust: Locating the source inside a partial enclosure, installing and operating a water spray or fogging system, applying appropriate chemical dust suppression agents on the source (when the provisions of paragraph (c)(6) of this section are met), use of a wind barrier, compaction, or use of a vegetative cover. The owner or operator must select, for inclusion in the fugitive coal dust emissions control plan, the control measure or measures listed in this paragraph that are most appropriate for site conditions. The plan must also explain how the measures or measures selected are applicable and appropriate for site conditions. In addition, the plan must be revised as needed to reflect any changing conditions at the source. [40CFR§60.254(c)(2)]
- (3) Any owner or operator of an affected facility that is required to have a fugitive coal dust emissions control plan may petition the Administrator to approve, for inclusion in the plan for the affected facility, alternative control measures other than those specified in paragraph (c)(2) of this section as specified in paragraphs (c)(3)(i) through (iv) of this section. [40CFR§60.254(c)(3)]
 - (i) The petition must include a description of the alternative control measures, a copy of the fugitive coal dust emissions control plan for the affected facility that includes the alternative control measures, and

information sufficient for EPA to evaluate the demonstrations required by paragraph (c)(3)(ii) of this section. **[40CFR§60.254(c)(3)(i)]**

- (ii) The owner or operator must either demonstrate that the fugitive coal dust emissions control plan that includes the alternative control measures will provide equivalent overall environmental protection or demonstrate that it is either economically or technically infeasible for the affected facility to use the control measures specifically identified in paragraph (c)(2). **[40CFR§60.254(c)(3)(ii)]**
- (iii) While the petition is pending, the owner or operator must comply with the fugitive coal dust emissions control plan including the alternative control measures submitted with the petition. Operation in accordance with the plan submitted with the petition shall be deemed to constitute compliance with the requirement to operate in accordance with a fugitive coal dust emissions control plan that contains one of the control measures specifically identified in paragraph (c)(2) of this section while the petition is pending. **[40CFR§60.254(c)(3)(iii)]**
- (iv) If the petition is approved by the Administrator, the alternative control measures will be approved for inclusion in the fugitive coal dust emissions control plan for the affected facility. In lieu of amending this subpart, a letter will be sent to the facility describing the specific control measures approved. The facility shall make any such letters and the applicable fugitive coal dust emissions control plan available to the public. If the Administrator determines it is appropriate, the conditions and requirements of the letter can be reviewed and changed at any point. **[40CFR§60.254(c)(3)(iv)]**
- (4) The owner or operator must submit the fugitive coal dust emissions control plan to the Administrator or delegated authority prior to the startup of the new, reconstructed, or modified affected facility, or 30 days after the effective date of this rule, whichever is later. **[40CFR§60.254(c)(4)]**
- (5) The Administrator or delegated authority may object to the fugitive coal dust emissions control plan as specified in paragraphs (c)(5)(i) of this section. **[40CFR§60.254(c)(5)]**
 - (i) The Administrator or delegated authority may object to any fugitive coal dust emissions control plan that it has determined does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(i)]**
 - (ii) If an objection is raised, the owner or operator, within 30 days from receipt of the objection, must submit a revised fugitive coal dust emissions control plan to the Administrator or delegate authority. The owner or operator must operate in accordance with the revised fugitive coal dust emissions control plan. The Administrator or delegated authority retain the right, under paragraph (c)(5) of this section, to object to the revised control plan if it determines the plan does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(ii)]**
- (6) Where appropriate chemical dust suppressant agents are selected by the owner or operator as a control measure to minimize fugitive coal dust emissions, (1) only chemical dust suppressants with Occupational Safety and Health Administration (OSHA)-compliant material safety data sheets (MSDS) are to be allowed; (2) the MSDS must be included in the fugitive coal dust emissions control plan; and (3) the owner or operator must consider and document in the fugitive coal dust emissions control plan the site-specific impacts associated with the use of such chemical dust suppressants. **[40CFR§60.254(c)(6)]**
(R13-2034E condition 4.1.15)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.
(R13-2034E condition 4.1.16)

 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.)

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

The owner or operator of a coal preparation and processing plant that commenced construction, reconstruction, or modification after April 28, 2008, shall maintain in a logbook (written or electronic) on-site and make it available upon request. The logbook shall record the following:

- (6) Monthly certification that the fugitive coal dust emissions control plan was implemented as described. Any variance from the plan, if any, shall be noted. A copy of the applicable fugitive coal dust emissions control

plan and any letters from the Administrator providing approval of any alternative control measures shall be maintained with the logbook. Any actions, e.g., objections, to the plan and any actions relative to the alternative control measures, e.g., approvals, shall be noted in the logbook as well.

[40CFR§60.258(a)(6)]

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-34	Emission unit name: Sources for Emission Point TP-43	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-34: Transfer from conveyor G-3 to storage pile A		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-34: 1,200 TPH		
Maximum Hourly Throughput: CY-34: 1,200 TPH	Maximum Annual Throughput: CY-34: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.020	0.013	
Particulate Matter (PM ₁₀)	0.135	0.084	
Total Particulate Matter (TSP)	0.286	0.179	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>AP-42, Section 13.2.4, (11/06)</p> <p>NOTE: The potential annual emissions calculated for CY-33 and CY-34 are based on 3,000,000 tons potential annual throughput divided equally between the two transfer points; i.e., 1,500,000 tons per year each. This is not meant to represent a limit per transfer point but rather to accurately reflect the facility-wide potential emissions.</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-34	TP-43	Conveyor G-4 to Coal Pile B	2016	1200 tph	ST

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

Fugitive Coal Dust Emissions Control Plan for Subpart Y - Fugitive Coal Dust Emissions Control Plan. The owner or operator of an open storage pile, which includes the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions as specified in paragraphs (c)(1) through (6) of this section. [40CFR§60.254(c)]

- (1) The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile. [40CFR§60.254(c)(1)]
- (2) For open coal storage piles, the fugitive coal dust emissions control plan must require that one or more of the following control measures be used to minimize to the greatest extent practicable fugitive coal dust: Locating the source inside a partial enclosure, installing and operating a water spray or fogging system, applying appropriate chemical dust suppression agents on the source (when the provisions of paragraph (c)(6) of this section are met), use of a wind barrier, compaction, or use of a vegetative cover. The owner or operator must select, for inclusion in the fugitive coal dust emissions control plan, the control measure or measures listed in this paragraph that are most appropriate for site conditions. The plan must also explain how the measures or measures selected are applicable and appropriate for site conditions. In addition, the plan must be revised as needed to reflect any changing conditions at the source. [40CFR§60.254(c)(2)]
- (3) Any owner or operator of an affected facility that is required to have a fugitive coal dust emissions control plan may petition the Administrator to approve, for inclusion in the plan for the affected facility, alternative control measures other than those specified in paragraph (c)(2) of this section as specified in paragraphs (c)(3)(i) through (iv) of this section. [40CFR§60.254(c)(3)]
 - (i) The petition must include a description of the alternative control measures, a copy of the fugitive coal dust emissions control plan for the affected facility that includes the alternative control measures, and

information sufficient for EPA to evaluate the demonstrations required by paragraph (c)(3)(ii) of this section. **[40CFR§60.254(c)(3)(i)]**

(ii) The owner or operator must either demonstrate that the fugitive coal dust emissions control plan that includes the alternative control measures will provide equivalent overall environmental protection or demonstrate that it is either economically or technically infeasible for the affected facility to use the control measures specifically identified in paragraph (c)(2). **[40CFR§60.254(c)(3)(ii)]**

(iii) While the petition is pending, the owner or operator must comply with the fugitive coal dust emissions control plan including the alternative control measures submitted with the petition. Operation in accordance with the plan submitted with the petition shall be deemed to constitute compliance with the requirement to operate in accordance with a fugitive coal dust emissions control plan that contains one of the control measures specifically identified in paragraph (c)(2) of this section while the petition is pending. **[40CFR§60.254(c)(3)(iii)]**

(iv) If the petition is approved by the Administrator, the alternative control measures will be approved for inclusion in the fugitive coal dust emissions control plan for the affected facility. In lieu of amending this subpart, a letter will be sent to the facility describing the specific control measures approved. The facility shall make any such letters and the applicable fugitive coal dust emissions control plan available to the public. If the Administrator determines it is appropriate, the conditions and requirements of the letter can be reviewed and changed at any point. **[40CFR§60.254(c)(3)(iv)]**

(4) The owner or operator must submit the fugitive coal dust emissions control plan to the Administrator or delegated authority prior to the startup of the new, reconstructed, or modified affected facility, or 30 days after the effective date of this rule, whichever is later. **[40CFR§60.254(c)(4)]**

(5) The Administrator or delegated authority may object to the fugitive coal dust emissions control plan as specified in paragraphs (c)(5)(i) of this section. **[40CFR§60.254(c)(5)]**

(i) The Administrator or delegated authority may object to any fugitive coal dust emissions control plan that it has determined does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(i)]**

(ii) If an objection is raised, the owner or operator, within 30 days from receipt of the objection, must submit a revised fugitive coal dust emissions control plan to the Administrator or delegate authority. The owner or operator must operate in accordance with the revised fugitive coal dust emissions control plan. The Administrator or delegated authority retain the right, under paragraph (c)(5) of this section, to object to the revised control plan if it determines the plan does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(ii)]**

(6) Where appropriate chemical dust suppressant agents are selected by the owner or operator as a control measure to minimize fugitive coal dust emissions, (1) only chemical dust suppressants with Occupational Safety and Health Administration (OSHA)-compliant material safety data sheets (MSDS) are to be allowed; (2) the MSDS must be included in the fugitive coal dust emissions control plan; and (3) the owner or operator must consider and document in the fugitive coal dust emissions control plan the site-specific impacts associated with the use of such chemical dust suppressants. **[40CFR§60.254(c)(6)]**
(R13-2034E condition 4.1.15)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.
(R13-2034E condition 4.1.16)

 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.)

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

The owner or operator of a coal preparation and processing plant that commenced construction, reconstruction, or modification after April 28, 2008, shall maintain in a logbook (written or electronic) on-site and make it available upon request. The logbook shall record the following:

- (6) Monthly certification that the fugitive coal dust emissions control plan was implemented as described. Any variance from the plan, if any, shall be noted. A copy of the applicable fugitive coal dust emissions control

plan and any letters from the Administrator providing approval of any alternative control measures shall be maintained with the logbook. Any actions, e.g., objections, to the plan and any actions relative to the alternative control measures, e.g., approvals, shall be noted in the logbook as well.

[40CFR§60.258(a)(6)]

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-36	Emission unit name: Sources for Emission Points TP-45	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-36: Transfer from conveyor C-5 to covered storage pile		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-36: 1,200 TPH		
Maximum Hourly Throughput: CY-36: 1,200 TPH	Maximum Annual Throughput: CY-36: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.004	0.005	
Particulate Matter (PM ₁₀)	0.027	0.034	
Total Particulate Matter (TSP)	0.057	0.071	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-36	TP-45	Emergency Coal Pile Reclaim to R-4	2017	1200 tph	FE/FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

Fugitive Coal Dust Emissions Control Plan for Subpart Y - Fugitive Coal Dust Emissions Control Plan. The owner or operator of an open storage pile, which includes the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions as specified in paragraphs (c)(1) through (6) of this section. [40CFR§60.254(c)]

- (1) The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile. [40CFR§60.254(c)(1)]
- (2) For open coal storage piles, the fugitive coal dust emissions control plan must require that one or more of the following control measures be used to minimize to the greatest extent practicable fugitive coal dust: Locating the source inside a partial enclosure, installing and operating a water spray or fogging system, applying appropriate chemical dust suppression agents on the source (when the provisions of paragraph (c)(6) of this section are met), use of a wind barrier, compaction, or use of a vegetative cover. The owner or operator must select, for inclusion in the fugitive coal dust emissions control plan, the control measure or measures listed in this paragraph that are most appropriate for site conditions. The plan must also explain how the measures or measures selected are applicable and appropriate for site conditions. In addition, the plan must be revised as needed to reflect any changing conditions at the source. [40CFR§60.254(c)(2)]
- (3) Any owner or operator of an affected facility that is required to have a fugitive coal dust emissions control plan may petition the Administrator to approve, for inclusion in the plan for the affected facility, alternative control measures other than those specified in paragraph (c)(2) of this section as specified in paragraphs (c)(3)(i) through (iv) of this section. [40CFR§60.254(c)(3)]
 - (i) The petition must include a description of the alternative control measures, a copy of the fugitive coal dust

emissions control plan for the affected facility that includes the alternative control measures, and information sufficient for EPA to evaluate the demonstrations required by paragraph (c)(3)(ii) of this section. [40CFR§60.254(c)(3)(i)]

- (ii) The owner or operator must either demonstrate that the fugitive coal dust emissions control plan that includes the alternative control measures will provide equivalent overall environmental protection or demonstrate that it is either economically or technically infeasible for the affected facility to use the control measures specifically identified in paragraph (c)(2). [40CFR§60.254(c)(3)(ii)]
- (iii) While the petition is pending, the owner or operator must comply with the fugitive coal dust emissions control plan including the alternative control measures submitted with the petition. Operation in accordance with the plan submitted with the petition shall be deemed to constitute compliance with the requirement to operate in accordance with a fugitive coal dust emissions control plan that contains one of the control measures specifically identified in paragraph (c)(2) of this section while the petition is pending. [40CFR§60.254(c)(3)(iii)]
- (iv) If the petition is approved by the Administrator, the alternative control measures will be approved for inclusion in the fugitive coal dust emissions control plan for the affected facility. In lieu of amending this subpart, a letter will be sent to the facility describing the specific control measures approved. The facility shall make any such letters and the applicable fugitive coal dust emissions control plan available to the public. If the Administrator determines it is appropriate, the conditions and requirements of the letter can be reviewed and changed at any point. [40CFR§60.254(c)(3)(iv)]
- (4) The owner or operator must submit the fugitive coal dust emissions control plan to the Administrator or delegated authority prior to the startup of the new, reconstructed, or modified affected facility, or 30 days after the effective date of this rule, whichever is later. [40CFR§60.254(c)(4)]
- (5) The Administrator or delegated authority may object to the fugitive coal dust emissions control plan as specified in paragraphs (c)(5)(i) of this section. [40CFR§60.254(c)(5)]
 - (i) The Administrator or delegated authority may object to any fugitive coal dust emissions control plan that it has determined does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. [40CFR§60.254(c)(5)(i)]
 - (ii) If an objection is raised, the owner or operator, within 30 days from receipt of the objection, must submit a revised fugitive coal dust emissions control plan to the Administrator or delegate authority. The owner or operator must operate in accordance with the revised fugitive coal dust emissions control plan. The Administrator or delegated authority retain the right, under paragraph (c)(5) of this section, to object to the revised control plan if it determines the plan does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. [40CFR§60.254(c)(5)(ii)]
- (6) Where appropriate chemical dust suppressant agents are selected by the owner or operator as a control measure to minimize fugitive coal dust emissions, (1) only chemical dust suppressants with Occupational Safety and Health Administration (OSHA)-compliant material safety data sheets (MSDS) are to be allowed; (2) the MSDS must be included in the fugitive coal dust emissions control plan; and (3) the owner or operator must consider and document in the fugitive coal dust emissions control plan the site-specific impacts associated with the use of such chemical dust suppressants. [40CFR§60.254(c)(6)]
(R13-2034E condition 4.1.15)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.
(R13-2034E condition 4.1.16)

 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.)

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and

(b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through (iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems), coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

For the purposes of determining compliance with condition 4.1.7 of this permit, the permittee shall monitor the amount of coal delivered to the covered storage area each month.

(R13-2034E condition 4.3.6)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-37	Emission unit name: Sources for Emission Point SM-1	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-37: Sampling system for trucked coal		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-37: 1,200 TPH		
Maximum Hourly Throughput: CY-37: 1,200 TPH	Maximum Annual Throughput: CY-37: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.005	0.007	
Particulate Matter (PM ₁₀)	0.036	0.045	
Total Particulate Matter (TSP)	0.076	0.095	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-37	SM-1	Truck Sampling System	2017	1200 tph	FE/FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. **[40CFR§60.254(b)(1)]**
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). **[40CFR§60.254(b)(2)]**
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. **[40CFR§60.254(b)(3)]**

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

☒ Permit Shield

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. **[40CFR§60.255(b)]**

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through

(iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems),

coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-38	Emission unit name: Sources for Emission Point SM-2	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-38: Main coal sampling system		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-38: 1,200 TPH		
Maximum Hourly Throughput: CY-38: 1,200 TPH	Maximum Annual Throughput: CY-38: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.005	0.007	
Particulate Matter (PM ₁₀)	0.036	0.045	
Total Particulate Matter (TSP)	0.076	0.095	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-38	SM-2	Main Sampling System	2017	1200 tph	FE/FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through

(iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems),

coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-4	Emission unit name: Sources for Emission Points TP-4	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-4: Transfer from conveyor B-1 to B-2		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-4: 2,000 TPH		
Maximum Hourly Throughput: CY-4: 2,000 TPH	Maximum Annual Throughput: CY-4: 7,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.007	0.012	
Particulate Matter (PM ₁₀)	0.045	0.079	
Total Particulate Matter (TSP)	0.095	0.167	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-4	TP-4	Conveyor B-1 to B-2	2016	2000 tph	FE/FE

(R13-2034E condition 1.0)

The maximum throughput of the coal rail unloading facility shall not exceed 2,000 TPH nor 7,000,000 TPY based on a rolling 12 month total.

(R13-2034E condition 4.1.6)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and

(b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through (iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems), coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

For the purposes of determining compliance with condition 4.1.6 of this permit, the permittee shall monitor the total amount of coal transferred through the rail car unloading system each month.

(R13-2034E condition 4.3.5)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-5	Emission unit name: Sources for Emission Points TP-5	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-5: Transfer from conveyor B-2 to B-3		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-5: 2,000 TPH		
Maximum Hourly Throughput: CY-5: 2,000 TPH	Maximum Annual Throughput: CY-5: 7,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.007	0.012	
Particulate Matter (PM ₁₀)	0.045	0.079	
Total Particulate Matter (TSP)	0.095	0.167	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-5	TP-5	Conveyor B-2 to B-3	2016	2000 tph	FE/FE

(R13-2034E condition 1.0)

The maximum throughput of the coal rail unloading facility shall not exceed 2,000 TPH nor 7,000,000 TPY based on a rolling 12 month total.

(R13-2034E condition 4.1.6)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. **[40CFR§60.254(b)(1)]**
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). **[40CFR§60.254(b)(2)]**
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. **[40CFR§60.254(b)(3)]**

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

☒ Permit Shield

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and

(b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through (iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems), coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

For the purposes of determining compliance with condition 4.1.6 of this permit, the permittee shall monitor the total amount of coal transferred through the rail car unloading system each month.

(R13-2034E condition 4.3.5)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-6	Emission unit name: Sources for Emission Points TP-6	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-6: Transfer from conveyor B-3 to B-4		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-6: 2,000 TPH		
Maximum Hourly Throughput: CY-6: 2,000 TPH	Maximum Annual Throughput: CY-6: 7,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.007	0.012	
Particulate Matter (PM ₁₀)	0.045	0.079	
Total Particulate Matter (TSP)	0.095	0.167	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-6	TP-6	Conveyor B-3 to B-4	2016	2000 tph	FE/FE

(R13-2034E condition 1.0)

The maximum throughput of the coal rail unloading facility shall not exceed 2,000 TPH nor 7,000,000 TPY based on a rolling 12 month total.

(R13-2034E condition 4.1.6)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

☒ Permit Shield

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and

(b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through (iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems), coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

For the purposes of determining compliance with condition 4.1.6 of this permit, the permittee shall monitor the total amount of coal transferred through the rail car unloading system each month.

(R13-2034E condition 4.3.5)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-7	Emission unit name: Sources for Emission Points TP-7	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-7: Transfer from conveyor B-3 to C-5		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-7: 2,000 TPH		
Maximum Hourly Throughput: CY-7: 2,000 TPH	Maximum Annual Throughput: CY-7: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.007	0.005	
Particulate Matter (PM ₁₀)	0.045	0.034	
Total Particulate Matter (TSP)	0.095	0.071	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-7	TP-7	Conveyor B-3 to C-5	2016	2000 tph	FE/FE

(R13-2034E condition 1.0)

The maximum throughput of coal to the covered storage area shall not exceed 3,200 TPH nor 3,000,000 TPY based on a rolling 12 month total.

(R13-2034E condition 4.1.7)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. **[40CFR§60.254(b)(1)]**
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). **[40CFR§60.254(b)(2)]**
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. **[40CFR§60.254(b)(3)]**

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

☒ Permit Shield

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and

(b)(2) of this section. **[40CFR§60.255(b)]**

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through (iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems), coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

For the purposes of determining compliance with condition 4.1.7 of this permit, the permittee shall monitor the amount of coal delivered to the covered storage area each month.

(R13-2034E condition 4.3.6)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-8	Emission unit name: Sources for Emission Points TP-8	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-8: Transfer from conveyor C-5 to covered storage pile		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-8: 1,200 TPH		
Maximum Hourly Throughput: CY-8: 1,200 TPH	Maximum Annual Throughput: CY-8: 3,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___ Yes <u> X </u> No		If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.068	0.085	
Particulate Matter (PM ₁₀)	0.450	0.563	
Total Particulate Matter (TSP)	0.952	1.191	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-8	TP-8	Conveyor C-5 to Covered storage pile	2016	1200 tph	PE

(R13-2034E condition 1.0)

The maximum throughput of coal to the covered storage area shall not exceed 3,200 TPH nor 3,000,000 TPY based on a rolling 12 month total.

(R13-2034E condition 4.1.7)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. **[40CFR§60.254(b)(1)]**
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). **[40CFR§60.254(b)(2)]**
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. **[40CFR§60.254(b)(3)]**

(R13-2034E condition 4.1.14)

Fugitive Coal Dust Emissions Control Plan for Subpart Y - Fugitive Coal Dust Emissions Control Plan. The owner or operator of an open storage pile, which includes the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions as specified in paragraphs (c)(1) through (6) of this section. **[40CFR§60.254(c)]**

- (1) The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile. **[40CFR§60.254(c)(1)]**
- (2) For open coal storage piles, the fugitive coal dust emissions control plan must require that one or more of the following control measures be used to minimize to the greatest extent practicable fugitive coal dust: Locating the source inside a partial enclosure, installing and operating a water spray or fogging system, applying appropriate chemical dust suppression agents on the source (when the provisions of paragraph (c)(6) of this section are met), use of a wind barrier, compaction, or use of a vegetative cover. The owner or operator must select, for inclusion in the fugitive coal dust emissions control plan, the control measure or measures listed in this paragraph that are most appropriate for site conditions. The plan must also explain how the measures or measures selected are applicable and appropriate for site conditions. In addition, the plan must be revised as needed to reflect any changing conditions at the source. **[40CFR§60.254(c)(2)]**
- (3) Any owner or operator of an affected facility that is required to have a fugitive coal dust emissions control

plan may petition the Administrator to approve, for inclusion in the plan for the affected facility, alternative control measures other than those specified in paragraph (c)(2) of this section as specified in paragraphs (c)(3)(i) through (iv) of this section. **[40CFR§60.254(c)(3)]**

- (i) The petition must include a description of the alternative control measures, a copy of the fugitive coal dust emissions control plan for the affected facility that includes the alternative control measures, and information sufficient for EPA to evaluate the demonstrations required by paragraph (c)(3)(ii) of this section. **[40CFR§60.254(c)(3)(i)]**
- (ii) The owner or operator must either demonstrate that the fugitive coal dust emissions control plan that includes the alternative control measures will provide equivalent overall environmental protection or demonstrate that it is either economically or technically infeasible for the affected facility to use the control measures specifically identified in paragraph (c)(2). **[40CFR§60.254(c)(3)(ii)]**
- (iii) While the petition is pending, the owner or operator must comply with the fugitive coal dust emissions control plan including the alternative control measures submitted with the petition. Operation in accordance with the plan submitted with the petition shall be deemed to constitute compliance with the requirement to operate in accordance with a fugitive coal dust emissions control plan that contains one of the control measures specifically identified in paragraph (c)(2) of this section while the petition is pending. **[40CFR§60.254(c)(3)(iii)]**
- (iv) If the petition is approved by the Administrator, the alternative control measures will be approved for inclusion in the fugitive coal dust emissions control plan for the affected facility. In lieu of amending this subpart, a letter will be sent to the facility describing the specific control measures approved. The facility shall make any such letters and the applicable fugitive coal dust emissions control plan available to the public. If the Administrator determines it is appropriate, the conditions and requirements of the letter can be reviewed and changed at any point. **[40CFR§60.254(c)(3)(iv)]**
- (4) The owner or operator must submit the fugitive coal dust emissions control plan to the Administrator or delegated authority prior to the startup of the new, reconstructed, or modified affected facility, or 30 days after the effective date of this rule, whichever is later. **[40CFR§60.254(c)(4)]**
- (5) The Administrator or delegated authority may object to the fugitive coal dust emissions control plan as specified in paragraphs (c)(5)(i) of this section. **[40CFR§60.254(c)(5)]**
 - (i) The Administrator or delegated authority may object to any fugitive coal dust emissions control plan that it has determined does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(i)]**
 - (ii) If an objection is raised, the owner or operator, within 30 days from receipt of the objection, must submit a revised fugitive coal dust emissions control plan to the Administrator or delegate authority. The owner or operator must operate in accordance with the revised fugitive coal dust emissions control plan. The Administrator or delegated authority retain the right, under paragraph (c)(5) of this section, to object to the revised control plan if it determines the plan does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section. **[40CFR§60.254(c)(5)(ii)]**
- (6) Where appropriate chemical dust suppressant agents are selected by the owner or operator as a control measure to minimize fugitive coal dust emissions, (1) only chemical dust suppressants with Occupational Safety and Health Administration (OSHA)-compliant material safety data sheets (MSDS) are to be allowed; (2) the MSDS must be included in the fugitive coal dust emissions control plan; and (3) the owner or operator must consider and document in the fugitive coal dust emissions control plan the site-specific impacts associated with the use of such chemical dust suppressants. **[40CFR§60.254(c)(6)]**

(R13-2034E condition 4.1.15)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

☒ **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.)

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through (iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section. [40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement

Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems), coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

For the purposes of determining compliance with condition 4.1.7 of this permit, the permittee shall monitor the amount of coal delivered to the covered storage area each month.

(R13-2034E condition 4.3.6)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

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

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

ATTACHMENT E - Emission Unit Form		
Emission Unit Description		
Emission unit ID number: CY-9	Emission unit name: Sources for Emission Points TP-9	List any control devices associated with this emission unit: FE/FE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): CY-9: Transfer from conveyor B-4 to B-5		
Manufacturer: TBD	Model number: N/A	Serial number: N/A
Construction date: Commenced June 2015	Installation date: N/A	Modification date(s): N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): CY-9: 2,000 TPH		
Maximum Hourly Throughput: CY-9: 2,000 TPH	Maximum Annual Throughput: CY-9: 7,000,000 TPY	Maximum Operating Schedule: 8,760 hours
Fuel Usage Data (fill out all applicable fields) NOT APPLICABLE		
Does this emission unit combust fuel? ___Yes <u>X</u> No		If yes, is it? ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating: N/A		Type and Btu/hr rating of burners: N/A
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. N/A		

Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
N/A	N/A	N/A	N/A
Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	N/A	N/A	
Nitrogen Oxides (NO _x)	N/A	N/A	
Lead (Pb)	N/A	N/A	
Particulate Matter (PM _{2.5})	0.007	0.012	
Particulate Matter (PM ₁₀)	0.045	0.079	
Total Particulate Matter (TSP)	0.095	0.167	
Sulfur Dioxide (SO ₂)	N/A	N/A	
Volatile Organic Compounds (VOC)	N/A	N/A	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
	N/A	N/A	
List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.). AP-42, Section 13.2.4, (11/06)			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit** with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based 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	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-9	TP-9	Conveyor B-4 to B-5	2016	2000 tph	FE/FE

(R13-2034E condition 1.0)

No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.

[45CSR§2-5.1.]

(R13-2034E condition 4.1.13)

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

[40CFR§60.254(b)]

- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf). [40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section. [40CFR§60.254(b)(3)]

(R13-2034E condition 4.1.14)

The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

(R13-2034E condition 4.1.16)

☒ Permit Shield

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

The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section. [40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through

(iii) of this section, as applicable, except as provided in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

(R13-2034E condition 4.2.1)

Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System. As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

(R13-2034E condition 4.2.2)

[NOTE: The requirements of 40CFR§60.255(f) are optional compliance approaches that are not automatically required.]

(c) If any affected coal processing and conveying equipment (e.g., breakers, crushers, screens, conveying systems),

coal storage systems, or coal transfer and loading systems that commenced construction, reconstruction, or modification after April 28, 2008, are enclosed in a building, and emissions from the building do not exceed any of the standards in 40CFR§60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards.

[40CFR§60.255(c)]

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

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(R13-2034E condition 4.3.1)

In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

(R13-2034E condition 4.3.9)

Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

(R13-2034E condition 4.4.1)

NSPS notification requirements:

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40CFR§60.7(a)(3) and (6)]

[NOTE: The notification of commencement of construction required by 40CFR§60.7(a)(1) has already been submitted and is a one-time requirement that will not recur.]

Are 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 G
AIR POLLUTION CONTROL DEVICE FORMS

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: MTST-ESP-01, MTST-ESP-02	List all emission units associated with this control device. MTST-01-BLR-STG-1 (Unit 1), MTST-02-BLR-STG-1 (Unit 2)	
Manufacturer: Research-Cottrell	Model number: Order No. 3096	Installation date: U1 – 1965; U2-1966
Type of Air Pollution Control Device:		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
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 %	> 99 %
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). MTST-ESP-01 and MTST-ESP-02 is designed with a gas flow rate into the collector at 2,000,000 acfm at 285 degrees F. The gas velocity through the precipitator is 6.27 feet per second. There are 1,200 Opzel plate collecting electrodes with a vertical height of 30 feet and a total area of active collecting service of 637,200 ft ² . There are 14,160 Coppered Bessemer discharge electrodes with an effective length of each electrode of approx. 30 ft. The spacing between the collecting electrodes and the discharge electrodes is 0.375 feet. There are 720 Magnetic Impulse Gravity Impact collecting rappers and 80 Neundorfer rappers. This is a rapping plate cleaning system. There are 5 fields with 20 bus sections. There are 236 gas passages with a cross sectional area of 22.5 ft ² per gas passage. The rectifiers are silicone controlled and there are 20 transformers.		
Is this device subject to the CAM requirements of 40 C.F.R. 64? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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. Visible emission checks are performed monthly during periods of normal facility operation.		

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: MTST-FGD-01, MTST-FGD-02	List all emission units associated with this control device. MTST-01-BLR-STG-1 (Unit 1), MTST-02-BLR-STG-1 (Unit 2)	
Manufacturer: Marsulex	Model number: Custom design	Installation date: Unit 1 – 2002; Unit 2 - 2002
Type of Air Pollution Control Device:		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
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 %	> 99 %
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). MTST-FGD-01 and MTST-FGD-02 are vertical spray towers with four(4) levels of spray. Exiting gases pass through two(2) levels of Chevron style mist eliminators made of FRP. The absorber vessels are constructed of reinforced concrete with ceramic tile liner. To overcome the increased pressure drop from the FGD's and the SCR's that were added later, each unit's induced draft fans(two per unit) were upgraded, with each fan powered by 7500 hp motors. The estimated gas pressure drop at maximum flow rate is 5.6 to 9.0 inches of water. The scrubbing liquor characteristics have a water weight of 84%, CaSO ₄ * H ₂ O weight of 11%, CaCO ₃ weight of 1%, and inserts & dissolved solids weight of 4%. Limestone slurry is added to control pH. Water is added via mist eliminators sprays for level control. The system that recycles liquor through each absorber consists of four pumps rated at a combined 4150 hp, that take suction from the bottom of the absorber reaction tank and pump it to the overhead spray levels. Each recycle pump supplies 37,000 gpm for a total of 148,000 gpm per unit. The expected solid content of the liquor varies between 10% - 20%. The gas flow into the collector is 2,200,000 ACF at 285 F. The collection material disposal system is primarily dewatering by hydroclones. Secondary dewatering by rotary drum vacuum filter to 15% moisture. The majority of waste from the FGD system is transported to the mine for beneficial re-use. A very small portion may be land filled or sold.		

Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes ___ X No

If Yes, Complete ATTACHMENT H

If No, **Provide justification.** Emissions of SO₂ for Units 1 and 2 are required to be continuously monitored using a continuous emissions monitoring system (CEMS). This meets the CAM program definition of “continuous compliance determination method” found in §64.1. CEMS is used to continuously monitor SO₂ emissions, meaning that the exemption from CAM in §64.2(b) (vi) applies. Therefore, the CEMS is used in lieu of CAM, and CAM does not apply to the SO₂ emission limit.

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

Visible emission checks are performed monthly during periods of normal facility operation.

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: Selective Catalytic Reduction (SCR)	List all emission units associated with this control device. MTST-01-BLR-STG-1	
Manufacturer: Alstom Cormatech (catalyst)	Model number: U1 Contract #1422	Installation date: Unit 1: 2003
Type of Air Pollution Control Device: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Other (describe) <u>Selective Catalytic Reduction (SCR)</u></div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
List the pollutants for which this device is intended to control and the capture and control efficiencies.		
Pollutant	Capture Efficiency	Control Efficiency
NOx	99.8%	

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

The selective catalytic reduction system (SCR) is a control technology in which nitrogen oxides (NO_x) formed by the combustion process are removed by the injection of ammonia (NH₃) into the flue gas. The SCR process reaction is most effective within a temperature window ranging from approximately 600 deg F to 775 deg F. Above 800 deg F the effect of catalytic sintering becomes prominent in lowering NO_x reduction performance. Below 580 deg F the susceptibility of ammonium bisulfate (NH₄HSO₄) formation on catalyst surfaces increases.

<u>Site Conditions</u>	<u>Units</u>	-	
Elevation above sea level	feet	3,250	
Outside temperature	'F	-20 to +100	
Barometric pressure	in. Hg.	26.2	
Boiler Data	<u>Units</u>	<u>(45% MCR)</u>	<u>(100% MCR)</u>
Gross Generation rate	Mwe	255	563
Flue gas mass flow rate	lb/hr	2,647,000	5,767,000
Flue gas vol. flow rate	scfm*	573,000	1,246,000
Flue gas vol. flow rate	acfm	1,322,000	3,176,000
Flue gas temperature **	.F	600	700
NO _x inlet	lb/N/MBtu	0.768	0.786
NO _x inlet	ppmvd	528	528
NO _x inlet	lb/h r	1,952	4337
Oxygen concentration	% vol. (dry)	4	4
H ₂ O concentration	o/o vol.	8	8
SO ₂ concentration	ppmvd	1,628	1,628
SO ₃ concentration	ppmvd	17	17
Particulate concentration	lb/h r	28,900	64,100

Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes ___ X No

If Yes, **Complete ATTACHMENT H**

If No, **Provide justification.**

Emissions of NO_x for Unit 1 is required to be continuously monitored using a continuous emissions monitoring system (CEMS). This meets the CAM program definition of "continuous compliance determination method" found in §64.1. CEMS is used to continuously monitor NO_x emissions, meaning that the exemption from CAM in §64.2(b) (vi) applies. Therefore, the CEMS is used in lieu of CAM, and CAM does not apply to the NO_x emission limit.

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

Parameters associated with ammonia flow and NO_x emissions are monitored.

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: Selective Catalytic Reduction (SCR)	List all emission units associated with this control device. MTST-02-BLR-STG-1	
Manufacturer: Alstom Cormatech (catalyst)	Model number: U2 Contract #1428	Installation date: Unit 2: 2003
Type of Air Pollution Control Device: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Other (describe) <u>Selective Catalytic Reduction (SCR)</u></div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
List the pollutants for which this device is intended to control and the capture and control efficiencies.		
Pollutant	Capture Efficiency	Control Efficiency
NOx	99.8%	

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

The selective catalytic reduction system (SCR) is a control technology in which nitrogen oxides (NO_x) formed by the combustion process are removed by the injection of ammonia (NH₃) into the flue gas. The SCR process reaction is most effective within a temperature window ranging from approximately 600 deg F to 775 deg F. Above 800 deg F the effect of catalytic sintering becomes prominent in lowering NO_x reduction performance. Below 580 deg F the susceptibility of ammonium bisulfate (NH₄HSO₄) formation on catalyst surfaces increases.

<u>Site Conditions</u>	<u>Units</u>	-	
Elevation above sea level	feet	3,250	
Outside temperature	'F	-20 to +100	
Barometric pressure	in. Hg.	26.2	
Boiler Data	<u>Units</u>	<u>(45% MCR)</u>	<u>(100% MCR)</u>
Gross Generation rate	Mwe	255	563
Flue gas mass f low rate	lb/hr	2,647 ,000	5,767,000
Flue gas vol. f low rate	scfm*	573,000	1,246,000
Flue gas vol. flow rate	acfm	1,322,000	3,176,000
Flue gas temperature **	.F	600	700
NO _x inlet	lb/N/MBtu	0.768	0.786
NO _x inlet	ppmvd	528	528
NO _x inlet	lb/h r	1 ,952	4337
Oxygen concentration	% vol. (dry)	4	4
H ₂ O concentration	o/o vol.	8	8
SO ₂ concentration	ppmvd	1 ,628	1 ,628
SO ₃ concentration	ppmvd	17	17
Particulate concentration	lb/h r	28,900	64,100

Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes ___ X No

If Yes, **Complete ATTACHMENT H**

If No, **Provide justification.**

Emissions of NO_x for Unit 2 is required to be continuously monitored using a continuous emissions monitoring system (CEMS). This meets the CAM program definition of “continuous compliance determination method” found in §64.1. CEMS is used to continuously monitor NO_x emissions, meaning that the exemption from CAM in §64.2(b) (vi) applies. Therefore, the CEMS is used in lieu of CAM, and CAM does not apply to the NO_x emission limit.

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

Parameters associated with ammonia flow and NO_x emissions are monitored.

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: MTST-ESP-03	List all emission units associated with this control device. MTST-03-BLR-STG-1 (Unit 3)	
Manufacturer: Research-Cottrell	Model number: Order No. 3037	Installation date: 1973
Type of Air Pollution Control Device:		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
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 %	> 99 %
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). MTST-ESP-03 is designed with a gas flow rate into the collector at 2,230,000 acfm at 285 degrees F. The gas velocity through the precipitator is 5.58 feet per second. There are 912 Opzel plate collecting electrodes with a vertical height of 30 feet and a total area of active collecting service of 579,520 ft ² . There are 10,656 Coppered Bessemer discharge electrodes with an effective length of each electrode of approx. 30 ft. The spacing between the collecting electrodes and the discharge electrodes is 0.375 feet. There are 384 Magnetic Impulse Gravity Impact collecting rappers and 80 Neundorfer wire frame rappers. This is a rapping plate cleaning system. There are 6 fields with 40 bus sections. There are 296 gas passages with a cross sectional area of 22.5 ft ² per gas passage. The rectifiers are silicone controlled and there are 40 transformers.		
Is this device subject to the CAM requirements of 40 C.F.R. 64? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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. Visible emission checks are performed monthly during periods of normal facility operation.		

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: MTST-FGD-03	List all emission units associated with this control device. MTST-03-BLR-STG-1 (Unit 3)	
Manufacturer: GEESI	Model number: Custom design	Installation date: 1995
Type of Air Pollution Control Device:		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
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 %	> 99 %
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). MTST-FGD-03 consists of two vertical spray towers(A & B), each with four(4) levels of spray; each vessel is sized for 50% of the total boiler gas flow. Exit gases pass through two levels of Chevron style mist eliminators made of FRP. The scrubber vessels are constructed of carbon steel shells with high nickel alloy lining (C-276). To overcome the increased pressure drop due to the scrubber a booster fan was added ahead of each vessel, each powered by a 3000 hp motor. The estimated gas pressure drop at maximum flow rate is approx. 4 inches of water. The scrubbing liquor characteristics have a water weight of 84%, CaSO ₄ * H ₂ O weight of 11%, CaCO ₃ weight of 1%, and inserts & dissolved solids weight of 4%. Limestone slurry is added to control ph. Water is added via mist eliminator sprays for level control. The system used to recycle liquor through the absorbers, consists 8 recycle pumps (4 per vessel), each supplying approx. 27,000 gpm for a total of about 216,000 gpm; the combined rating for the 8 pumps is 5200 hp.. The expected solid content of the liquor varies between 10% - 20%. The gas flow into the collector is 2,600,000 ACF at 285 F. The collection material disposal system is primarily dewatering by hydroclones. Secondary dewatering by rotary drum vacuum filter to 15% moisture. The majority of waste from the FGD system is transported to the mine for beneficial re-use. A very small portion may be land filled or sold.		
Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If Yes, Complete ATTACHMENT H		
If No, Provide justification. Emissions of SO ₂ for Unit 3 is required to be continuously monitored using a continuous emissions monitoring system (CEMS). This meets the CAM program definition of “continuous compliance determination method” found in §64.1. CEMS is used to continuously monitor SO ₂ emissions, meaning that the exemption from CAM in §64.2(b) (vi) applies. Therefore, the CEMS is used in lieu of CAM, and CAM does not apply to the SO ₂ emission limit.		

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

Visible emission checks are performed monthly during periods of normal facility operation.

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: Selective Catalytic Reduction (SCR)	List all emission units associated with this control device. MTST-03-BLR-STG-1	
Manufacturer: Alstom Cormatech (catalyst)	Model number: U3 Contract #1432	Installation date: Unit 3: 2004
Type of Air Pollution Control Device: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Other (describe) <u>Selective Catalytic Reduction (SCR)</u></div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
List the pollutants for which this device is intended to control and the capture and control efficiencies.		
Pollutant	Capture Efficiency	Control Efficiency
NOx	99.8%	

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

The selective catalytic reduction system (SCR) is a control technology in which nitrogen oxides (NO_x) formed by the combustion process are removed by the injection of ammonia (NH₃) into the flue gas. The SCR process reaction is most effective within a temperature window ranging from approximately 600 deg F to 775 deg F. Above 800 deg F the effect of catalytic sintering becomes prominent in lowering NO_x reduction performance. Below 580 deg F the susceptibility of ammonium bisulfate (NH₄HSO₄) formation on catalyst surfaces increases.

<u>Site Conditions</u>	<u>Units</u>	-	
Elevation above sea level	feet	3,250	
Outside temperature	'F	-20 to +100	
Barometric pressure	in. Hg.	26.2	
Boiler Data	<u>Units</u>	<u>(45% MCR)</u>	<u>(100% MCR)</u>
Gross Generation rate	Mwe	255	563
Flue gas mass f low rate	lb/hr	2,647 ,000	5,767,000
Flue gas vol. f low rate	scfm*	573,000	1,246,000
Flue gas vol. flow rate	acfm	1,322,000	3,176,000
Flue gas temperature **	.F	600	700
NO _x inlet	lb/N/MBtu	0.768	0.786
NO _x inlet	ppmvd	528	528
NO _x inlet	lb/h r	1 ,952	4337
Oxygen concentration	% vol. (dry)	4	4
H ₂ O concentration	o/o vol.	8	8
SO ₂ concentration	ppmvd	1 ,628	1 ,628
SO ₃ concentration	ppmvd	17	17
Particulate concentration	lb/h r	28,900	64,100

Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes ___ X No

If Yes, **Complete ATTACHMENT H**

If No, **Provide justification.**

Emissions of NO_x for Unit 3 is required to be continuously monitored using a continuous emissions monitoring system (CEMS). This meets the CAM program definition of “continuous compliance determination method” found in §64.1. CEMS is used to continuously monitor NO_x emissions, meaning that the exemption from CAM in §64.2(b) (vi) applies. Therefore, the CEMS is used in lieu of CAM, and CAM does not apply to the NO_x emission limit.

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

Parameters associated with ammonia flow and NO_x emissions are monitored.

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: Dust Collector #3 (BH2ca)	List all emission units associated with this control device. MTST-00-BLD-LSUB-1; MTST-00-SAR-HPR-1A; MTST-00-SAR-HPR-1B; MTST-00-SAR-FDR-1A; MTST-00-SAR-FDR-1B	
Manufacturer: MAC Equipment Inc.	Model number: 144MCF572	Installation date: 1994
Type of Air Pollution Control Device: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
List the pollutants for which this device is intended to control and the capture and control efficiencies.		
Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	99.8%	
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). <div style="text-align: center;">Air Volume = 65,593 CFM, Static Pressure = 12 in., Number of bags = 572, Length of bags = 144 in.</div>		
Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Complete ATTACHMENT H If No, Provide justification. Dust Collector #3 (BH2ca) is not subject to CAM since the potential pre-controlled device emissions of the applicable regulated air pollutant is not equal to or greater than the Title V major Source Threshold Levels as indicated in 40 CFR Part 64.2 (a)(3).		

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

Visible emission checks are performed monthly during periods of normal facility operation.

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: Dust Collector #4 (BH3cb)	List all emission units associated with this control device. MTST-00-CNV-A; MTST-00-SAR-SM-1; MTST-00-SAR-FDR-1; MTST-00-SAR-CRH-2; MTST-00-SAR-FDR-2; MTST-00-SAR-SM-2; MTST-00-SAR-CNV-D	
Manufacturer: MAC Equipment Inc.	Model number: 120CMCF88	Installation date: 1994
Type of Air Pollution Control Device: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
List the pollutants for which this device is intended to control and the capture and control efficiencies.		
Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	99.8%	
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). Air Flow = 7,200 CFM, Static Pressure = 12 in., Number of bags = 88, Length of bags = 120 in.		
Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Complete ATTACHMENT H If No, Provide justification. Dust Collector #4 (BH3cb) is not subject to CAM since the potential pre-controlled device emissions of the applicable regulated air pollutant is not equal to or greater than the Title V major Source Threshold Levels as indicated in 40 CFR Part 64.2 (a)(3).		
Describe the parameters monitored and/or methods used to indicate performance of this control device. Visible emission checks are performed monthly during periods of normal facility operation.		

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: Dust Collector #5 (BH7cc)	List all emission units associated with this control device. MTST-00-SAR-CRH-1; MTST-00-SAR-CNV-1	
Manufacturer: BENETECH	Model number: RA 10-192	Installation date: 2004
Type of Air Pollution Control Device:		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
List the pollutants for which this device is intended to control and the capture and control efficiencies.		
Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	99.8%	
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).		
192 FILTERS, 10 FOOT LONG, 16 OUNCE SINGED POLYESTER FILTER BAGS		
Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If Yes, Complete ATTACHMENT H		
If No, Provide justification.		
Dust Collector #5 (BH7cc) is not subject to CAM since the potential pre-controlled device emissions of the applicable regulated air pollutant is not equal to or greater than the Title V major Source Threshold Levels as indicated in 40 CFR Part 64.2 (a)(3).		

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

Visible emission checks are performed monthly during periods of normal facility operation.

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: Dust Collector #6 (BH6cc)	List all emission units associated with this control device. MTST-00-SAR-FDR-2A; MTST-00-SAR-FDR-2B; MTST-00-SAR-FDR-2C; MTST-00-SAR-CNV-B	
Manufacturer: MAC Equipment Inc.	Model number: 120CMCF88	Installation date: 1994
Type of Air Pollution Control Device: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
List the pollutants for which this device is intended to control and the capture and control efficiencies.		
Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	99.8%	
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). <div style="text-align: center; padding: 10px;"> Air Flow = 7,200 CFM, Static Pressure = 12 in., Number of bags = 88, Length of bags = 120 in. </div>		
Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Complete ATTACHMENT H If No, Provide justification. Dust Collector #6 (BH6cc) is not subject to CAM since the potential pre-controlled device emissions of the applicable regulated air pollutant is not equal to or greater than the Title V major Source Threshold Levels as indicated in 40 CFR Part 64.2 (a)(3).		

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

Visible emission checks are performed monthly during periods of normal facility operation.

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: Dust Collector #7 (BH8ce)	List all emission units associated with this control device. MTST-00-SAR-CNV-1; MTST-03-SAR-TK-1A; MTST-03-SAR-TK-1B; MTST-00-SAR-TK-1A; MTST-00-SAR-TK-1B	
Manufacturer: Benetech	Model number: RA 12-192	Installation date: 2002
Type of Air Pollution Control Device: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
List the pollutants for which this device is intended to control and the capture and control efficiencies.		
Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	99.8%	
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). 192 FILTERS, 12 FOOT LONG, 16 OUNCE SINGED POLYESTER FILTER BAGS		
Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Complete ATTACHMENT H If No, Provide justification. Dust Collector #7 (BH8ce) is not subject to CAM since the potential pre-controlled device emissions of the applicable regulated air pollutant is not equal to or greater than the Title V major Source Threshold Levels as indicated in 40 CFR Part 64.2 (a)(3).		

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

Visible emission checks are performed monthly during periods of normal facility operation.

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: Baghouse for lime silo for water treatment settling pond	List all emission units associated with this control device. MTST-00-BLD-LTB-1	
Manufacturer: Industrial Accessories Company	Model number: 40/60 Series	Installation date: 2004
Type of Air Pollution Control Device:		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
List the pollutants for which this device is intended to control and the capture and control efficiencies.		
Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	99.8%	
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).		
Cleaning cycles of momentary blast of 90 to 100 psig compressed air. Cycle time maintains 3" to 4" water column pressure across filter bags (16 bags)		
Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If Yes, Complete ATTACHMENT H		
If No, Provide justification.		
The Baghouse for lime silo for water treatment settling pond is not subject to CAM since the potential pre-controlled device emissions of the applicable regulated air pollutant is not equal to or greater than the Title V major Source Threshold Levels as indicated in 40 CFR Part 64.2 (a)(3).		

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

Visible emission checks are performed monthly during periods of normal facility operation.

ATTACHMENT G - Air Pollution Control Device Form																				
Control device ID number: Pyrite dust collector cyclone	List all emission units associated with this control device. MTST-00-ADB-TK-3																			
Manufacturer: SWEMCO Inc.	Model number:	Installation date: 1982																		
Type of Air Pollution Control Device:																				
<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</td> <td style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</td> <td style="width: 33%;"><input type="checkbox"/> Multiclone</td> </tr> <tr> <td><input type="checkbox"/> Carbon Bed Adsorber</td> <td><input type="checkbox"/> Packed Tower Scrubber</td> <td><input type="checkbox"/> Single Cyclone</td> </tr> <tr> <td><input type="checkbox"/> Carbon Drum(s)</td> <td><input type="checkbox"/> Other Wet Scrubber</td> <td><input checked="" type="checkbox"/> Cyclone Bank</td> </tr> <tr> <td><input type="checkbox"/> Catalytic Incinerator</td> <td><input type="checkbox"/> Condenser</td> <td><input type="checkbox"/> Settling Chamber</td> </tr> <tr> <td><input type="checkbox"/> Thermal Incinerator</td> <td><input type="checkbox"/> Flare</td> <td><input type="checkbox"/> Other (describe) _____</td> </tr> <tr> <td><input type="checkbox"/> Wet Plate Electrostatic Precipitator</td> <td colspan="2"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</td> </tr> </table>			<input type="checkbox"/> Baghouse/Fabric Filter	<input type="checkbox"/> Venturi Scrubber	<input type="checkbox"/> Multiclone	<input type="checkbox"/> Carbon Bed Adsorber	<input type="checkbox"/> Packed Tower Scrubber	<input type="checkbox"/> Single Cyclone	<input type="checkbox"/> Carbon Drum(s)	<input type="checkbox"/> Other Wet Scrubber	<input checked="" type="checkbox"/> Cyclone Bank	<input type="checkbox"/> Catalytic Incinerator	<input type="checkbox"/> Condenser	<input type="checkbox"/> Settling Chamber	<input type="checkbox"/> Thermal Incinerator	<input type="checkbox"/> Flare	<input type="checkbox"/> Other (describe) _____	<input type="checkbox"/> Wet Plate Electrostatic Precipitator	<input type="checkbox"/> Dry Plate Electrostatic Precipitator	
<input type="checkbox"/> Baghouse/Fabric Filter	<input type="checkbox"/> Venturi Scrubber	<input type="checkbox"/> Multiclone																		
<input type="checkbox"/> Carbon Bed Adsorber	<input type="checkbox"/> Packed Tower Scrubber	<input type="checkbox"/> Single Cyclone																		
<input type="checkbox"/> Carbon Drum(s)	<input type="checkbox"/> Other Wet Scrubber	<input checked="" type="checkbox"/> Cyclone Bank																		
<input type="checkbox"/> Catalytic Incinerator	<input type="checkbox"/> Condenser	<input type="checkbox"/> Settling Chamber																		
<input type="checkbox"/> Thermal Incinerator	<input type="checkbox"/> Flare	<input type="checkbox"/> Other (describe) _____																		
<input type="checkbox"/> Wet Plate Electrostatic Precipitator	<input type="checkbox"/> Dry Plate Electrostatic Precipitator																			
List the pollutants for which this device is intended to control and the capture and control efficiencies.																				
Pollutant	Capture Efficiency	Control Efficiency																		
Particulate Matter	99.8%																			
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).																				
<p>The control device consists of 4 parallel trains of particulate separation collection; by design one for 3400 cfm, one for 6800 cfm, and two for 10,200 cfm. A train or combination of trains in service depends on the number of pyrite blowers in service.</p> <p>Each train consists of a dry cyclone (with collected dust returned to the pyrite tank, MTST-00-ADB-TK-3), or wet venturi scrubber, and a wet cyclone; the particulate laden effluent is pumped to the settling basin.</p>																				
Visible emission checks are performed monthly during periods of normal facility operation.																				

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.**

Pyrite dust collector cyclone are not subject to CAM since the potential pre-controlled device emissions of the applicable regulated air pollutant is not equal to or greater than the Title V major Source Threshold Levels as indicated in 40 CFR Part 64.2 (a)(3).

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

Visible emission checks are performed monthly during periods of normal facility operation.

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: MTST-RC-SILO-FAB02	List all emission units associated with this control device. MTST-00-RC-SILO-SB2 (S-Sorb active silo)	
Manufacturer: SILOTOP	Model number: Series R01	Installation date: 7/2011
Type of Air Pollution Control Device:		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
List the pollutants for which this device is intended to control and the capture and control efficiencies.		
Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	99.8%	99.9%
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).		
<p>The baghouse operation is continuous. The baghouse configuration is open-pressure and uses the pulse-jet method to clean the bags, which is initiated by a timer. The filter medium is polyester and the bags are 3.24 inches in diameter and 3 feet long. The total cloth area is 264 ft² and there are 7 filter elements. The operating air-to-cloth ratio is 1.23 ft/min.</p>		
Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If Yes, Complete ATTACHMENT H If No, Provide justification. Not subject to CAM since the potential pre-controlled device emissions of the applicable regulated air pollutant is not equal to or greater than the Title V major Source Threshold Levels as indicated in 40 CFR Part 64.2 (a)(3).		
Describe the parameters monitored and/or methods used to indicate performance of this control device.		
<p>The manufacturer recommends that the unit be operated between 4-8 inches of water column.</p>		

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: MTST-RC-SILO-FAB01	List all emission units associated with this control device. MTST-00-RC-SILO-SB1 (S-Sorb receiving silo)	
Manufacturer: SILOTOP	Model number: Series R01	Installation date: 7/2011
Type of Air Pollution Control Device: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe) _____</div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
List the pollutants for which this device is intended to control and the capture and control efficiencies.		
Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	99.8%	99.9%
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). <p>The baghouse operation is continuous. The baghouse configuration is open-pressure and uses the pulse-jet method to clean the bags, which is initiated by a timer. The filter medium is polyester and the bags are 3.24 inches in diameter and 3 feet long. The total cloth area is 264 ft² and there are 7 filter elements. The operating air-to-cloth ratio is 1.23 ft/min.</p>		
Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Complete ATTACHMENT H If No, Provide justification. <p>Not subject to CAM since the potential pre-controlled device emissions of the applicable regulated air pollutant is not equal to or greater than the Title V major Source Threshold Levels as indicated in 40 CFR Part 64.2 (a)(3).</p>		
Describe the parameters monitored and/or methods used to indicate performance of this control device. <p>The manufacturer recommends that the unit be operated between 4-8 inches of water column.</p>		

ATTACHMENT G - Air Pollution Control Device Form		
Control device ID number: DC-1 and DC-2	List all emission units associated with this control device. CY-1, CY-2, CY-2a, and CY-2b	
Manufacturer: TBD	Model number: TBD	Installation date: 2016
Type of Air Pollution Control Device: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Baghouse/Fabric Filter</div> <div style="width: 33%;"><input type="checkbox"/> Venturi Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Multiclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Bed Adsorber</div> <div style="width: 33%;"><input type="checkbox"/> Packed Tower Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Single Cyclone</div> <div style="width: 33%;"><input type="checkbox"/> Carbon Drum(s)</div> <div style="width: 33%;"><input type="checkbox"/> Other Wet Scrubber</div> <div style="width: 33%;"><input type="checkbox"/> Cyclone Bank</div> <div style="width: 33%;"><input type="checkbox"/> Catalytic Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Condenser</div> <div style="width: 33%;"><input type="checkbox"/> Settling Chamber</div> <div style="width: 33%;"><input type="checkbox"/> Thermal Incinerator</div> <div style="width: 33%;"><input type="checkbox"/> Flare</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Other (describe) <u>Wet dust extraction system</u></div> <div style="width: 33%;"><input type="checkbox"/> Wet Plate Electrostatic Precipitator</div> <div style="width: 33%;"><input type="checkbox"/> Dry Plate Electrostatic Precipitator</div> </div>		
List the pollutants for which this device is intended to control and the capture and control efficiencies.		
Pollutant	Capture Efficiency	Control Efficiency
Particulates (all)	>99%	>99%
Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). <p>These two new wet dust extraction systems use up to about 30 gallons per minute fresh water to improve collection of dust particles on a filter. The particles are captured in the water and discharged to a pond.</p>		
Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Complete ATTACHMENT H If No, Provide justification. These dust collectors are subject to NSPS Subpart Y promulgated after November 15, 1990, which is exempt from CAM by 40 CFR 64.2(b)(1)(i).		
Describe the parameters monitored and/or methods used to indicate performance of this control device. <p>Visible emission checks and periodic PM tests (Method 5 or other approved methods) are performed as required by 40 CFR 60 Subpart Y.</p>		

ATTACHMENT I
CURRENT APPLICABLE PERMITS

CR



west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: 304 926 0475 • FAX: 304 926 0479

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
dep.wv.gov

December 20, 2012

Certified Mail

91 7199 9991 7031 5500 4397

Mr. Charles D. Holly
Dominion Resources Services, Inc.
5000 Dominion Boulevard
Glen Allen, VA 23060

**Re: Mount Storm Power Station's Phase II Acid
Rain Permit Renewal**

Dear Mr. Holly:

Please find enclosed the Phase II Acid Rain Renewal Permit for the Mount Storm Power Station. The permit was signed on December 19, 2012 and is effective January 1, 2013 to December 31, 2017.

If you have any questions, please contact me at (304) 926-0499 ext. 1215.

Sincerely,

Frederick Tipane
Permit Engineer

Enclosures



west virginia department of environmental protection
Division of Air Quality

Phase II Acid Rain Permit

Plant Name: Mount Storm Power Station	Permit #: R33-3954-2017-4
Affected Unit(s): 1, 2, 3	
Operator: Virginia Electric and Power Company	ORIS Code: 3954
Effective Date	From: January 1, 2013 To: December 31, 2017

Contents:

1. Statement of Basis.
2. SO₂ allowances allocated under this permit and NO_x requirements for each affected unit.
3. Comments, notes and justifications regarding permit decisions and changes made to permit application forms during the review process, and any additional requirements or conditions.
4. The permit application forms submitted for this source, as corrected by the West Virginia Division of Air Quality. The owners and operators of the source must comply with the standard requirements and special provisions set forth in the application.

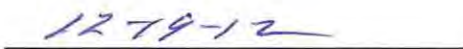
1. Statement of Basis

Statutory and Regulatory Authorities: In accordance with W. Va. Code §22-5-4(a)(16) and Titles IV and V of the Clean Air Act, the West Virginia Department of Environmental Protection, Division of Air Quality issues this permit pursuant to 45CSR33 and 45CSR30.

Permit Approval



John A. Benedict, Director
Division of Air Quality



Date

West Virginia Department of Environmental Protection • Division of Air Quality

Plant Name: Mount Storm Power Station	Permit #: R33-3954-2017-4
--	----------------------------------

2. SO₂ Allocations and NO_x Requirements for each affected unit

Unit No. 1

SO ₂ Allowances	Year				
	2013	2014	2015	2016	2017
Table 2 allowances, as adjusted by 40CFR Part 73	18887	18887	18887	18887	18887
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A
The number of allowances actually held by an affected source in a unit account may differ from the number allocated by U.S. EPA. The aforementioned condition does not necessitate a revision to the unit SO ₂ allowance allocations identified in this permit (See 40 CFR §72.84).					

NO _x Requirements	2013	2014	2015	2016	2017
NO _x Limit (lb/mmBtu)	0.45	0.45	0.45	0.45	0.45
Pursuant to 40 CFR Part 76 and 45CSR33, the West Virginia Department of Environmental Protection, Division of Air Quality approves a NO _x emissions compliance plan for this unit effective for calendar years 2013, 2014, 2015, 2016 and 2017. Under this plan the unit's actual annual average NO _x emission rate shall not exceed the applicable limitation of 0.45 lb/mmBtu as set forth in 40 CFR §76.5(a)(1) for Group I, Phase I tangentially fired boilers.					
In addition to the described NO _x compliance plan, this unit shall comply with all other applicable requirements of 40 CFR Part 76, including the duty to reapply for a NO _x compliance plan and requirements covering excess emissions.					

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

None.

4. Permit application forms:

Attached.

West Virginia Department of Environmental Protection • Division of Air Quality

Plant Name: Mount Storm Power Station	Permit #: R33-3954-2017-4
--	----------------------------------

2. SO₂ Allocations and NO_x Requirements for each affected unit

Unit No.	2
----------	----------

SO ₂ Allowances	Year				
	2013	2014	2015	2016	2017
Table 2 allowances, as adjusted by 40CFR Part 73	17718	17718	17718	17718	17718
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A
The number of allowances actually held by an affected source in a unit account may differ from the number allocated by U.S. EPA. The aforementioned condition does not necessitate a revision to the unit SO ₂ allowance allocations identified in this permit (See 40 CFR §72.84).					

NO _x Requirements	2013	2014	2015	2016	2017
NO _x Limit (lb/mmBtu)	0.45	0.45	0.45	0.45	0.45
Pursuant to 40 CFR Part 76 and 45CSR33, the West Virginia Department of Environmental Protection, Division of Air Quality approves a NO _x emissions compliance plan for this unit effective for calendar years 2013, 2014, 2015, 2016 and 2017. Under this plan the unit's actual annual average NO _x emission rate shall not exceed the applicable limitation of 0.45 lb/mmBtu as set forth in 40 CFR §76.5(a)(1) for Group I, Phase I tangentially fired boilers					
In addition to the described NO _x compliance plan, this unit shall comply with all other applicable requirements of 40 CFR Part 76, including the duty to reapply for a NO _x compliance plan and requirements covering excess emissions.					

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

None.

4. Permit application forms:

Attached.

West Virginia Department of Environmental Protection • Division of Air Quality

Plant Name: Mount Storm Power Station	Permit #: R33-3954-2017-4
--	----------------------------------

2. SO₂ Allocations and NO_x Requirements for each affected unit

Unit No. 3

SO ₂ Allowances	Year				
	2013	2014	2015	2016	2017
Table 2 allowances, as adjusted by 40CFR Part 73	18327	18327	18327	18327	18327
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A

The number of allowances actually held by an affected source in a unit account may differ from the number allocated by U.S. EPA. The aforementioned condition does not necessitate a revision to the unit SO₂ allowance allocations identified in this permit (See 40 CFR §72.84).

NO _x Requirements	2013	2014	2015	2016	2017
NO _x Limit (lb/mmBtu)	0.45	0.45	0.45	0.45	0.45

Pursuant to 40 CFR Part 76 and 45CSR33, the West Virginia Department of Environmental Protection, Division of Air Quality approves a NO_x emissions compliance plan for this unit effective for calendar years 2013, 2014, 2015, 2016 and 2017. Under this plan the unit's actual annual average NO_x emission rate shall not exceed the applicable limitation of 0.45 lb/mmBtu as set forth in 40 CFR §76.5(a)(1) for Group I, Phase I tangentially fired boilers

In addition to the described NO_x compliance plan, this unit shall comply with all other applicable requirements of 40 CFR Part 76, including the duty to reapply for a NO_x compliance plan and requirements covering excess emissions.

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

None.

4. Permit application forms:

Attached



United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258
Approval expires 11/30/2012

Acid Rain Permit Application

For more information, see instructions and 40 CFR 72.30 and 72.31.

This submission is: ☐ new ☐ revised ☒ for Acid Rain permit renewal

STEP 1

Identify the facility name, State, and plant (ORIS) code.

Mount Storm Power Station	WV	3954
Facility (Source) Name	State	Plant Code

STEP 2

Enter the unit ID#
for every affected
unit at the affected
source in column "a."

[illegible]

Mount Storm Power Station

Acid Rain - Page 2

Facility (Source) Name (from STEP 1)

STEP 3

Permit Requirements

Read the standard requirements.

- (1) The designated representative of each affected source and each affected unit at the source shall:
 - (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
 - (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each affected source and each affected unit at the source shall:
 - (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
 - (ii) Have an Acid Rain Permit.

Monitoring Requirements

- (1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

- (1) The owners and operators of each source and each affected unit at the source shall:
 - (i) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
 - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
 - (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
 - (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).

Mount Storm Power Station

Facility (Source) Name (from STEP 1)

Acid Rain - Page 3

STEP 3, Cont'd. Sulfur Dioxide Requirements, Cont'd.

(4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.

(5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.

(6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements

The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements

(1) The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.

(2) The owners and operators of an affected source that has excess emissions in any calendar year shall:

- (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
- (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

(1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:

- (i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;

Mount Storm Power Station

Facility (Source) Name (from STEP 1)

Acid Rain - Page 4

STEP 3, Cont'd. Recordkeeping and Reporting Requirements, Cont'd.

- (ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
 - (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- (2) The designated representative of an affected source and each affected unit at the source shall 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.

Liability

- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
- (3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
- (5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
- (6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit.
- (7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

- (1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating

Mount Storm Power Station

Acid Rain - Page 5

Facility (Source) Name (from STEP 1)

STEP 3, Cont'd.

Effect on Other Authorities, Cont'd.

to applicable National Ambient Air Quality Standards or State Implementation Plans;

(2) Limiting the number of allowances a source can hold; *provided*, that the number of allowances held by the source shall not affect the source's obligation to comply with any other provisions of the Act;

(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements

under such State law;

(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

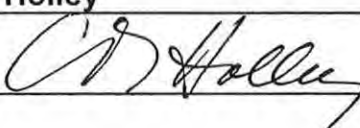
(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4

Read the
certification
statement,
sign, and date.

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. 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 or imprisonment.

Name C. D. Holley	
Signature 	Date 06/06/2012



**United States
Environmental Protection Agency
Acid Rain Program**

OMB No. 2060-0258
Approval expires 11/30/2012

Phase II NO_x Compliance Plan

For more information, see instructions and refer to 40 CFR 76.9
This submission is: ☐ New ☒ Revised

Page 1 of 2

STEP 1

Indicate plant name, State,
and ORIS code from NADB,
if applicable

Plant Name Mount Storm Power Station	State WV	ORIS Code 3954
---	-----------------	-----------------------

STEP 2

Identify each affected Group 1 and Group 2 boiler using the boiler ID# from NADB, if applicable. Indicate boiler type: "CB" for cell burner, "CY" for cyclone, "DBW" for dry bottom wall-fired, "T" for tangentially fired, "V" for vertically fired, and "WB" for wet bottom. Indicate the compliance option selected for each unit.

ID# 1	ID# 2	ID# 3	ID#	ID#	ID#
Type T	Type T	Type T	Type	Type	Type

(a) Standard annual average emission limitation of 0.50 lb/mmBtu (for Phase I dry bottom wall-fired boilers)

--	--	--	--	--	--	--

(b) Standard annual average emission limitation of 0.45 lb/mmBtu (for Phase I tangentially fired boilers)

X	X	X			
---	---	---	--	--	--

(c) EPA-approved early election plan under 40 CFR 76.8 through 12/31/07 (also indicate above emission limit specified in plan)

--	--	--	--	--	--	--

(d) Standard annual average emission limitation of 0.46 lb/mmBtu (for Phase II dry bottom wall-fired boilers)

--	--	--	--	--	--	--

(e) Standard annual average emission limitation of 0.40 lb/mmBtu (for Phase II tangentially fired boilers)

--	--	--	--	--	--	--

(f) Standard annual average emission limitation of 0.68 lb/mmBtu (for cell burner boilers)

--	--	--	--	--	--	--

(g) Standard annual average emission limitation of 0.86 lb/mmBtu (for cyclone boilers)

--	--	--	--	--	--

(h) Standard annual average emission limitation of 0.80 lb/mmBtu (for vertically fired boilers)

--	--	--	--	--	--

(i) Standard annual average emission limitation of 0.84 lb/mmBtu (for wet bottom boilers)

(j) NO_x Averaging Plan (include NO_x Averaging form)

--	--	--	--	--	--	--

(k) Common stack pursuant to 40 CFR 75.17(a)(2)(i)(A) (check the standard emission limitation box above for most stringent limitation applicable to any unit utilizing stack)

☐ ☐ ☐ ☐ ☐ ☐

(I) Common stack pursuant to 40 CFR 75.17(a)(2)(i)(B) with NO_x Averaging (check the NO_x Averaging Plan box and include NO_x Averaging form)

☐ ☐ ☐ ☐ ☐ ☐

Plant Name (from Step 1) **Mount Storm Power Station**

STEP 2, cont'd.

ID# 1	ID# 2	ID# 3	ID#	ID#	ID#
Type T	Type T	Type T	Type	Type	Type
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(m) EPA-approved common stack apportionment method pursuant to 40 CFR 75.17(a)(2)(i)(C), (a)(2)(iii)(B), or (b)(2)

(n) AEL (include Phase II AEL Demonstration Period, Final AEL Petition, or AEL Renewal form as appropriate)

(o) Petition for AEL demonstration period or final AEL under review by U.S. EPA or demonstration period ongoing

(p) Repowering extension plan approved or under review

STEP 3

Read the standard requirements and certification, enter the name of the designated representative, sign &

Standard Requirements

General. This source is subject to the standard requirements in 40 CFR 72.9 (consistent with 40 CFR 76.8(e)(1)(i)). These requirements are listed in this source's Acid Rain Permit.

Special Provisions for Early Election Units

Nitrogen Oxides. A unit that is governed by an approved early election plan shall be subject to an emissions limitation for NO_x as provided under 40 CFR 76.8(a)(2) except as provided under 40 CFR 76.8(e)(3)(iii).

Liability. The owners and operators of a unit governed by an approved early election plan shall be liable for any violation of the plan or 40 CFR 76.8 at that unit. The owners and operators shall be liable, beginning January 1, 2000, for fulfilling the obligations specified in 40 CFR Part 77.

Termination. An approved early election plan shall be in effect only until the earlier of January 1, 2008 or January 1 of the calendar year for which a termination of the plan takes effect. If the designated representative of the unit under an approved early election plan fails to demonstrate compliance with the applicable emissions limitation under 40 CFR 76.5 for any year during the period beginning January 1 of the first year the early election takes effect and ending December 31, 2007, the permitting authority will terminate the plan. The termination will take effect beginning January 1 of the year after the year for which there is a failure to demonstrate compliance, and the designated representative may not submit a new early election plan. The designated representative of the unit under an approved early election plan may terminate the plan any year prior to 2008 but may not submit a new early election plan. In order to terminate the plan, the designated representative must submit a notice under 40 CFR 72.40(d) by January 1 of the year for which the termination is to take effect. If an early election plan is terminated any year prior to 2000, the unit shall meet, beginning January 1, 2000, the applicable emissions limitation for NO_x for Phase II units with Group 1 boilers under 40 CFR 76.7. If an early election plan is terminated on or after 2000, the unit shall meet, beginning on the effective date of the termination, the applicable emissions limitation for NO_x for Phase II units with Group 1 boilers under 40 CFR 76.7.

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. 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 or imprisonment.

Name C. D. Holley	
Signature 	Date 06/06/2012



west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: (304) 926-0475 • FAX: (304) 926-0479

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

June 12, 2015

CERTIFIED MAIL

91 7199 9991 7033 2820 4616

Carl Ford, Dir. Power Gen. Station III
5000 Dominion Blvd.
Glen Allen, VA 23060

Re: VEPCO
Mt. Storm Plant
Permit No. R13-2034E
Plant ID No. 023-00003

Dear Mr. Ford:

Your application for a permit as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed permit R13-2034E is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

In accordance with 45CSR30- Operating Permit Program, the permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

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

Should you have any questions or comments, please contact me at (304) 926-0499, extension 1218.

Sincerely,

Steven R. Pursley, PE
Engineer

Enclosures

c: EPRO

West Virginia Department of Environmental Protection

Earl Ray Tomblin
Governor

Division of Air Quality

Randy C. Huffman
Cabinet Secretary

Permit to Modify



R13-2034E

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45 C.S.R. 13 — Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation. The permittee identified at the facility listed below is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Issued to:

Virginia Electric & Power Company
Mt. Storm Power Station
023-00003

A handwritten signature in blue ink, appearing to read "William F. Durham", is written over a horizontal line.

William F. Durham
Director

Issued: June 12, 2015

This permit will supercede and replace Permit R13-2034D.

Facility Location: Bismark, Grant County, West Virginia

Mailing Address: 5000 Dominion Blvd.
Glen Allen, VA 23060

Facility Description: Coal fired Power Plant

NAICS Codes: 221112

UTM Coordinates: 649.85 km Easting • 4,340.00 km Northing • Zone 17

Permit Type: Modification

Description of Change:

Construction of a new coal delivery and handling system.

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

The source is subject to 45CSR30. Changes authorized by this permit must also be incorporated into the facility's Title V operating permit. Commencement of the operations authorized by this permit shall be determined by the appropriate timing limitations associated with Title V permit revisions per 45CSR30.

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1.0 Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
CY-1	TP-1	Railcar to rail dump hopper	2015	2000 tph	DC
CY-2	TP-2	rail dump hopper to conveyor	2015	2000 tph	DC
CY-3	TP-3	Conveyor A-1 to B-1	2015	2000 tph	FE/FE
CY-4	TP-4	Conveyor B-1 to B-2	2016	2000 tph	FE/FE
CY-5	TP-5	Conveyor B-2 to B-3	2016	2000 tph	FE/FE
CY-6	TP-6	Conveyor B-3 to B-4	2016	2000 tph	FE/FE
CY-7	TP-7	Conveyor B-3 to C-5	2016	2000 tph	FE/FE
CY-8	TP-8	Conveyor C-5 to Covered storage pile	2016	1200 tph	PE
CY-9	TP-9	Conveyor B-4 to B-5	2016	2000 tph	FE/FE
CY-10	TP-10	Conveyor B-4 to Coal Pile A	2015	2000 tph	ST
CY-11	TP-11	Conveyor B-5 to B-6	2016	2000 tph	FE/FE
CY-12	TP-12	Conveyor B-5 to Coal Pile B	2015	2000 tph	ST
CY-13	TP-13	Conveyor B-6 to B-7	2016	2000 tph	FE/FE
CY-14	TP-14	Conveyor B-6 to Coal Pile C	2017	2000 tph	ST
CY-15	TP-15	Conveyor B-7 to Coal Pile D	2017	2000 tph	ST
CY-16	TP-16	Coal Pile C to Conveyor R-3	2017	1200 tph	PE/FE
CY-17	TP-17	Coal Pile D to Conveyor R-3	2017	1200 tph	PE/FE
CY-18	TP-18	Conveyor R-3 to R-4	2017	1200 tph	FE/FE
CY-19	TP-19	Conveyor R-4 to Q-1	2017	1200 tph	FE
CY-20	TP-20	Conveyor R-4 to Q-2	2017	1200 tph	FE
CY-21	TP-21	Coal Pile A to Conveyor R-1	2016	1200 tph	PE/FE
CY-22	TP-22	Coal Pile B to Conveyor R-1	2016	1200 tph	PE/FE
CY-23	TP-23	Conveyor R-1 to R-2	2017	1200 tph	FE/FE
CY-24	TP-24	Conveyor R-2 to Q-1	2017	1200 tph	FE
CY-25	TP-25	Conveyor R-2 to Q-2	2017	1200 tph	FE
CY-26	TP-26	Dozer to Reclaim Feeder P-1	2017	1200 tph	PE
CY-27	TP-27	Reclaim Feeder P-1 to Q-1	2017	1200 tph	FE
CY-28	TP-30	Conveyor Q-2 to C-2	2017	1200 tph	FE/FE

1.0 Emission Units

CY-29	TP-31	Conveyor Q-2 to H-2	2017	1200 tph	FE/FE
CY-30	TP-39	Conveyor G-2 to C-5	2017	1200 tph	FE/PE
CY-31	TP-40	Conveyor G-2 to G-3	2017	1200 tph	FE/FE
CY-32	TP-41	Conveyor G-3 to G-5	2017	1200 tph	FE/FE
CY-33	TP-42	Conveyor G-3 to Coal Pile A	2016	1200 tph	ST
CY-34	TP-43	Conveyor G-4 to Coal Pile B	2016	1200 tph	ST
CY-36	TP-45	Emergency Coal Pile Reclaim to R-4	2017	1200 tph	FE/FE
CY-37	SM-1	Truck Sampling System	2017	1200 tph	FE/FE
CY-38	SM-2	Main Sampling System	2017	1200 tph	FE/FE
CY-45	TP-36	Truck to Truck Dump Hopper	2006	1200 tph	FE
CY-46	TP-37	Truck Dump Hopper to G-1	2006	1200 tph	FE
CY-47	TP-38	Conveyor G-1 to G-2	2006	1200 tph	FE
CY-2a	TP-2a	Traveling Hammermill for Frozen Coal	2015	2000 tph	DC
CY-2b	TP-2b	Grizzly before A-1	2015	2000 tph	DC
Silo SB1	SB1	S-Sorb Receiving Silo	2010	45,000 tpy	BH
Silo SB2	SB2	S-Sorb Active Silo	2010	45,000 tpy	BH
CNV-SB3	SB3	S-Sorb Transfer Conveyor	2010	45,000 tpy	FE
SHT-SB4	SB4	S-Sorb Transfer Chute	2010	45,000 tpy	FE

2.0. General Conditions

2.1. Definitions

- 2.1.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.
- 2.1.2. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.
- 2.1.3. "Secretary" means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45 CSR § 30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.

2.2. Acronyms

CAAA	Clean Air Act Amendments	NO_x	Nitrogen Oxides
CBI	Confidential Business Information	NSPS	New Source Performance Standards
CEM	Continuous Emission Monitor	PM	Particulate Matter
CES	Certified Emission Statement	PM_{2.5}	Particulate Matter less than 2.5µm in diameter
C.F.R. or CFR	Code of Federal Regulations	PM₁₀	Particulate Matter less than 10µm in diameter
CO	Carbon Monoxide	Ppb	Pounds per Batch
C.S.R. or CSR	Codes of State Rules	pph	Pounds per Hour
DAQ	Division of Air Quality	ppm	Parts per Million
DEP	Department of Environmental Protection	Ppmv or ppmv	Parts per million by volume
dscm	Dry Standard Cubic Meter	PSD	Prevention of Significant Deterioration
FOIA	Freedom of Information Act	psi	Pounds per Square Inch
HAP	Hazardous Air Pollutant	SIC	Standard Industrial Classification
HON	Hazardous Organic NESHAP	SIP	State Implementation Plan
HP	Horsepower	SO₂	Sulfur Dioxide
lbs/hr	Pounds per Hour	TAP	Toxic Air Pollutant
LDAR	Leak Detection and Repair	TPY	Tons per Year
M	Thousand	TRS	Total Reduced Sulfur
MACT	Maximum Achievable Control Technology	TSP	Total Suspended Particulate
MDHI	Maximum Design Heat Input	USEPA	United States Environmental Protection Agency
MM	Million	UTM	Universal Transverse Mercator
MMBtu/hr or mmbtu/hr	Million British Thermal Units per Hour	VEE	Visual Emissions Evaluation
MMCF/hr or mmcf/hr	Million Cubic Feet per Hour	VOC	Volatile Organic Compounds
NA	Not Applicable	VOL	Volatile Organic Liquids
NAAQS	National Ambient Air Quality Standards		
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		

2.3. Authority

This permit is issued in accordance with West Virginia Air Pollution Control Law W.Va. Code §§22-5-1 et seq. and the following Legislative Rules promulgated thereunder:

- 2.3.1. 45CSR13 – *Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation;*

2.4. Term and Renewal

- 2.4.1. This permit supercedes and replaces previously issued Permit R13-2034D. This permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any applicable legislative rule.

2.5. Duty to Comply

- 2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Application R13-2034, R13-2034A, R13-2034B, R13-2034C, R13-2034D, R13-2034E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to;
[45CSR§§13-5.11 and 13-10.3]
- 2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;
- 2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;
- 2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses and/or approvals from other agencies; i.e., local, state and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

2.6. Duty to Provide Information

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

2.7. Duty to Supplement and Correct Information

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

2.8. Administrative Update

The permittee may request an administrative update to this permit as defined in and according to the procedures specified in 45CSR13.

[45CSR§13-4]

2.9. Permit Modification

The permittee may request a minor modification to this permit as defined in and according to the procedures specified in 45CSR13.

[45CSR§13-5.4.]

2.10. Major Permit Modification

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.

[45CSR§13-5.1]

2.11. Inspection and Entry

The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:

- a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;
- d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

2.12. Emergency

- 2.12.1. An "emergency" means any situation arising from sudden and reasonable unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission

limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

- 2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are met.
- 2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and,
 - d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emission, and corrective actions taken.
- 2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- 2.12.5. The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

2.13. Need to Halt or Reduce Activity Not a Defense

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

2.14. Suspension of Activities

In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations authorized by this permit, the permittee shall notify the Secretary, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.

2.15. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege.

2.16. Severability

The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.

2.17. Transferability

This permit is transferable in accordance with the requirements outlined in Section 10.1 of 45CSR13.
[45CSR§13-10.1]

2.18. Notification Requirements

The permittee shall notify the Secretary, in writing, no later than thirty (30) calendar days after the actual startup of the operations authorized under this permit.

2.19. Credible Evidence

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defense otherwise available to the permittee including, but not limited to, any challenge to the credible evidence rule in the context of any future proceeding.

3.0. Facility-Wide Requirements

3.1. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
[45CSR§6-3.1.]
- 3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40CFR§61.145(b) and 45CSR§34]
- 3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1 State-Enforceable only.]
- 3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]
- 3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45 C.S.R. 11.
[45CSR§11-5.2.]

3.2. Monitoring Requirements

[Reserved]

3.3. Testing Requirements

- 3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly

authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

- a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.
- b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.
- c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.
- d. The permittee shall submit a report of the results of the stack test within sixty (60) days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1.; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the compliance status evaluation. The summary of conditions shall include the following:
 1. The permit or rule evaluated, with the citation number and language;
 2. The result of the test for each permit or rule condition; and,
 3. A statement of compliance or noncompliance with each permit or rule condition.

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

3.4. Recordkeeping Requirements

- 3.4.1. **Retention of records.** The permittee shall maintain records of all information (including monitoring data, support information, reports and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.
- 3.4.2. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.
[45CSR§4. *State-Enforceable only.*]

3.5. Reporting Requirements

- 3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.
- 3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W. Va. Code § 22-5-10 and 45CSR31.
- 3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:

Director
WVDEP
Division of Air Quality
601 57th Street, SE
Charleston, WV 25304-2345

If to the USEPA:

Associate Director
Office of Air Enforcement and Compliance Assistance
(3AP20)
U. S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

3.5.4. Operating Fee.

3.5.4.1. In accordance with 45CSR30 – Operating Permit Program, the permittee shall submit a Certified Emissions Statement (CES) and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

3.5.5. **Emission inventory.** At such time(s) as the Secretary may designate, the permittee herein shall prepare and submit an emission inventory for the previous year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Division of Air Quality. After the initial submittal, the Secretary may, based upon the type and quantity of the pollutants emitted, establish a frequency other than on an annual basis.

4.0. Source-Specific Requirements

4.1. Limitations and Standards

- 4.1.1. The maximum throughput of the coal truck unloading facility originally constructed in 1996 shall not exceed 1,200 TPH nor 3,000,000 TPY based on a rolling 12 month total.
- 4.1.2. In accordance with the information filed in Permit Application R13-2034, the 0.600 mile haulroad connecting State Route 93 to the coal truck unloading facility, as defined in requirement 4.1.1 of this permit, shall be paved. Fugitive emissions from the haulroad to the coal truck unloading facility shall be controlled by utilization of a pressurized water truck as defined by condition 4.1.5 of this permit.
- 4.1.3. In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.568 miles of the Ash Haulroad, resulting in a total of 1.168 miles of paved Ash Haulroad and 0.497 miles of unpaved Ash Haulroad. Fugitive emissions from the Ash Haulroad shall be controlled by utilization of a pressurized water truck as defined by condition 4.1.5 of this permit.
- 4.1.4. In accordance with the information filed in Permit Application R13-2034, the facility shall pave an additional 0.0644 miles of the FGD By-Product Disposal Route resulting in a total FGD By-Product Disposal Route of 0.9000 miles of paved and no unpaved road. Fugitive emissions from the FGD By-Product Disposal Route shall be controlled by utilization of a pressurized water truck as defined by condition 4.1.5 of this permit.
- 4.1.5. The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from haulroads and other work areas where mobile equipment is used.

The spraybar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure, so as to assure that the treatment process will minimize the atmospheric entrainment of fugitive particulate emissions generated from the haulroads and work areas where mobile equipment is used.
- 4.1.6. The maximum throughput of the coal rail unloading facility shall not exceed 2,000 TPH nor 7,000,000 TPY based on a rolling 12 month total.
- 4.1.7. The maximum throughput of coal to the covered storage area shall not exceed 3,200 TPH nor 3,000,000 TPY based on a rolling 12 month total.
- 4.1.8. S-Sorb throughput into Silo SB1 shall not exceed 50 tons per hour nor 45,000 tons per year.
- 4.1.9. Particulate Matter emissions from the two S-Sorb silos (SB1 and AB2) shall be controlled with fabric filters. Said fabric filters shall be designed, installed, operated and maintained so as to achieve a minimum overall control efficiency of at least 99.8%.

- 4.1.10. The S-Sorb transfer conveyor (CNV-SB3) shall be fully enclosed.
- 4.1.11. The transfer point between the S-Sorb transfer conveyor (CNV-SB3) and the existing coal conveyor shall be enclosed by a chute.
- 4.1.12. The maximum amount of coal delivered from the stacking tubes (as measured from conveyors R-1 and R-3 combined) shall not exceed 2,400 tons per hour nor 6,000,000 tons per year.
- 4.1.13. No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter.
[45CSR§2-5.1.]
- 4.1.14. On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.
[40CFR§60.254(b)]
- (1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.
[40CFR§60.254(b)(1)]
- (2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf).
[40CFR§60.254(b)(2)]
- (3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section.
[40CFR§60.254(b)(3)]
- 4.1.15. **Fugitive Coal Dust Emissions Control Plan for Subpart Y - Fugitive Coal Dust Emissions Control Plan.** The owner or operator of an open storage pile, which includes the equipment used in the loading, unloading, and conveying operations of the affected facility, constructed, reconstructed, or modified after May 27, 2009, must prepare and operate in accordance with a submitted fugitive coal dust emissions control plan that is appropriate for the site conditions as specified in paragraphs (c)(1) through (6) of this section.
[40CFR§60.254(c)]
- (1) The fugitive coal dust emissions control plan must identify and describe the control measures the owner or operator will use to minimize fugitive coal dust emissions from each open storage pile.
[40CFR§60.254(c)(1)]
- (2) For open coal storage piles, the fugitive coal dust emissions control plan must require that one or more of the following control measures be used to minimize to the greatest extent practicable fugitive coal dust: Locating the source inside a partial enclosure, installing and operating a water

spray or fogging system, applying appropriate chemical dust suppression agents on the source (when the provisions of paragraph (c)(6) of this section are met), use of a wind barrier, compaction, or use of a vegetative cover. The owner or operator must select, for inclusion in the fugitive coal dust emissions control plan, the control measure or measures listed in this paragraph that are most appropriate for site conditions. The plan must also explain how the measures or measures selected are applicable and appropriate for site conditions. In addition, the plan must be revised as needed to reflect any changing conditions at the source.

[40CFR§60.254(c)(2)]

- (3) Any owner or operator of an affected facility that is required to have a fugitive coal dust emissions control plan may petition the Administrator to approve, for inclusion in the plan for the affected facility, alternative control measures other than those specified in paragraph (c)(2) of this section as specified in paragraphs (c)(3)(i) through (iv) of this section.

[40CFR§60.254(c)(3)]

- (i) The petition must include a description of the alternative control measures, a copy of the fugitive coal dust emissions control plan for the affected facility that includes the alternative control measures, and information sufficient for EPA to evaluate the demonstrations required by paragraph (c)(3)(ii) of this section.

[40CFR§60.254(c)(3)(i)]

- (ii) The owner or operator must either demonstrate that the fugitive coal dust emissions control plan that includes the alternative control measures will provide equivalent overall environmental protection or demonstrate that it is either economically or technically infeasible for the affected facility to use the control measures specifically identified in paragraph (c)(2).

[40CFR§60.254(c)(3)(ii)]

- (iii) While the petition is pending, the owner or operator must comply with the fugitive coal dust emissions control plan including the alternative control measures submitted with the petition. Operation in accordance with the plan submitted with the petition shall be deemed to constitute compliance with the requirement to operate in accordance with a fugitive coal dust emissions control plan that contains one of the control measures specifically identified in paragraph (c)(2) of this section while the petition is pending.

[40CFR§60.254(c)(3)(iii)]

- (iv) If the petition is approved by the Administrator, the alternative control measures will be approved for inclusion in the fugitive coal dust emissions control plan for the affected facility. In lieu of amending this subpart, a letter will be sent to the facility describing the specific control measures approved. The facility shall make any such letters and the applicable fugitive coal dust emissions control plan available to the public. If the Administrator determines it is appropriate, the conditions and requirements of the letter can be reviewed and changed at any point.

[40CFR§60.254(c)(3)(iv)]

- (4) The owner or operator must submit the fugitive coal dust emissions control plan to the Administrator or delegated authority prior to the startup of the new, reconstructed, or modified

affected facility, or 30 days after the effective date of this rule, whichever is later.

[40CFR§60.254(c)(4)]

- (5) The Administrator or delegated authority may object to the fugitive coal dust emissions control plan as specified in paragraphs (c)(5)(i) of this section.

[40CFR§60.254(c)(5)]

- (i) The Administrator or delegated authority may object to any fugitive coal dust emissions control plan that it has determined does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section.

[40CFR§60.254(c)(5)(i)]

- (ii) If an objection is raised, the owner or operator, within 30 days from receipt of the objection, must submit a revised fugitive coal dust emissions control plan to the Administrator or delegate authority. The owner or operator must operate in accordance with the revised fugitive coal dust emissions control plan. The Administrator or delegated authority retain the right, under paragraph (c)(5) of this section, to object to the revised control plan if it determines the plan does not meet the requirements of paragraphs (c)(1) and (c)(2) of this section.

[40CFR§60.254(c)(5)(ii)]

- (6) Where appropriate chemical dust suppressant agents are selected by the owner or operator as a control measure to minimize fugitive coal dust emissions, (1) only chemical dust suppressants with Occupational Safety and Health Administration (OSHA)-compliant material safety data sheets (MSDS) are to be allowed; (2) the MSDS must be included in the fugitive coal dust emissions control plan; and (3) the owner or operator must consider and document in the fugitive coal dust emissions control plan the site-specific impacts associated with the use of such chemical dust suppressants.

[40CFR§60.254(c)(6)]

- 4.1.16 The process rates contained in Table 1.0 of this permit shall not be exceeded. Additionally, the permittee shall install, maintain and operate all control devices listed in Table 1.0 of this permit.

- 4.1.17. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR§13-5.11.]

4.2. Testing Requirements

- 4.2.1. The permittee shall comply with all applicable standards of 40 CFR 60 Subpart Y including but not limited to the following:

Performance Tests and Other Compliance Requirements for Subpart Y - Performance Tests. An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emission standards in Subpart Y as specified in paragraphs (b)(1) and (b)(2) of this section.

[40CFR§60.255(b)]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through (iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

[40CFR§60.255(b)(2)]

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(i)]

(ii) If all 6-minute average opacity readings in the most recent performance are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

[40CFR§60.255(b)(2)(ii)]

- 4.2.2 **Performance Tests and Other Compliance Requirements for Subpart Y - Monitoring Visible Emissions or Digital Opacity Compliance System.** As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

[40CFR§60.255(f)]

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

[40CFR§60.255(f)(1)]

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this

part, performance test must be conducted within 45 operating days.

[40CFR§60.255(f)(1)(i)]

(ii) Conduct monthly visual observations of all processes and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

[40CFR§60.255(f)(1)(ii)]

(iii) Conduct a performance test using Method 9 of Appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[40CFR§60.255(f)(1)(iii)]

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administration or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, *see* OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator or delegated authority shall be implemented by the owner or operator.

[40CFR§60.255(f)(2)]

4.3. Monitoring and Recordkeeping Requirements

- 4.3.1. **Record of Monitoring.** The permittee shall keep records of monitoring information that include the following:
- a. The date, place as defined in this permit and time of sampling or measurements;
 - b. The date(s) analyses were performed;
 - c. The company or entity that performed the analyses;
 - d. The analytical techniques or methods used;
 - e. The results of the analyses; and
 - f. The operating conditions existing at the time of sampling or measurement.
- 4.3.2. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
- 4.3.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
- a. The equipment involved.
 - b. Steps taken to minimize emissions during the event.
 - c. The duration of the event.
 - d. The estimated increase in emissions during the event.

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

- e. The cause of the malfunction.
 - f. Steps taken to correct the malfunction.
 - g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
- 4.3.4. For the purposes of determining compliance with condition 4.1.1 of this permit, the permittee shall monitor the total amount of coal transferred through both truck dumps at the Coal Truck Unloading Facility.

- 4.3.5 For the purposes of determining compliance with condition 4.1.6 of this permit, the permittee shall monitor the total amount of coal transferred through the rail car unloading system each month.
- 4.3.6 For the purposes of determining compliance with condition 4.1.7 of this permit, the permittee shall monitor the amount of coal delivered to the covered storage area each month.
- 4.3.7 For the purposes of determining compliance with condition 4.1.8 of this permit, the permittee shall monitor the total amount of sorbent transferred to silo SB1 on a monthly basis.
- 4.3.8 For the purposes of determining compliance with condition 4.1.12 of this permit, the permittee shall monitor the amount of coal from the stacking tubes (as measured by conveyors R-1 and R-3) each month.
- 4.3.9 In order to determine compliance with the requirements of sections 4.2.1 and 4.2.2 of this permit, records of the Method 22 and/or Method 9 testing shall be retained on site by the permittee for at least five (5) years. Upon request, the records shall be certified and made available to the Director or his/her duly authorized representative.

4.4. Reporting Requirements

- 4.4.1. Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

CERTIFICATION OF DATA ACCURACY

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

Signature¹

(please use blue ink)

Responsible Official or Authorized Representative

Date

Name and Title

(please print or type)

Name

Title

Telephone No. _____

Fax No. _____

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

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