TITLE V (45CSR30)
RENEWAL APPLICATION
FOR
EAST GULF COAL PREPARATION PLANT
PLANT ID. 03-54-08100012

PREPARED FOR:
POCAHONTAS COAL COMPANY, LLC
BECKLY, WEST VIRGINIA

PREPARED BY:
ENVIRONMENTAL REGULATORY SERVICE GROUP, INC.
2303 ROXALANA ROAD
DUNBAR, WEST VIRGINIA 25064

PROJECT NO. ERSG 06-125-12

DECEMBER 2006

Table of Content

Notes:

Attachment F – Not included. This is a renewal application.

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

TITLE V PERMIT APPLICATION - GENERAL FORMS

Section 1: General Information

1. **Name of Applicant (As registered with the WV Secretary of State's Office):** Pocahontas Coal Company, LLC	**2. Facility Name or Location:** East Gulf Preparation Plant
3. DAQ Plant ID No.: 03-54-08100012	**4. Federal Employer ID No. (FEIN):** 26-0128639

5. **Permit Application Type:**

☐ Initial Permit — When did operations commence? 1972
☒ Permit Renewal — What is the expiration date of the existing permit? 10/11/2007
☒ Update to Initial Permit Application

6. Type of Business Entity:

☐ Corporation ☐ Governmental Agency
☐ Partnership ☒ Limited Partnership

7. Is the Applicant the:

☐ Owner ☐ Operator ☒ Both

If the Applicant is not both the owner and operator, please provide the name and address of the other party.

8. Number of onsite employees:

23

9. Governmental Code:

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

10. Business Confidentiality Claims

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

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

11. Mailing Address		
Street or P.O. Box: 109 Appalachian Drive		
City: Beckly	**State:** WV	**Zip: 25801**
Telephone Number: (304) 255-9030	**Fax Number:** (304) 255-4156	

12. Facility Location		
Street: 6001 Coal City Road	**City:** Rhodell	**County:** Raleigh Co
UTM Easting: 474.80 km	**UTM Northing:** 4,164.16 km	**Zone:** ☒ 17 or ☐ 18
Directions: Take WV State Route 16 South of Beckley, WV. Turn left on Coal City Road (Raleigh County Road 33). Plant is located on the South side of Raleigh County Road 33, approximately 1 mile East, of East Gulf, WV.		
Portable Source? ☐ Yes ☒ No		
Is facility located within a nonattainment area? ☐ Yes ☒ No		**If yes, for what air pollutants?**
Is facility located within 50 miles of another state? ☒ Yes ☐No		**If yes, name the affected state(s).** Virginia
Is facility located within 100 km of a Class I Area[1]? ☐ Yes ☒ No **If no, do emissions impact a Class I Area[1]?** ☐ Yes ☒ No		**If yes, name the area(s).**

[1] *Class I areas include Dolly Sods and Otter Creek Wilderness Areas in West Virginia, and Shenandoah National Park and James River Face Wilderness Area in Virginia.*

13. Contact Information		
Responsible Official: Ronald L. Patterson		**Title:** Manager of Engineering
Street or P.O. Box: 109 Appalachian Drive		
City: Beckley	**State:** WV	**Zip: 25801**
Telephone Number: (304) 255-9030	**Fax Number:** (304) 255-9032	
E-mail address:		
Environmental Contact: Frank Rose		**Title:**
Street or P.O. Box: 109 Appalachian Drive		
City: Beckly	**State:** WV	**Zip: 25801**
Telephone Number: (304) 255-9030	**Fax Number:** (304) 255-4156	
E-mail address: FRose@unitedco.net		
Application Preparer: Jim Cooper		**Title:** Senior Environmental Engineer
Company: Environmental Regulatory Service Group, Inc. (ERSG)		
Street or P.O. Box: 2303 Roxalana Rd		
City: Dunbar	**State:** WV	**Zip: 25064-2020**
Telephone Number: (304) 746-4780	**Fax Number:** (304) 746-4783	
E-mail address: jim@ersginc.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
Coal Preparation Plant	Clean Coal	212111	1221

Provide a general description of operations.

Raw coal is transferred to the preparation plant from local area mines. The raw coal material is then processed through a rotary breaker. The broken coal is then stored in a 5,5000 ton silo. The refuse from the breaker is sent to the disposal area, via a conveyor belt system. The coal stream is then processed through a wet wash circuit resulting in a clean coal material that is then divided into fine, and coarse material circuits. The wet coarse material (~7% moisture) is sent directly to the clean coal stockpile area, while the fine material circuit (~11% moisture) is first sent to a thermal dryer to reduce the final surface moisture of the material. The dried fine material (6.5% moisture) is then re-blended with the wet (centrifuge dried ~7% moisture) coarse material in the preparation plant, prir to being sent to either the clean coal stockpile area, or directly to the train loadout for final shipment to the customer, with a final average product moisture of approximately 6.75% moisture.

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

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

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

Section 2: Applicable Requirements

18. Applicable Requirements Summary	
Instructions: Mark all applicable requirements.	
☒ SIP	☐ FIP
☒ Minor source NSR (45CSR13)	☒ PSD (45CSR14)
☒ NESHAP (45CSR15)	☐ Nonattainment NSR (45CSR19)
☒ Section 111 NSPS	☐ Section 112(d) MACT standards
☐ Section 112(g) Case-by-case MACT	☐ 112(r) RMP
☐ Section 112(i) Early reduction of HAP	☐ Consumer/commercial prod. reqts., section 183(e)
☐ Section 129 Standards/Reqts.	☐ Stratospheric ozone (Title VI)
☐ Tank vessel reqt., section 183(f)	☐ Emissions cap 45CSR§30-2.6.1
☐ NAAQS, increments or visibility (temp. sources)	☐ 45CSR27 State enforceable only rule
☒ 45CSR4 State enforceable only rule	☐ Acid Rain (Title IV, 45CSR33)
☐ Emissions Trading and Banking (45CSR28)	☐ **C**ompliance **A**ssurance **M**onitoring (40CFR64)
☐ NO_x Budget Trading Program Non-EGUs (45CSR1)	☐ NO_x Budget Trading Program EGUs (45CSR26)

19. Non Applicability Determinations

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

Section 112- no MACT standard has been promulgated for thermal dryers

Section 129 Standards and Requirements – facility does not combust solid waste

Section 183 (tank vessel requirement) – no tanks/vessels utilized at this facility

NAAQS increments or visibility (temp. sources) – no temporary sources

Emission Trading and Banking (45CSR28) – not involved in this program

Nox Budget Trading Program Non-EGU's (45CSR1) – does not meet the definition of Nox Budget Unit

FIP – none in place

Nonattainment NSR (45CSR19) – Not located in a non-attainment area or will not contribute to a violation of section 107 of the CAA

Section 183 (e) – facility is not a regulated entity as defined by Section 183 (e)(C).

Statospheric Ozone (Title VI) – does not emit any of the listed pollutants

Emissions Cap 45CSR30-2.6.1 – none in place

45CSR27 – does not meet definition of chemical processing unit

Acid Rain (Title IV) – not an EGU

NOx Budget Trading Program non-EGU's (45CSR1) – not involved in this program

NOx Budget Trading Program EGU's (45CSR26) – not an EGU

☒ Permit Shield

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

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

☒ Permit Shield

20. Facility-Wide Applicable Requirements

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

Open Burning Prohibited – III.B.1.a.i, III.B.1.a.ii.
Asbestos inspection/removal – III.B.1.a.iii.
Notify and submit compliance schedule – III.B.1.a.iv.
Conduct testing as required – III.B.1.a.v.
Objectionable odor prohibited – III.B.1.b.i.
Permanent Shutdown – III.B.1.b.ii.
Submit Standby plan if requested for any regulated air pollutant – III.B.2.a.i.
Particulate matter <20% opacity – III.B.2.a.v., III.B.2.a.ix.
Operate and maintain fugitive dust control system – III.B.2.a.vi.
Minimize Dust generation – III.B.2.a.vii., III.B.2.a.x.
Submit Annual Emission Inventory – III.B.2.a.viii.
Throughput limits – III.V.2.a.xxviii
Fugitive dust control – III.B.2.a.xxix.
Submit annual emission inventory – III.B.2.a.xxiii.

☒ 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.)

Open Burning Prohibited – III.B.1.a.i, III.B.1.a.ii – Inspection
Asbestos inspection/removal – III.B.1.a.iii – Inspection and reporting
Notify and submit compliance schedule – III.B.1.a.iv. – reporting
Conduct testing as required – III.B.1.a.v. – reporting
Objectionable odor prohibited – III.B.1.b.i. – Inspection and reporting
Permanent Shutdown – III.B.1.b.ii. – Reporting
Submit Standby plan if requested for any regulated air pollutant – III.B.2.a.i. – Recordkeeping
Particulate matter <20% opacity – III.B.2.a.v., III.B.2.a.ix. – Visual inspection and recordkeeping
Operate and maintain fugitive dust control system – III.B.2.a.vi. – Recordkeeping
Minimize Dust generation – III.B.2.a.vii., III.B.2.a.x. – Visual Inspection and Recordkeeping
Submit Annual Emission Inventory – III.B.2.a.viii. – Reporting
Throughput limits – III.B.2.a.xxviii – Recordkeeping
Fugitive dust control – III.B.2.a.xxix. – Inspection
Submit annual emission inventory – III.B.2.a.xxiii. - Reporting

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

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

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

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

☐ Permit Shield

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

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

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

21. Active Permits/Consent Orders		
Permit or Consent Order Number	Date of Issuance MM/DD/YYYY	List any Permit Determinations that Affect the Permit *(if any)*
R30-08100012-1996	10/11/2002	
R13-2484A	10/17/2005	
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22. Inactive Permits/Obsolete Permit Conditions		
Permit Number	Date of Issuance	Permit Condition Number
	MM/DD/YYYY	
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Section 3: Facility-Wide Emissions

23. Facility-Wide Emissions Summary [Tons per Year]	
Criteria Pollutants	Potential Emissions
Carbon Monoxide (CO)	78.84
Nitrogen Oxides (NO_X)	201.83
Lead (Pb)	1.71E-01
Particulate Matter (PM_{10})[1]	1,744.78
Total Particulate Matter (TSP)	4,632.12
Sulfur Dioxide (SO_2)	588.68
Volatile Organic Compounds (VOC)	137.36
Hazardous Air Pollutants[2]	Potential Emissions
Acetaldehyde	7.49E-03
Acetohenone	2.00E-04
Acrolein	3.81E-03
Benzene	1.71E-02
Benzyl Chloride	9.20E-03
Bromoform	5.12E-04
Carbon Disulfide	1.71E-03
2-Chloroacetophenone	9.20E-05
Chlorobenzene	2.89E-04
Chloroform	7.75E-04
Cumene	7.0E-04

2,4-Dinitrotoluene	3.68E-06
Dimethyl Sulfate	6.31E-04
Ethyl Benzene	1.24E-03
Formaldehyde	3.15E-03
Hexane	8.80E-04
Methyl Ethyl Ketone	5.12E-03
Methyl Hydrazine	2.23E-03
Methyl Methacrylate	2.63E-04
Mehylene Chloride	3.81E-03
Phenol	2.10E-04
Propionaldehyde	4.99E-03
Tetrachloroethylene	5.65E-04
Toluene	3.15E-03
1,1,1-Trichloroethane	2.63E-04
Styrene	3.29E-04
Xylenes	4.86E-04
Vinyle Acetate	9.99E-05
Hydrochloric Acid	24.97
Hydroflouric Acid	3.02
Antimony (Sb2O5)	0.03416
Aresenic (AS2O5)	4.3362
Barium (BaO)	2.1024
Beryllim (BeO)	0.08278
Cadminum (CdO)	0.00237
Chromium (CrO3)	0.35478
Cobalt (CoO)	0.18396
Manganese (MnO2)	0.27594
Mercury (HgO)	0.00368
Nickel (NiO)	0.38106

Selenium (SeO2)	0.0841
Silver (AgO)	0.00131
Zinc (ZnO)	0.30222

Regulated Pollutants other than Criteria and HAP	Potential Emissions

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

Section 4: Insignificant Activities

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

24. Insignificant Activities (Check all that apply)		
☐	19.	Emission units which do not have any applicable requirements and which emit criteria pollutants (CO, NO_x, SO_2, VOC and PM) into the atmosphere at a rate of less than 1 pound per hour and less than 10,000 pounds per year aggregate total for each criteria pollutant from all emission units. Please specify all emission units for which this exemption applies along with the quantity of criteria pollutants emitted on an hourly and annual basis:
☐	20.	Emission units which do not have any applicable requirements and which emit hazardous air pollutants into the atmosphere at a rate of less than 0.1 pounds per hour and less than 1,000 pounds per year aggregate total for all HAPs from all emission sources. This limitation cannot be used for any source which emits dioxin/furans nor for toxic air pollutants as per 45CSR27. Please specify all emission units for which this exemption applies along with the quantity of hazardous air pollutants emitted on an hourly and annual basis:
☐	21.	Environmental chambers not using hazardous air pollutant (HAP) gases.
☐	22.	Equipment on the premises of industrial and manufacturing operations used solely for the purpose of preparing food for human consumption.
☐	23.	Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.
☒	24.	Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis.
☒	25.	Equipment used for surface coating, painting, dipping or spray operations, except those that will emit VOC or HAP.
☒	26.	Fire suppression systems.
☒	27.	Firefighting equipment and the equipment used to train firefighters.
☐	28.	Flares used solely to indicate danger to the public.
☒	29.	Fugitive emission related to movement of passenger vehicle provided the emissions are not counted for applicability purposes and any required fugitive dust control plan or its equivalent is submitted.
☐	30.	Hand-held applicator equipment for hot melt adhesives with no VOC in the adhesive formulation.

24. Insignificant Activities (Check all that apply)		
☒	31.	Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning or machining wood, metal or plastic.
☐	32.	Humidity chambers.
☐	33.	Hydraulic and hydrostatic testing equipment.
☒	34.	Indoor or outdoor kerosene heaters.
☒	35.	Internal combustion engines used for landscaping purposes.
☐	36.	Laser trimmers using dust collection to prevent fugitive emissions.
☐	37.	Laundry activities, except for dry-cleaning and steam boilers.
☐	38.	Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.
☐	39.	Oxygen scavenging (de-aeration) of water.
☐	40.	Ozone generators.
☒	41.	Plant maintenance and upkeep activities (e.g., grounds-keeping, general repairs, cleaning, painting, welding, plumbing, re-tarring roofs, installing insulation, and paving parking lots) provided these activities are not conducted as part of a manufacturing process, are not related to the source's primary business activity, and not otherwise triggering a permit modification. (Cleaning and painting activities qualify if they are not subject to VOC or HAP control requirements. Asphalt batch plant owners/operators must still get a permit if otherwise requested.)
☒	42.	Portable electrical generators that can be moved by hand from one location to another. "Moved by Hand" means that it can be moved without the assistance of any motorized or non-motorized vehicle, conveyance, or device.
☐	43.	Process water filtration systems and demineralizers.
☒	44.	Repair or maintenance shop activities not related to the source's primary business activity, not including emissions from surface coating or de-greasing (solvent metal cleaning) activities, and not otherwise triggering a permit modification.
☒	45.	Repairs or maintenance where no structural repairs are made and where no new air pollutant emitting facilities are installed or modified.
☒	46.	Routing calibration and maintenance of laboratory equipment or other analytical instruments.
☐	47.	Salt baths using nonvolatile salts that do not result in emissions of any regulated air pollutants. Shock chambers.
☐	48.	Shock chambers.
☐	49.	Solar simulators.
☒	50.	Space heaters operating by direct heat transfer.
☐	51.	Steam cleaning operations.
☐	52.	Steam leaks.
☐	53.	Steam sterilizers.
☐	54.	Steam vents and safety relief valves.
☒	55.	Storage tanks, reservoirs, and pumping and handling equipment of any size containing soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized.
☒	56.	Storage tanks, vessels, and containers holding or storing liquid substances that will not emit any VOC or HAP. Exemptions for storage tanks containing petroleum liquids or other volatile organic liquids should be based on size limits such as storage tank capacity and vapor pressure of liquids stored and are not appropriate for this list.
☐	57.	Such other sources or activities as the Director may determine.

24. Insignificant Activities (Check all that apply)	
☒	58. Tobacco smoking rooms and areas.
☐	59. Vents from continuous emissions monitors and other analyzers.

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

25. Equipment Table

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

26. Emission Units

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

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

27. Control Devices

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

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

Section 6: Certification of Information

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

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

a. Certification of Truth, Accuracy and Completeness

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

b. Compliance Certification

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

Responsible official (type or print)

Name: Ronald L. Patterson	Title: Manager of Engineering

Responsible official's signature:

Signature: _____ Signature Date: _____

(Must be signed and dated in blue ink)

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

☒	ATTACHMENT A: Area Map
☒	ATTACHMENT B: Plot Plan(s)
☒	ATTACHMENT C: Process Flow Diagram(s)
☒	ATTACHMENT D: Equipment Table
☒	ATTACHMENT E: Emission Unit Form(s)
☐	ATTACHMENT F: Schedule of Compliance Form(s)
☒	ATTACHMENT G: Air Pollution Control Device Form(s)
☒	ATTACHMENT H: Compliance Assurance Monitoring (CAM) Form(s)

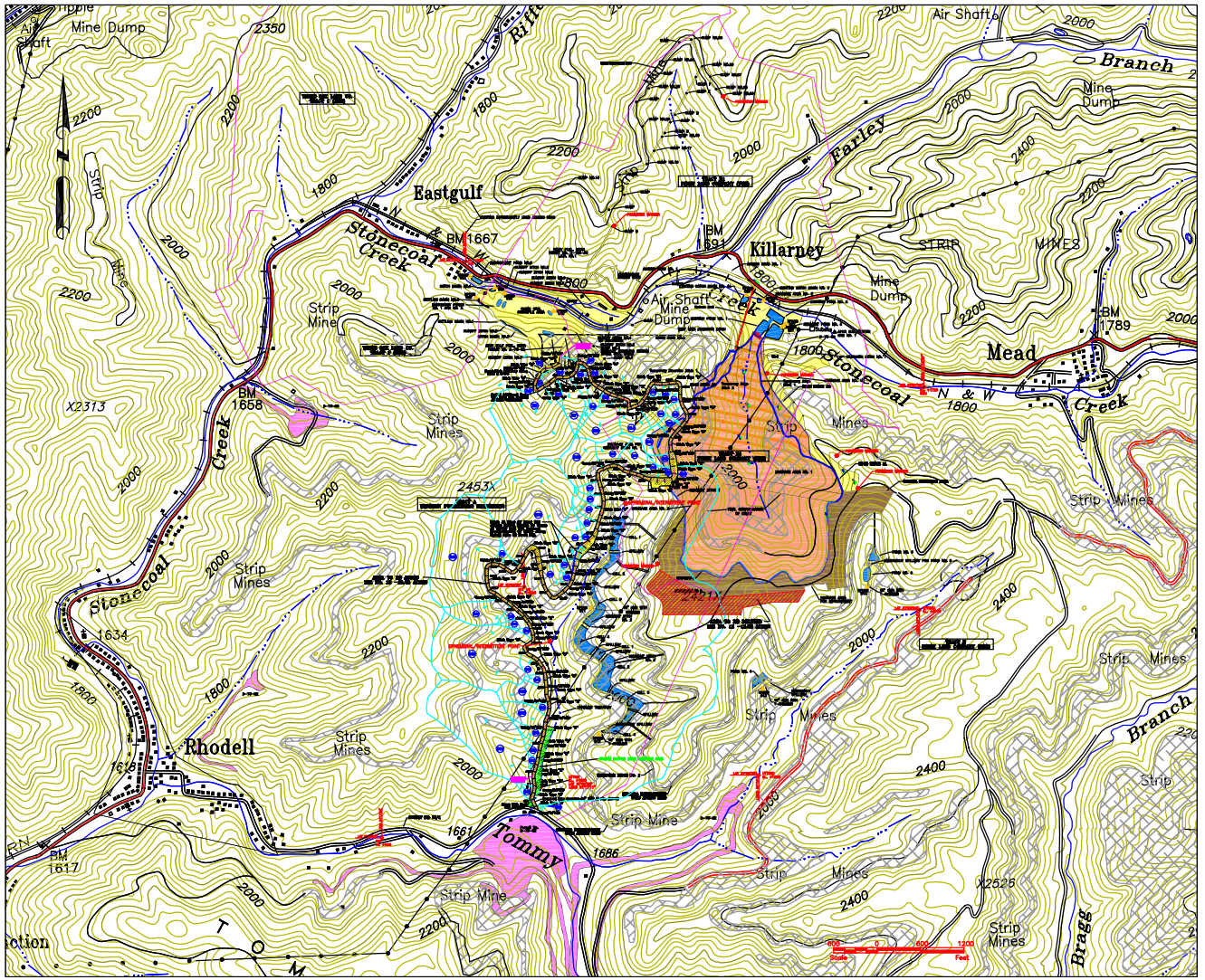
All of the required forms and additional information can be found and downloaded from, the DEP website at www.wvdep.org/daq, requested by phone (304) 926-0475, and/or obtained through the mail.

ATTACHMENT A

AREA MAP(S)

ATTACHMENT B

PLOT PLAN(S)



ERSG

ENVIRONMENTAL REGULATORY SERVICES GROUP, INC.

2303 Roxalana Road, Dunbar, WV 25064 PHONE: (304) 746-4780 FAX: (304) 746-4783

PLOT PLAN
EAST GULF PREPARATION PLANT
PLANT ID. NO. 081-00012

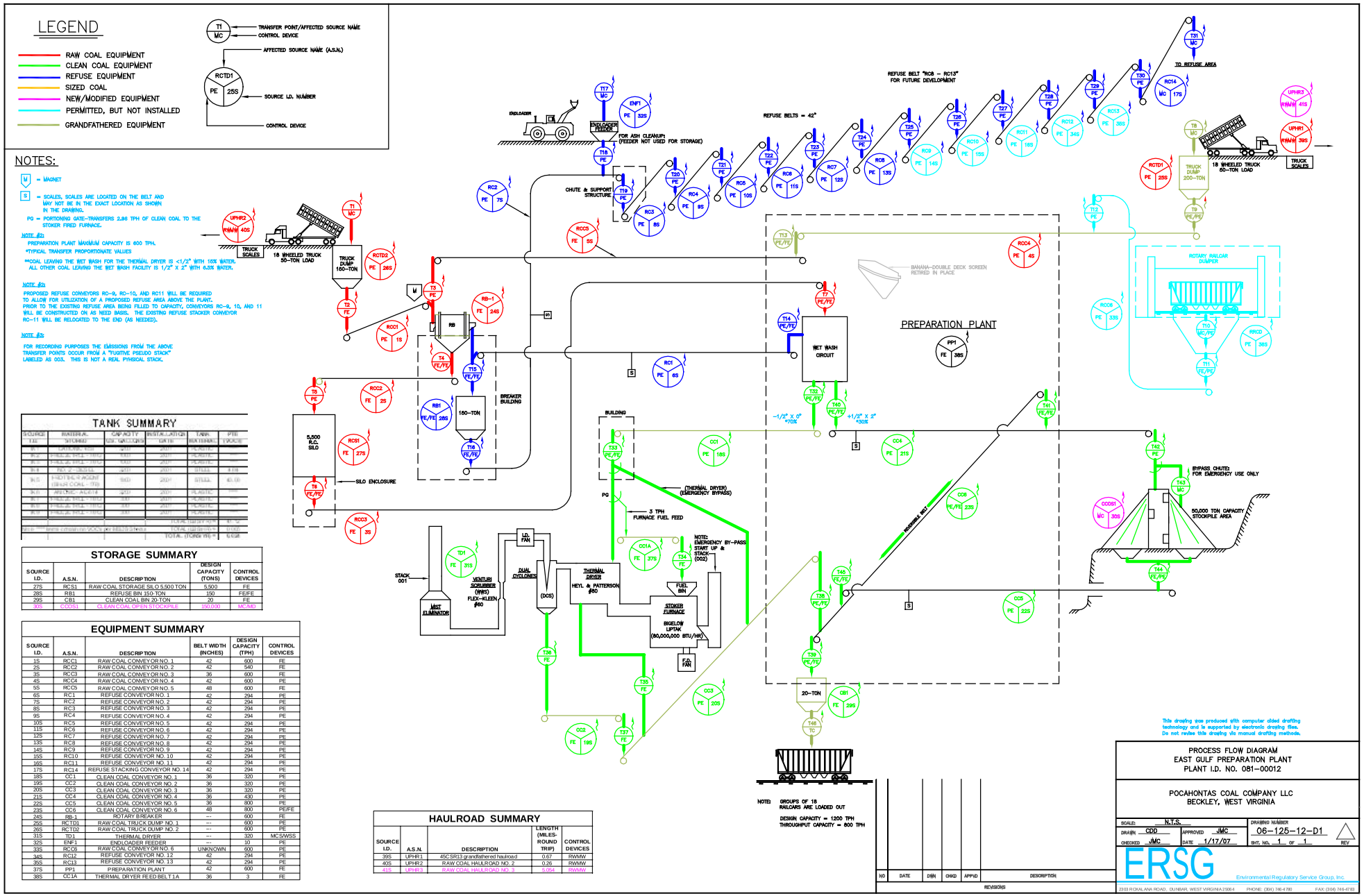
POCAHONTAS COAL COMPANY LLC
BECKLY, WEST VIRGINIA

DWN. CDD	CHKD. JFJ
APPD. FLB	DATE 12/18/06
SCALE: AS NOTED	

DRAWING NUMBER
ERSG 06-125-12-D1REV

ATTACHMENT C

PROCESS FLOW DIAGRAM(S)



TANK SUMMARY

SOURCE I.D.	MATERIAL STORED	CAPACITY (DK. TONS)	INSTALLATION DATE	TANK MATERIAL	PTE
1K1	DIESEL FUEL	500	2001	PLASTIC	1.1E
1K2	DIESEL FUEL	500	2001	PLASTIC	1.1E
1K3	DIESEL FUEL	500	2001	PLASTIC	1.1E
1K4	NO. 2 DIESEL	500	2001	STEEL	1.1E
1K5	MOTOR FUEL GRADE COAL	500	2001	STEEL	45.0E
2K1	METHANOL	500	2001	PLASTIC	[illegible]
2K2	DIESEL FUEL	500	2001	PLASTIC	[illegible]
2K3	DIESEL FUEL	500	2001	PLASTIC	[illegible]
2K4	DIESEL FUEL	500	2001	PLASTIC	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	TOTAL (TONS/YR)	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	TOTAL (TONS/YR)	[illegible]

STORAGE SUMMARY

SOURCE I.D.	A.S.N.	DESCRIPTION	DESIGN CAPACITY (TONS)	CONTROL DEVICES
27S	RCS1	RAW COAL STORAGE SILO 5,500 TON	5,500	FE
28S	RB1	REFUSE BIN 150-TON	150	FE/FE
29S	CB1	CLEAN COAL BIN 20-TON	20	FE
30S	CCDS1	CLEAN COAL OPEN STOCKPILE	150,000	MC/MD

EQUIPMENT SUMMARY

SOURCE I.D.	A.S.N.	DESCRIPTION	BELT WIDTH (INCHES)	DESIGN CAPACITY (TPH)	CONTROL DEVICES
1S	RCC1	RAW COAL CONVEYOR NO. 1	42	600	FE
2S	RCC2	RAW COAL CONVEYOR NO. 2	42	540	FE
3S	RCC3	RAW COAL CONVEYOR NO. 3	36	600	FE
4S	RCC4	RAW COAL CONVEYOR NO. 4	42	600	PE
5S	RCC5	RAW COAL CONVEYOR NO. 5	48	600	FE
6S	RC1	REFUSE CONVEYOR NO. 1	42	294	PE
7S	RC2	REFUSE CONVEYOR NO. 2	42	294	PE
8S	RC3	REFUSE CONVEYOR NO. 3	42	294	PE
9S	RC4	REFUSE CONVEYOR NO. 4	42	294	PE
10S	RC5	REFUSE CONVEYOR NO. 5	42	294	PE
11S	RC6	REFUSE CONVEYOR NO. 6	42	294	PE
12S	RC7	REFUSE CONVEYOR NO. 7	42	294	PE
13S	RC8	REFUSE CONVEYOR NO. 8	42	294	PE
14S	RC9	REFUSE CONVEYOR NO. 9	42	294	PE
15S	RC10	REFUSE CONVEYOR NO. 10	42	294	PE
16S	RC11	REFUSE CONVEYOR NO. 11	42	294	PE
17S	RC14	REFUSE STACKING CONVEYOR NO. 14	42	294	PE
18S	CC1	CLEAN COAL CONVEYOR NO. 1	36	320	PE
19S	CC2	CLEAN COAL CONVEYOR NO. 2	36	320	PE
20S	CC3	CLEAN COAL CONVEYOR NO. 3	36	320	PE
21S	CC4	CLEAN COAL CONVEYOR NO. 4	36	430	PE
22S	CC5	CLEAN COAL CONVEYOR NO. 5	36	800	PE
23S	CC6	CLEAN COAL CONVEYOR NO. 6	48	800	PE/FE
24S	RB-1	ROTARY BREAKER	---	600	FE
25S	RCTD1	RAW COAL TRUCK DUMP NO. 1	---	600	PE
26S	RCTD2	RAW COAL TRUCK DUMP NO. 2	---	600	PE
31S	TD1	THERMAL DRYER	---	320	MC/SWSS
32S	ENF1	ENDLOADER FEEDER	---	10	PE
33S	RCC6	RAW COAL CONVEYOR NO. 6	UNKNOWN	600	PE
34S	RC12	REFUSE CONVEYOR NO. 12	42	294	PE
35S	RC13	REFUSE CONVEYOR NO. 13	42	294	PE
37S	PP1	PREPARATION PLANT	42	600	FE
38S	CC1A	THERMAL DRYER FEED BELT 1A	36	3	FE

HAULROAD SUMMARY

SOURCE I.D.	A.S.N.	DESCRIPTION	LENGTH (MILES-ROUND TRIP)	CONTROL DEVICES
39S	UPHR1	45CSR13 grandfathered haulroad	0.67	RWMW
40S	UPHR2	RAW COAL HAULROAD NO. 2	0.26	RWMW
41S	UPHR3	RAW COAL HAULROAD NO. 3	0.054	RWMW

This drawing was produced with computer aided drafting technology and is supported by electronic drafting files. Do not revise this drawing via manual drafting methods.

PROCESS FLOW DIAGRAM
EAST GULF PREPARATION PLANT
PLANT I.D. NO. 081–00012

POCAHONTAS COAL COMPANY LLC
BECKLEY, WEST VIRGINIA

SCALE: N.T.S.	DRAWING NUMBER: 06–125–12–D1
DRAWN: CDD	APPROVED: JMC
CHECKED: JMC	DATE: 1/17/07
SHT. NO. 1 OF 1	REV

NO	DATE	DWN	CHKD	APP'D	DESCRIPTION

REVISIONS

ERSG
Environmental Regulatory Service Group, Inc.
2103 ROKALANA ROAD . DUNBAR, WEST VIRGINIA 25064 PHONE: (304) 766-4780 FAX: (304) 766-4783

ATTACHMENT D

TITLE V EQUIPMENT TABLE

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
T8 and T9	PE	RCTD1 (25S)	Raw Coal Truck Dump No. 1 – 200 Ton Bin	600 TPH 5.3 MM tpy	GF (1972)
T1, T2, and T15	PE	RCTD2 (26S)	Raw Coal Truck Dump No. 2 – 150 Ton Bin	600 TPH 5.3 MM tpy	1978
T3 and T4	FE	RB-1 (24S)	Prep. Plant Rotary Breaker – Pennsylvania Crusher – Model No. RMD 9' x 16'	600 TPH 5.3 MM tpy	1978
T33, T34, T35, T36, and 001	MCS / WSS	TD1 (31S)	Thermal Dryer – J. O. Lively Fluid Bed Dryer, Model No. H & P 80, Design capacity – 80 MM BTU per hour heat input. Double Butterfly Cyclone – original 106,000 acfm, modified 120,000 acfm. Venturi Scrubber – Flex-Kleen, Model # 60 – 1156 HP fan –Water Supply - 503 gal/min. Flexkleen High Velocity Mist Eliminator	320 TPH 2.8 MM tpy	1972 (Mod. '82 – 90)
T17 and T18	PE	ENF1 (32S)	Endloader Feeder No. 1 (refuse)	10 TPH 30,000 tpy	1978
T10, T11, and T12	PE	RRCD (36S)	Railcar Unloading Facility	600 TPH 5.3 MM tpy	Proposed
T46	FE	PP1 (38S)	Preparation Plant	600 TPH 3.71 MM tpy	GF (1972)
T2 and T3	FE	RCC1 (1S)	Raw Coal Conveyor No. 1	600 TPH 5.3 MM tpy	1978
T4 and T5	FE	RCC2 (2S)	Raw Coal Conveyor No. 2	540 TPH 4.77 MM tpy	1978
T6 and T7	FE	RCC3 (3S)	Raw Coal Conveyor No. 3	600 TPH 4.7 MM tpy	1978
T9 and T13	PE	RCC4 (4S)	Raw Coal Conveyor No. 4	600 TPH 5.3 MM tpy	GF (1972)
T13 and T3	FE	RCC5 (5S)	Raw Coal Conveyor No. 5	600 TPH 5.3 MM tpy	1978
T14 and T15	PE	RC1 (6S)	Refuse Conveyor No. 1	294 TPH 2.6 MM tpy	1986
T16 and T19	PE	RC2 (7S)	Refuse Conveyor No. 2	294 TPH 2.6 MM tpy	1986

T19 and T20	PE	RC3 (8S)	Refuse Conveyor No. 3	294 TPH 2.6 MM tpy	1986
T20 and T21	PE	RC4 (9S)	Refuse Conveyor No. 4	294 TPH 2.6 MM tpy	1986
T21 and T22	PE	RC5 (10S)	Refuse Conveyor No. 5	294 TPH 2.6 MM tpy	1986
T22 and T23	PE	RC6 (11S)	Refuse Conveyor No. 6	294 TPH 2.6 MM tpy	1986 (Mod. 2001)
T23 and T24	PE	RC7 (12S)	Refuse Conveyor No. 7	294 TPH 2.6 MM tpy	1986 (Mod. 2001)
T24 and T25	PE	RC8 (13S)	Refuse Conveyor No. 8	294 TPH 2.6 MM tpy	Proposed
T25 and T26	PE	RC9 (14S)	Refuse Conveyor No. 9	294 TPH 2.6 MM tpy	Proposed
T26 and T27	PE	RC10 (15S)	Refuse Conveyor No. 10	294 TPH 2.6 MM tpy	Proposed
T27 and T28	PE	RC11 (16S)	Refuse Conveyor No. 11	294 TPH 2.6 MM tpy	Proposed
T30 and T31	MC	RC14 (17S)	Refuse Stacking Conveyor No. 14	294 TPH 2.6 MM tpy	1986 (Mod. 2001)
T32 and T33	PE	CC1 (18S)	Clean Coal Conveyor No. 1	320 TPH 2.6 MM tpy	GF (1972)
T36 and T37	PE	CC2 (19S)	Clean Coal Conveyor No. 2	320 TPH 2.6 MM tpy	GF (1972)
T37, T35, and T38	PE	CC3 (20S)	Clean Coal Conveyor No. 3	320 TPH 2.6 MM tpy	GF (1972)
T40, T41, and T42	PE	CC4 (21S)	Clean Coal Conveyor No. 4	430 TPH 3.71 MM tpy	1983
T44 and T45	PE	CC5 (22S)	Clean Coal Conveyor No. 5	800 TPH 3.71 MM tpy	1983
T38, T39, T41, and T45	PE/FE	CC6 (23S)	Clean Coal Reversing Conveyor No. 6	800 TPH 3.71 MM tpy	1983
T11 and T12	PE	RCC6 (33S)	Rail Car Unloading Conveyor No. 6	600 TPH 5.3 MM tpy	Proposed

T28 and T29	PE	RC12 (34S)	Refuse Conveyor No. 12	294 TPH 2.6 MM tpy	Proposed
T29 and T30	PE	RC13 (35S)	Refuse Conveyor No. 13	294 TPH 2.6 MM tpy	Proposed
T33 and T34	FE	CC1 –A (37S)	Clean Coal Conveyor No. 1A	3 TPH 26,280 tpy	1972
T5 and T6	FE	RCS1 (27S)	Raw Coal Silo	5,500 Tons 4.8 MM tpy	1978
T15 and T 16	FE/FE	RB1 (28S)	Refuse Bin No. 1	150 Tons 2.6 MM tpy	1978
T39 and T46	FE	CB1 (29S)	Clean Coal Loadout Bin No. 1	20 Tons 3.71 MM tpy	1972
T42 and T43*, T44	MC/MD	CCOS1 (30S)	Clean Coal Open Stockpile No. 1 with Stacking Tube 120,000 Sq. Ft. area *Emergency Wet Clean out	150,000 Tons 3.71 MM tpy	1983
T8	RWMW	UPHR1	Haulroad to Raw Coal Truck Dump No. 1 (Unpaved) 0.67 miles round trip.	N/A	GF (1972)
T1	RWMW	UPHR2	Haulroad to Raw Coal Truck Dump No. 2 (Unpaved) 0.26 miles round trip.	N/A	1978
T8	RWMW	UPHR3	Haulroad to Raw Coal Truck Dump No. 1 (Unpaved) 5.054 miles round trip	N/A	Proposed

[1]For 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 FORM(S)

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
TD1	Thermal Dryer	Multi-Clone, Wet Scrubber, and Mist Eliminator

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

Coal fired fluidized bed thermal dryer
320 tons per hour
80 MMBtu/hr

Manufacturer:	**Model number:**	**Serial number:**
Heyl and Patterson	Model No. 80	P.O. #2084

Construction date:	**Installation date:**	**Modification date(s):**
01/01/1972	01/01/1972	1982, 1983, 1987-1990

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
320 tons dried per hour	2,803,200 tons dried annually	8,760 hours/year

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

Does this emission unit combust fuel? _X_ Yes ___ No	**If yes, is it?** ___ Indirect Fired _X_ Direct Fired
Maximum design heat input and/or maximum horsepower rating: 80 MMBtu/hr	**Type and Btu/hr rating of burners:** Bigelow-Liptak 80MMBtu/hr Furnace

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.
Coal (Primary) – 3 ton/hr and 26,280 ton/yr

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Coal	1.61%	6%	13,334 Btu/lb

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	18.01	78.84
Nitrogen Oxides (NO_X)	46.10	201.83
Lead (Pb)	0.039	0.17082
Particulate Matter (PM_{10})	27.2	119.14
Total Particulate Matter (TSP)	54.4	238.27
Sulfur Dioxide (SO_2)	134.42	588.68
Volatile Organic Compounds (VOC)	31.36	137.36
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acetaldehyde	.00171	0.00749
Acetohenone	0.00005	0.00020
Acrolein	0.00087	0.00381
Benzene	0.00390	0.01708
Benzyl Chloride	0.00210	0.00920
Bromoform	0.00012	0.00051
Carbon Disulfide	0.00039	0.00171
2-Chloroacetophenone	0.00002	0.00009
Chlorobenzene	0.00007	0.00029
Chloroform	0.00018	0.00078
Cumene	0.00016	0.00070
2,4-Dinitrotoluene	0.00000	0.00000
Dimethyl Sulfate	0.00014	0.00063
Ethyl Benzene	0.00028	0.00124
Formaldehyde	0.00072	0.00315
Hexane	0.00020	0.00088
Methyl Ethyl Ketone	0.00117	0.00512
Methyl Hydrazine	0.00051	0.00223
Methyl Methacrylate	0.00006	0.00026
Mehylene Chloride	0.00087	0.00381
Phenol	0.00005	0.00021

Propionaldehyde	0.00114	0.00499
Tetrachloroethylene	0.00013	0.00057
Toluene	0.00072	0.00315
1,1,1-Trichloroethane	0.00006	0.00026
Styrene	0.00008	0.00033
Xylenes	0.00011	0.00049
Vinyle Acetate	0.00002	0.00010
Hydrocloric Acid	5.70	24.97
Hydroflouric Acid	0.69	3.02
Antimony (Sb2O5)	0.0078	0.03416
Arsenic (AS2O5)	0.99	4.3362
Barium (BaO)	0.48	2.1024
Beryllim (BeO)	0.0189	0.08278
Cadminum (CdO)	0.00054	0.00237
Chromium (CrO3)	0.081	0.35478
Cobalt (CoO)	0.042	0.18396
Manganese (MnO2)	0.063	0.27594
Mercury (HgO)	0.00084	0.00368
Nickel (NiO)	0.087	0.38106
Selenium (SeO2)	0.0192	0.0841
Silver (AgO)	0.0003	0.00131
Zinc (ZnO)	0.069	0.30222

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.).

Particulate, sulfur dioxide, nitrogen oxides, volatile organic compound, and carbon dioxide potential emissions are based on the emissions factors found in AP-42 - Table 11.10-1 & 11.10-2 (11/'95) and the amount of coal dried in the thermal dryer.

The carbon monoxide potential emissions are based on the emission factors found in AP-42 Table 1.4-1 and 1.4-2 (7/'98) and the amount of coal/natural gas combusted.

The VOC HAP potential emissions are based on the emission factors taken from Tables 3-8 and 4-5 of EPA's Guidance for Coal Mining Facilities (EPA 745-B-99-002).

The metal HAP potential emissions are based on the emission factors found in the USGS Coal Quality Database and calculated per EPA 745-B-99-002 that assume that 100 % of the base metal is fully oxidized to determine the quantity of the metal compounds manufactured / emitted.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Thermal Dryer
Install Flow Straightening devices as required – Permit Condition Number III.B.1.a.vi
20% Opacity – Permit Condition Number III.B.2.a.ii. and III.B.2.a.xi
No more than 60% opacity for more than 8 min. during startup – Permit Condition Number III.B.2.a.iv
No more than 60% opacity for more than 5 min. during operation – Permit Condition Number III.B.2.a.iii
<0.0825 gr/dscf and <0.031 gr/dscf particulate matter – Permit Condition Number III.B.2.a.xii and III.B.2.a.xi
Adding additional gas to dryer exhaust – Permit Condition Number III.B.2.a.xiii
Stack Height > 80ft. or >10ft. from adjacent structure – Permit Condition Number III.B.2.a.xiv
Continuously measure stack gas temperature – Permit Condition Number III.B.2.a.xv
Continuously measure pressure drop in scrubber – Permit Condition Number III.B.2.a.xvi
Continuously measure pressure of water supply for scrubber – Permit Condition Number III.B.2.a.xvii
Secretary's authority to require Stack Gas Monitoring – Permit Condition Number III.B.2.a.xix
SO_2 Calculation based on fuel sulfur content basis – Permit Condition Number III.B.2.a.xx
SO_2 Compliance Testing – Permit Condition Number III.B.2.a.xxi
Air Pollution Emissions Testing – Permit Condition Number III.B.2.a.xxii
BTU, Sulfur & Volatile Matters Daily Analysis – Permit Condition Number – III.B.2.a.xxiv
Criteria Air Pollutants Limits – Permit Condition Number – III.B.2.a.xxv
Criteria Air Pollutants Parametric Monitoring – III.B.2.a.xxvi
Criteria Air Pollutants Scrubber Operation Adjustments – III.B.2.a.xxvii

Facility Wide
For Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv
Conduct Testing as Required – Permit Condition Number III.B.1.a.v
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i.
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i.
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix.
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii, III.B.2.a.xxiii, and III.B.2.a.v.
Throughput limits – Permit Condition Number III.B.2.a.xxviii
Fugitive dust control – Permit Condition Number III.B.2.a.xxix

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.)

Thermal Dryer
Install Flow Straightening devices as required – Permit Condition Number III.B.2.a.vi (*Recording*)
20% Opacity – Permit Condition Number III.B.2.a.ii. and III.B.2.a.xi (*Visual Inspection and Recordkeeping*)
No more than 60% opacity for more than 8 min. during startup – Permit Condition Number III.B.2.a.iv (*Visual Inspection and Recordkeeping*)
No more than 60% opacity for more than 5 min. during operation – Permit Condition Number III.B.2.a.iii (*Visual Inspection and Recordkeeping*)
<0.0825 gr/dscf and <0.031 gr/dscf particulate matter – Permit Condition Number III.B.2.a.xii and III.B.2.a.xi (*Stack Testing*)
Adding additional gas to dryer exhaust – Permit Condition Number III.B.2.a.xiii (*Inspection and Recordkeeping*)
Stack Height > 80ft. or >10ft. from adjacent structure – Permit Condition Number III.B.2.a.xiv (*Inspection*)
Continuously measure stack gas temperature – Permit Condition Number III.B.2.a.xv (*Install monitor and Recordkeeping*)
Continuously measure pressure drop in scrubber – Permit Condition Number III.B.2.a.xvi (*Install monitor and Recordkeeping*)
Continuously measure pressure of water supply for scrubber – Permit Condition Number III.B.2.a.xvii (*Install monitor and Recordkeeping)*
Secretary's authority to require Stack Gas Monitoring – Permit Condition Number III.B.2.a.xix (*Recordkeeping*)
SO_2 Calculation based on fuel sulfur content basis – Permit Condition Number III.B.2.a.xx (*Recordkeeping*)
SO_2 Compliance Testing – Permit Condition Number III.B.2.a.xxi (*Recordkeeping*)
Air Pollution Emissions Testing – Permit Condition Number III.B.2.a.xxii (*Recordkeeping and Recording*)
BTU, Sulfur & Volatile Matters Daily Analysis – Permit Condition Number – III.B.2.a.xxiv (*Recordkeeping*)
Criteria Air Pollutants Limits – Permit Condition Number – III.B.2.a.xxv (*Stack Test*)
Criteria Air Pollutants Parametric Monitoring – III.B.2.a.xxvi (*Recordkeeping*)
Criteria Air Pollutants Scrubber Operation Adjustments – III.B.2.a.xxvii (*Recordkeeping*)

Facility Wide
For Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv (*Reporting*)
Conduct Testing as Required – Permit Condition Number III.B.1.a.v (*Recordkeeping and Recording*)
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i. (*Recordkeeping*)
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i. (*Reporting*)
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix. (*Visual Inspection and Recordkeeping*)
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi (*Recordkeeping*)
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x (*Visual Inspection and Recordkeeping*)
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii, III.B.2.a.xxiii, and III.B.2.a.v. (*Reporting)*
Throughput limits – Permit Condition Number III.B.2.a.xxviii (*Recordkeeping*)
Fugitive dust control – Permit Condition Number III.B.2.a.xxix (*Recordkeeping*)

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
24S	Rotary Breaker (RB-1)	Full Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
600 ton/hr rotary breaker

Manufacturer: Pennsylvania	**Model number:** RMD 9' x 16'	**Serial number:** Unknown
Construction date: Unknown	**Installation date:** 1978	**Modification date(s):** NA

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
600 ton/hr

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
600 ton/hr	5,300,000 ton/yr	8,760 hours/year

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

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

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

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter (PM_{10})	5.68	25.07
Total Particulate Matter (TSP)	12.00	53.00
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		

Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY

Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Particulate matter emissions are calculated based on the emission factors found in the General Permit (G-10C) Calculation Spreadsheet.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based 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 Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv
Conduct Testing as Required – Permit Condition Number III.B.1.a.v
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i.
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i.
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix.
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii
Throughput limits – Permit Condition Number III.B.2.a.xxvii
Fugitive dust control – Permit Condition Number III.B.2.a.xxix

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 Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv (*Reporting*)
Conduct Testing as Required – Permit Condition Number III.B.1.a.v (*Recordkeeping and Recording*)
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i. (*Recordkeeping*)
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i. (*Reporting*)
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix. (*Visual Inspection and Recordkeeping*)
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi (*Recordkeeping*)
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x (*Visual Inspection and Recordkeeping*)
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii (*Reporting*)
Throughput limits – Permit Condition Number III.B.2.a.xxvii (*Recordkeeping*)
Fugitive dust control – Permit Condition Number III.B.2.a.xxix (*Recordkeeping*)

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
See attached table	See attached table	Partial Enclosures and Full Enclosures

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
All conveyors and associated transfer points

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

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
See attached table

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
See attached table	See attached table	8,760 hours/year

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

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

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

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter (PM_{10})	5.21	19.72
Total Particulate Matter (TSP)	10.99	41.67
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		

Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY

Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Calculated using emission factors and formulas taken from AP-42 13.2.2 (9/98).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Facility Wide
Open Burning Prohibited – Permit Condition Number III.B.1.a.i. and III.B.1.a.ii
For Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv
Conduct Testing as Required – Permit Condition Number III.B.1.a.v
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i.
Permanent Shutdown – Permit Condition Number III.B.1.b.ii.
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i.
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix.
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii
Throughput limits – Permit Condition Number III.B.2.a.xxvii
Fugitive dust control – Permit Condition Number III.B.2.a.xxix

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.)

Facility Wide
Open Burning Prohibited – Permit Condition Number III.B.1.a.i. and III.B.1.a.ii (*Visual Inspection*)
Asbestos – Permit Condition Number III.B.1.a.iii (*Visual Inspection and Recordkeeping*)
For Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv (*Reporting*)
Conduct Testing as Required – Permit Condition Number III.B.1.a.v (*Recordkeeping and Recording*)
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i. (*Recordkeeping*)
Permanent Shutdown – Permit Condition Number III.B.1.b.ii. (*Reproting*)
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i. (*Reporting*)
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix. (*Visual Inspection and Recordkeeping*)
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi (*Recordkeeping*)
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x (*Visual Inspection and Recordkeeping*)
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii (*Reporting*)
Throughput limits – Permit Condition Number III.B.2.a.xxvii (*Recordkeeping*)
Fugitive dust control – Permit Condition Number III.B.2.a.xxix (*Recordkeeping*)

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

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

CONVEYING AFFECTED SOURCE SHEET – EAST GULF PREPARATION PLANT

Source Identification Number[1]	Date of Manufacture[2]	Type of Material Handled[3]	Size of Material Handled[4]	Maximum Material Transfer Rate[5]		Average Moisture Content (%)[6]	Control Device[7]
				tons/hour	tons/year		
CC1	GF (1972)	Clean Coal	-3/8” x 0”	320	2,600,000	11	PE
CC2	GF (1972)	Clean Coal	-3/8” x 0”	300	2,600,000	6.5	PE
CC3	GF (1972)	Clean Coal	-3/8” x 0”	320	2,600,000	6.5	PE
CC4	1983	Clean Coal	2” x 0”	430	3,710,000	6.75	PE
CC5	1983	Clean Coal	2” x 0”	800	3,710,000	6.75	PE
CC6	1983	Clean Coal	2” x 0”	800	3,710,000	6.75	PE/FE
RCC1	1978	Raw Coal	+6” x 0”	600	5,300,000	7	FE
RCC2	1978	Raw Coal	2” x 0”	540	4,770,000	7	FE
RCC3	1978	Raw Coal	2” x 0”	600	4,700,000	7	FE
RCC4	1972	Raw Coal	+6” x 0”	600	5,300,000	7	PE
RCC5	1978	Raw Coal	+6” x 0”	600	5,300,000	7	FE
RCC6	2005	Raw Coal	+6” x 0”	600	5,300,000	7	PE
RC1	1986	Refuse	-2” x 0”	294	2,600,000	10	PE
RC2	1986	Refuse	-6” x 0”	294	2,600,000	10	PE
RC3	1986	Refuse	-6” x 0”	294	2,600,000	10	PE
RC4	1986	Refuse	-6” x 0”	294	2,600,000	10	PE
RC5	1986	Refuse	-6” x 0”	294	2,600,000	10	PE
RC6	1986 (Mod. 2001)	Refuse	-6” x 0”	294	2,600,000	10	PE
RC7	1986 (Mod. 2001)	Refuse	-6” x 0”	294	2,600,000	10	PE
RC8	2005	Refuse	-6” x 0”	294	2,600,000	10	PE
RC9	2005	Refuse		294	2,600,000	10	PE
RC10	2005	Refuse	-6” x 0”	294	2,600,000	10	PE
RC11	2005	Refuse	-6” x 0”	294	2,600,000	10	PE
RC12	2005	Refuse	-6” x 0”	294	2,600,000	10	PE
RC13	2005	Refuse	-6” x 0”	294	2,600,000	10	PE
RC14	1986 (Mod. 2001)	Refuse	-6” x 0”	294	2,600,000	10	PE
CC1-A	1972	Clean Coal	-3/8” x 0”	3	26,280	11	FE

1. Enter the appropriate Source Identification Number for each conveyor using the following codes. For example, multiple belt conveyors should be designated BC-1, BC-2, BC-3 etc. Transfer points are considered emission points, not sources,

and should not be included in the *Conveying Affected Source Sheet*. Transfer Point Identification Numbers shall be assigned in the *Emission Calculation Sheet*.

a. C Belt Conveyor
b. DL Drag-link Conveyor
c. SC Screw Conveyor
d. OT Other
BE Bucket Elevator
PS Pneumatic System
VC Vibrating Conveyor

2. Enter the date that each conveying device was manufactured.
3. Enter the type of material being handled - Raw Coal (RC) Sized Coal (SC) Clean Coal (CC) Refuse (R) Other (O) ___
4. Enter the nominal size of the material being conveyed (e.g. clean coal - **:** " x 0). If more than one material is handled by the listed conveyor, list each material and enter the appropriate data for each material.
5. Enter the maximum material transfer rate for each conveyor in tons per hour and tons per year.
6. Enter the average percent moisture content of the conveyed material.
7. Enter the control device for the conveyor. PE - Partial Enclosure (example 3/4 hoop) FE - Full Enclosure N – None

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
30S	Clean Coal Open Stockpile (CCOS1)	Moisture Content, Partial Enclosure, and Full/Partial Enclosure

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

Raw Coal Stockpile – 150,000 ton capacity

120,000 square feet

Manufacturer: NA	**Model number:**	**Serial number:**
Construction date:	**Installation date:** 1983	**Modification date(s): 2006**

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
150,000 ton capacity/120,000 square feet

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
430 TPH	3.71 MM tpy	8,760 hours/year

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

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

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

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter (PM_{10})	0.38	1.67
Total Particulate Matter (TSP)	0.81	3.53
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Stockpile emissions calculated using the emission factors located in the General Permit (G-10C) Spreadsheet.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based 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 Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv
Conduct Testing as Required – Permit Condition Number III.B.1.a.v
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i.
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i.
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix.
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii
Throughput limits – Permit Condition Number III.B.2.a.xxvii
Fugitive dust control – Permit Condition Number III.B.2.a.xxix

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 Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv (*Reporting*)
Conduct Testing as Required – Permit Condition Number III.B.1.a.v (*Recordkeeping and Recording*)
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i. (*Recordkeeping*)
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i. (*Reporting*)
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix. (*Visual Inspection and Recordkeeping*)
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi (*Recordkeeping*)
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x (*Visual Inspection and Recordkeeping*)
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii (*Reporting*)
Throughput limits – Permit Condition Number III.B.2.a.xxvii (*Recordkeeping*)
Fugitive dust control – Permit Condition Number III.B.2.a.xxix (*Recordkeeping*)

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
25S	Raw Coal Truck Dump No.1 (RCTD1)	Moisture Content Partial Enclosure

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

Raw Coal Truck Dump No. 1 – 200 ton capacity Bin

Manufacturer: NA	**Model number:**	**Serial number:**
Construction date:	**Installation date:** GF (1972)	**Modification date(s):**

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
200 ton capacity bin

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
600 tons	5.3MM tpy	8,760 hours/year

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

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

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

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

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

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

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based 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 Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv
Conduct Testing as Required – Permit Condition Number III.B.1.a.v
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i.
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix.
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii
Throughput limits – Permit Condition Number III.B.2.a.xxvii
Fugitive dust control – Permit Condition Number III.B.2.a.xxix

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 Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv (*Reporting*)
Conduct Testing as Required – Permit Condition Number III.B.1.a.v (*Recordkeeping and Recording*)
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i. (*Recordkeeping*)
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i. (*Reporting*)
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix. (*Visual Inspection and Recordkeeping*)
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi (*Recordkeeping*)
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x (*Visual Inspection and Recordkeeping*)
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii (*Reporting*)
Throughput limits – Permit Condition Number III.B.2.a.xxvii (*Recordkeeping*)
Fugitive dust control – Permit Condition Number III.B.2.a.xxix (*Recordkeeping*)

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
26S	Raw Coal Truck Dump No.2 (RCTD2)	Moisture Content, Full Enclosure, and Full Enclosure in Building

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

Raw Coal Truck Dump No.2 – 150 ton capacity bin

Manufacturer: NA	**Model number:**	**Serial number:**
Construction date:	**Installation date:** 1978	**Modification date(s):**

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
150 ton capacity bin

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
600 tons	5.3 MM tpy	8,760 hours/year

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

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

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

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

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

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

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based 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 Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv
Conduct Testing as Required – Permit Condition Number III.B.1.a.v
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i.
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i.
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix.
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii
Throughput limits – Permit Condition Number III.B.2.a.xxvii
Fugitive dust control – Permit Condition Number III.B.2.a.xxix

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 Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv (*Reporting*)
Conduct Testing as Required – Permit Condition Number III.B.1.a.v (*Recordkeeping and Recording*)
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i. (*Recordkeeping*)
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i. (*Reporting*)
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix. (*Visual Inspection and Recordkeeping*)
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi (*Recordkeeping*)
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x (*Visual Inspection and Recordkeeping*)
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii (*Reporting*)
Throughput limits – Permit Condition Number III.B.2.a.xxvii (*Recordkeeping*)
Fugitive dust control – Permit Condition Number III.B.2.a.xxix (*Recordkeeping*)

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
32S	Endloader Feeder No. 1 – ENF1	Moisture Content and Partial Enclosure

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Endloader Feeder No. 1 (refuse) – 10 TPH and 30,000 tpy

Manufacturer: NA	**Model number:**	**Serial number:**
Construction date: NA	**Installation date:** 1978	**Modification date(s):**

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
10 TPH

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
10 TPH	30,000 tpy	8,760 hours/year

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

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

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

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

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

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

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based 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 Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv
Conduct Testing as Required – Permit Condition Number III.B.1.a.v
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i.
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i.
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix.
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii
Throughput limits – Permit Condition Number III.B.2.a.xxvii
Fugitive dust control – Permit Condition Number III.B.2.a.xxix

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 Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv (*Reporting*)
Conduct Testing as Required – Permit Condition Number III.B.1.a.v (*Recordkeeping and Recording*)
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i. (*Recordkeeping*)
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i. (*Reporting*)
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix. (*Visual Inspection and Recordkeeping*)
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi (*Recordkeeping*)
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x (*Visual Inspection and Recordkeeping*)
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii (*Reporting*)
Throughput limits – Permit Condition Number III.B.2.a.xxvii (*Recordkeeping*)
Fugitive dust control – Permit Condition Number III.B.2.a.xxix (*Recordkeeping*)

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
29S	Clean Coal Loadout Bin No. 1 (CB1)	Partial Enclosure in Building

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

Clean Coal Loadout Bin No. 1 – 20 ton capacity

Manufacturer: NA	**Model number:**	**Serial number:**
Construction date:	**Installation date:** 1972	**Modification date(s):**

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
20 ton capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
800 tons/hr	3.71 MM tpy	8,760 hours/year

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

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

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

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

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

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

Stockpile emissions calculated using the emission factors located in the General Permit (G-10C) Spreadsheet.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Facility Wide
For Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv
Conduct Testing as Required – Permit Condition Number III.B.1.a.v
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i.
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i.
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix.
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii
Throughput limits – Permit Condition Number III.B.2.a.xxvii
Fugitive dust control – Permit Condition Number III.B.2.a.xxix

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.)

Facility Wide
For Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv (*Reporting*)
Conduct Testing as Required – Permit Condition Number III.B.1.a.v (*Recordkeeping and Recording*)
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i. (*Recordkeeping*)
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i. (*Reporting*)
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix. (*Visual Inspection and Recordkeeping*)
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi (*Recordkeeping*)
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x (*Visual Inspection and Recordkeeping*)
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii (*Reporting*)
Throughput limits – Permit Condition Number III.B.2.a.xxvii (*Recordkeeping*)
Fugitive dust control – Permit Condition Number III.B.2.a.xxix (*Recordkeeping*)

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
28S	Refuse Bin No. 1 (RB1)	Full Enclosure in Building

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Refuse Bin No. 1 – 150 ton capacity

Manufacturer: NA	**Model number:**	**Serial number:**
Construction date:	**Installation date:** 1978	**Modification date(s):**

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
150 ton capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
294 tons/hr	2.6 MM tpy	8,760 hours/year

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

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

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

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

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

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

Stockpile emissions calculated using the emission factors located in the General Permit (G-10C) Spreadsheet.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Facility Wide
For Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv
Conduct Testing as Required – Permit Condition Number III.B.1.a.v
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i.
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i.
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix.
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii
Throughput limits – Permit Condition Number III.B.2.a.xxvii
Fugitive dust control – Permit Condition Number III.B.2.a.xxix

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.)

Facility Wide
For Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv (*Reporting*)
Conduct Testing as Required – Permit Condition Number III.B.1.a.v (*Recordkeeping and Recording*)
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i. (*Recordkeeping*)
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i. (*Reporting*)
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix. (*Visual Inspection and Recordkeeping*)
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi (*Recordkeeping*)
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x (*Visual Inspection and Recordkeeping*)
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii (*Reporting*)
Throughput limits – Permit Condition Number III.B.2.a.xxvii (*Recordkeeping*)
Fugitive dust control – Permit Condition Number III.B.2.a.xxix (*Recordkeeping*)

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
27S	Raw Coal Silo (RCS1)	Partial Enclosure, and Full Enclosure in Building

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

Raw Coal Silo – 5,500 ton capacity

Manufacturer: NA	**Model number:**	**Serial number:**
Construction date:	**Installation date:** 1978	**Modification date(s):**

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
5,500 ton capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
540 tons/hr	4.8 MM tpy	8,760 hours/year

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

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

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

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

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

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

Stockpile emissions calculated using the emission factors located in the General Permit (G-10C) Spreadsheet.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Facility Wide
For Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv
Conduct Testing as Required – Permit Condition Number III.B.1.a.v
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i.
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i.
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix.
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii
Throughput limits – Permit Condition Number III.B.2.a.xxvii
Fugitive dust control – Permit Condition Number III.B.2.a.xxix

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.)

Facility Wide
For Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv (*Reporting*)
Conduct Testing as Required – Permit Condition Number III.B.1.a.v (*Recordkeeping and Recording*)
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i. (*Recordkeeping*)
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i. (*Reporting*)
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix. (*Visual Inspection and Recordkeeping*)
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi (*Recordkeeping*)
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x (*Visual Inspection and Recordkeeping*)
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii (*Reporting*)
Throughput limits – Permit Condition Number III.B.2.a.xxvii (*Recordkeeping*)
Fugitive dust control – Permit Condition Number III.B.2.a.xxix (*Recordkeeping*)

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
39S	Unpaved Haulroad 1 – UPHR1	Water Truck with Manufactured pressurized sprays

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Unpaved haulroad – 0.67 mile per round trip

Manufacturer: NA	**Model number:**	**Serial number:**
Construction date: NA	**Installation date:** GF (1972)	**Modification date(s):**

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
24 trips/hr and 212,000 trips/yr

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
24 trips	212,000 trips	8,760 hours/year

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

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

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

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter (PM_{10})	31.61	139.63
Total Particulate Matter (TSP)	107.11	473.06
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		

Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY

Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Calculated using emission factors from AP-42 Fifth Edition – 13.2.2 Unpaved Roads, last updated:12/2003

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

UPHR1
Fugitive dust control of particulate matter – Permit Condition Number III.B.2.a.xxx

Facility Wide
For Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv
Conduct Testing as Required – Permit Condition Number III.B.1.a.v
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i.
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i.
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix.
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii
Throughput limits – Permit Condition Number III.B.2.a.xxvii
Fugitive dust control – Permit Condition Number III.B.2.a.xxix

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.)

UPHR1
Fugitive dust control of particulate matter – Permit Condition Number III.B.2.a.xxx (*Recordkeeping*)

Facility Wide
For Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv (*Reporting*)
Conduct Testing as Required – Permit Condition Number III.B.1.a.v (*Recordkeeping and Recording*)
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i. (*Recordkeeping*)
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i. (*Reporting*)
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix. (*Visual Inspection and Recordkeeping*)
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi (*Recordkeeping*)
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x (*Visual Inspection and Recordkeeping*)
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii (*Reporting*)
Throughput limits – Permit Condition Number III.B.2.a.xxvii (*Recordkeeping*)
Fugitive dust control – Permit Condition Number III.B.2.a.xxix (*Recordkeeping*)

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
40S	Unpaved Haulroad 2 – UPHR2	Water Truck with Manufactured pressurized sprays

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Unpaved haulroad – 0.26 mile per round trip

Manufacturer: NA	**Model number:**	**Serial number:**
Construction date: NA	**Installation date:** 1978	**Modification date(s):**

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
24 trips/hr and 212,000 trips/yr

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
24 trips	212,000 trips	8,760 hours/year

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

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

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

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter (PM_{10})	12.27	54.18
Total Particulate Matter (TSP)	41.56	183.58
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		

Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY

Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Calculated using emission factors from AP-42 Fifth Edition – 13.2.2 Unpaved Roads, last updated:12/2003

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

UPHR2
Fugitive dust control of particulate matter – Permit Condition Number III.B.2.a.xxx

Facility Wide
For Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv
Conduct Testing as Required – Permit Condition Number III.B.1.a.v
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i.
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i.
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix.
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii
Throughput limits – Permit Condition Number III.B.2.a.xxvii
Fugitive dust control – Permit Condition Number III.B.2.a.xxix

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.)

UPHR2
Fugitive dust control of particulate matter – Permit Condition Number III.B.2.a.xxx (*Recordkeeping*)

Facility Wide
For Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv (*Reporting*)
Conduct Testing as Required – Permit Condition Number III.B.1.a.v (*Recordkeeping and Recording*)
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i. (*Recordkeeping*)
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i. (*Reporting*)
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix. (*Visual Inspection and Recordkeeping*)
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi (*Recordkeeping*)
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x (*Visual Inspection and Recordkeeping*)
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii (*Reporting*)
Throughput limits – Permit Condition Number III.B.2.a.xxvii (*Recordkeeping*)
Fugitive dust control – Permit Condition Number III.B.2.a.xxix (*Recordkeeping*)

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit.**
41S	Unpaved Haulroad 3 – UPHR3	Water Truck with Manufactured pressurized sprays

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Unpaved haulroad – 5.054 mile per round trip

Manufacturer: NA	**Model number:**	**Serial number:**
Construction date: NA	**Installation date:** 2003	**Modification date(s):**

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
24 trips/hr and 212,000 trips/yr

Maximum Hourly Throughput: 24 trips	**Maximum Annual Throughput:** 212,000 trips	**Maximum Operating Schedule:** 8,760 hours/year

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

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

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

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO_X)		
Lead (Pb)		
Particulate Matter (PM_{10})	238.47	1,053.26
Total Particulate Matter (TSP)	807.94	3,568.42
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		

Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY

Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

Calculated using emission factors from AP-42 Fifth Edition – 13.2.2 Unpaved Roads, last updated:12/2003

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

UPHR3
Fugitive dust control of particulate matter – Permit Condition Number III.B.2.a.xxx

Facility Wide
For Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv
Conduct Testing as Required – Permit Condition Number III.B.1.a.v
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i.
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i.
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix.
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii
Throughput limits – Permit Condition Number III.B.2.a.xxvii
Fugitive dust control – Permit Condition Number III.B.2.a.xxix

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.)

UPHR3
Fugitive dust control of particulate matter – Permit Condition Number III.B.2.a.xxx (*Recordkeeping*)

Facility Wide
For Any Newly Applicable Requirement Notify and Submit Compliance Schedule – Permit Condition Number III.B.1.a.iv (*Reporting*)
Conduct Testing as Required – Permit Condition Number III.B.1.a.v (*Recordkeeping and Recording*)
Objectionable Odor Prohibited – Permit Condition Number III.B.1.b.i. (*Recordkeeping*)
Submit Standby Plan if Requested – Permit Condition Number III.B.2.a.i. (*Reporting*)
<20% opacity of Particulate Matter – Permit Condition Number III.B.2.a.v. and III.B.2.a.ix. (*Visual Inspection and Recordkeeping*)
Operate and maintain Fugitive Dust Control System – Permit Condition Number III.B.2.a.vi (*Recordkeeping*)
Minimize Dust generation – Permit Condition Number III.B.2.a.vii and III.B.2.a.x (*Visual Inspection and Recordkeeping*)
Submit Annual Emission Inventory – Permit Condition Number III.B.2.a.viii and III.B.2.a.xxiii (*Reporting*)
Throughput limits – Permit Condition Number III.B.2.a.xxvii (*Recordkeeping*)
Fugitive dust control – Permit Condition Number III.B.2.a.xxix (*Recordkeeping*)

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

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

ATTACHMENT G

AIR POLLUTION CONTROL DEVICE FORM(S)

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: 0004	**List all emission units associated with this control device.** Thermal Dryer	
Manufacturer: Flex-Kleen	**Model number:** #60	**Installation date:** 01/01/1972 (Mod. 1987)

Type of Air Pollution Control Device:

___ Baghouse/Fabric Filter	_X_ Venturi Scrubber	___ Multiclone
___ Carbon Bed Adsorber	___ Packed Tower Scrubber	___ Single Cyclone
___ Carbon Drum(s)	___Other Wet Scrubber	___ Cyclone Bank
___ Catalytic Incinerator	___ Condenser	___ Settling Chamber
___ Thermal Incinerator	___ Flare	___ Other (describe)
___ Wet Plate Electrostatic Precipitator		___ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	99.25%
Sulfur Dioxide	NA	70%
Nitrogen Oxides	NA	NA

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

Average pressure drop – 28 inches H_20 Average flow rate – 106000.0 ft^3/min
Maximum pressure drop – 32 inches H20 Maximum flow rate – 121000.0 ft3/min
Average Gas temperature – 125.0 degrees F
Average Water Pressure – 7.0 psig

Is this device subject to the CAM requirements of 40 C.F.R. 64? _X_ Yes ___ No

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

Pressure Drop
Gas Temperature
Water Pressure

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: 0003	**List all emission units associated with this control device.** Thermal Dryer	
Manufacturer: Unknown	**Model number:** --	**Installation date:** 1972

Type of Air Pollution Control Device:

___ Baghouse/Fabric Filter ___ Venturi Scrubber _X_ Multiclone

___ Carbon Bed Adsorber ___ Packed Tower Scrubber ___ Single Cyclone

___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank

___ Catalytic Incinerator ___ Condenser ___ Settling Chamber

___ Thermal Incinerator ___ Flare ___ Other (describe) _____

___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate	100%	40%

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

Average pressure drop – 4.34 inches of H_2O

Is this device subject to the CAM requirements of 40 C.F.R. 64? ___Yes _X_ No

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

Pressure Drop
Gas Temperature

ATTACHMENT H

COMPLIANCE ASSURANCE MONITORING PLAN

ATTACHMENT H - Compliance Assurance Monitoring (CAM) Plan Form

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

CAM APPLICABILITY DETERMINATION

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

a. The PSEU is located at a major source that is required to obtain a Title V permit;

b. The PSEU is subject to an emission limitation or standard for the applicable regulated air pollutant that is NOT exempt;

LIST OF EXEMPT EMISSION LIMITATIONS OR STANDARDS:

- NSPS (40 CFR Part 60) or NESHAP (40 CFR Parts 61 and 63) proposed after 11/15/1990.
- Stratospheric Ozone Protection Requirements.
- Acid Rain Program Requirements.
- Emission Limitations or Standards for which a WVDEP Division of Air Quality permit specifies a continuous compliance determination method, as defined in 40 CFR §64.1.
- An emission cap that meets the requirements specified in 40 CFR §70.4(b)(12).

c. The PSEU uses an add-on control device (as defined in 40 CFR §64.1) to achieve compliance with an emission limitation or standard;

d. The PSEU has potential pre-control device emissions of the applicable regulated air pollutant that are equal to or greater than the Title V Major Source Threshold Levels; AND

e. The PSEU is NOT an exempt backup utility power emissions unit that is municipally-owned.

BASIS OF CAM SUBMITTAL

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

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

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

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

3) [a] BACKGROUND DATA AND INFORMATION					
Complete the following table for **all** PSEUs that need to be addressed in this CAM plan submittal. This section is to be used to provide background data and information for each PSEU In order to supplement the submittal requirements specified in 40 CFR §64.4. If additional space is needed, attach and label accordingly.					
PSEU DESIGNATION	DESCRIPTION	POLLUTANT	CONTROL DEVICE	[b] EMISSION LIMITATION or STANDARD	[c] MONITORING REQUIREMENT
TD1	Thermal Dryer	Sulfur Dioxide	Venturi Scrubber	C.S.R § 45-10-4.1. – 2,000 ppm 45CSR13 A.1 - 1.61% Sulfur Content in Coal	Daily Fuel Sampling, Composite, and Analyze Monthly for Sulfur Content
				45 C.S.R. R13-2484A – A.3. Minimum Pressure Drop (23 in. H2O)	Continuously Measure Pressure Drop
				45 C.S.R. R13-2484A – A.3. Scrubber Water Supply Pressure (7.8 psig)	Continuously Monitor Water Pressure
				Heat Input Limit of 80 MMBtu/hr	Continuously Monitor Fuel Usage, Daily Fuel Sampling, and Composite Anaylsis of Fuel Samples.
EXAMPLE Boiler No. 1	Wood-Fired Boiler	PM	Multiclone	45CSR§2-4.1.c.; 9.0 lb/hr	Monitor pressure drop across multiclone: Weekly inspection of multiclone

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

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

[c] Indicate the monitoring requirements for the PSEU that are required by an applicable regulation or permit condition.

CAM MONITORING APPROACH CRITERIA			
Complete this section for **EACH** PSEU that needs to be addressed in this CAM plan submittal. This section may be copied as needed for each PSEU. This section is to be used to provide monitoring data and information for EACH indicator selected for EACH PSEU in order to meet the monitoring design criteria specified in 40 CFR §64.3 and §64.4. if more than two indicators are being selected for a PSEU or if additional space is needed, attach and label accordingly with the appropriate PSEU designation, pollutant, and indicator numbers.			
4a) PSEU Designation: TD1	**4b) Pollutant:** SULFUR DIOXIDE	**4c) [a] Indicator No. 1:** SULFUR DIOXIDE LOADING LIMIT	**4d) [a] Indicator No. 2:** MAXIMUM HEAT INPUT
5a) GENERAL CRITERIA Describe the MONITORING APPROACH used to measure the indicators:		COAL IS SAMPLED DAILY, COMPOSITED, AND ANALYZED MONTHLY FOR SULFUR AND HEAT CONTENT.	FUEL USAGE IS CONTINUOUSLY MONITORED AND FUEL SAMPLES ARE ANALYZED FOR HEAT CONTENT.
[b] Establish the appropriate INDICATOR RANGE or the procedures for establishing the indicator range which provides a reasonable assurance of compliance:		2,000 PPM LIMIT	112 MMBTU/HR
5b) PERFORMANCE CRITERIA Provide the SPECIFICATIONS FOR OBTAINING REPRESENTATIVE DATA, such as detector location, installation specifications, and minimum acceptable accuracy:		500 GRAMS OF COAL WILL BE SAMPLED FROM A POINT WHERE A REPRESENTATIVE SAMPLE CAN BE OBTAINED AND ANALYZED FOR SULFUR CONTENT ACCORDING TO ASTM D3177-84.	FUEL USAGE IS CONTINUOUSLY MEASURED AND COAL SAMPLES ARE ANALYZED FOR HEAT CONTENT.
[c] For new or modified monitoring equipment, provide VERIFICATION PROCEDURES, including manufacturer's recommendations, TO CONFIRM THE OPERATIONAL STATUS of the monitoring:		NA	NA
Provide QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC) PRACTICES that are adequate to ensure the continuing validity of the data, (i.e., daily calibrations, visual inspections, routine maintenance, RATA, etc.):		SAMPLE PREPARATION DONE ACCORDING TO ASTM METHOD D2013-86.	FUEL ANALYSIS IS DONE ACCORDING TO ASTM METHOD D5865.
[d] Provide the MONITORING FREQUENCY:		COAL WILL BE SAMPLED ONCE PER DAY DURING NORMAL OPERATION.	CONTINUOUSLY MONITORED AND TOTAL COAL USED IS RECORDED AT THE END OF EACH DAY.
Provide the DATA COLLECTION PROCEDURES that will be used:		COAL SAMPLES ARE COLLECTED AT A POINT WHERE A REPRESENTATIVE SAMPLE CAN BE OBTAINED. THEY ARE PREPARED ACCORDING TO ASTM METHOD D2013-86	FUEL USAGE IS COMPILED AT THE END OF EACH DAY.
Provide the DATA AVERAGING PERIOD for the purpose of determining whether an excursion or exceedance has occurred:		COAL SAMPLES ARE COMPOSITED MONTHLY	DAILY

[a] Describe all indicators to be monitored which satisfies 40 CFR §64.3(a). Indicators of emission control performance for the control device and associated capture system may include measured or predicted emissions (including visible emissions or opacity), process and control device operating parameters that affect control device (and capture system) efficiency or emission rates, or recorded findings of inspection and maintenance activities.

[b] Indicator Ranges may be based on a single maximum or minimum value or at multiple levels that are relevant to distinctly different operating conditions, expressed as a function of process variables, expressed as maintaining the applicable indicator in a particular operational status or designated condition, or established as interdependent between more than one indicator. For CEMS, COMS, or PEMS, include the most recent certification test for the monitor.

[c] The verification for operational status should include procedures for installation, calibration, and operation of the monitoring equipment, conducted in accordance with the manufacturer's recommendations, necessary to confirm the monitoring equipment is operational prior to the commencement of the required monitoring.

[d] Emission units with post-control PTE ≥ 100 percent of the amount classifying the source as a major source (i.e., Large PSEU) must collect four or more values per hour to be averaged. A reduced data collection frequency may be approved in limited circumstances. Other emission units must collect data at least once per 24 hour period.

CAM MONITORING APPROACH CRITERIA			
Complete this section for **EACH** PSEU that needs to be addressed in this CAM plan submittal. This section may be copied as needed for each PSEU. This section is to be used to provide monitoring data and information for EACH indicator selected for EACH PSEU in order to meet the monitoring design criteria specified in 40 CFR §64.3 and §64.4. if more than two indicators are being selected for a PSEU or if additional space is needed, attach and label accordingly with the appropriate PSEU designation, pollutant, and indicator numbers.			
4a) PSEU Designation: TD1	**4b) Pollutant:** SULFUR DIOXIDE	**4c) [a] Indicator No. 3:** PRESSURE DROP	**4d) [a] Indicator No. 4:** WATER PRESSURE
5a) GENERAL CRITERIA Describe the MONITORING APPROACH used to measure the indicators:		PRESSURE DROP IS CONTINUOUSLY MONITORED	WATER PRESSURE IS CONTINUOUSLY MONITORED.
[b] Establish the appropriate INDICATOR RANGE or the procedures for establishing the indicator range which provides a reasonable assurance of compliance:		AN EXCURSION IS DEFINED AS PRESSURE DROP BELOW 23 INCHES OF H2O.	AN EXCURSION IS DEFINED AS WATER PRESSURE BELOW 7.8 PSI.
5b) PERFORMANCE CRITERIA Provide the SPECIFICATIONS FOR OBTAINING REPRESENTATIVE DATA, such as detector location, installation specifications, and minimum acceptable accuracy:		PRESSURE DROP MEASUREMENTS ARE TAKEN AT THE INLET OF THE SCRUBBER AND AT A LOCATION BETWEEN THE SCRUBBER AND THE MIST ELIMINATOR.	WATER PRESSURE IS RECORDED BEFORE THE SCRUBBER
[c] For new or modified monitoring equipment, provide VERIFICATION PROCEDURES, including manufacturer's recommendations, TO CONFIRM THE OPERATIONAL STATUS of the monitoring:		NA	NA
Provide QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC) PRACTICES that are adequate to ensure the continuing validity of the data, (i.e., daily calibrations, visual inspections, routine maintenance, RATA, etc.):		CALIBRATION PERFORMED ON THE PRESSURE DROP RECORDER/MONITOR IS PERFORMED AS NEEDED BUT AT LEAST ONCE ANNUALLY. PRESSURE DROP IS ACCURATE WITHIN 1 INCH OF H2O.	CALIBRATION PERFORMED ON THE WATER PRESSURE GAUGE IS PERFORMED AS NEEDED BUT AT LEAST ONCE ANNUALLY. THE WATER PRESSURE GAUGE IS ACCURATE TO WITHIN 5%.
[d] Provide the MONITORING FREQUENCY:		PRESSURE DROP MONITORED CONTINUOUSLY.	WATER PRESSURE MONITORED CONTINUOUSLY.
Provide the DATA COLLECTION PROCEDURES that will be used:		CONTINUOUSLY RECORDED BY STRIP CHART AND MANUALLY RECORDED ONCE EVERY 12 HOURS.	CONTINUOUSLY RECORDED BY STRIP CHART AND MANUALLY RECORDED ONCE EVERY 12 HOURS.
Provide the DATA AVERAGING PERIOD for the purpose of determining whether an excursion or exceedance has occurred:		3-HOUR ROLLING AVERAGE	3-HOUR ROLLING AVERAGE

[a] Describe all indicators to be monitored which satisfies 40 CFR §64.3(a). Indicators of emission control performance for the control device and associated capture system may include measured or predicted emissions (including visible emissions or opacity), process and control device operating parameters that affect control device (and capture system) efficiency or emission rates, or recorded findings of inspection and maintenance activities.

[b] Indicator Ranges may be based on a single maximum or minimum value or at multiple levels that are relevant to distinctly different operating conditions, expressed as a function of process variables, expressed as maintaining the applicable indicator in a particular operational status or designated condition, or established as interdependent between more than one indicator. For CEMS, COMS, or PEMS, include the most recent certification test for the monitor.

[c] The verification for operational status should include procedures for installation, calibration, and operation of the monitoring equipment, conducted in accordance with the manufacturer's recommendations, necessary to confirm the monitoring equipment is operational prior to the commencement of the required monitoring.

[d] Emission units with post-control PTE ≥ 100 percent of the amount classifying the source as a major source (i.e., Large PSEU) must collect four or more values per hour to be averaged. A reduced data collection frequency may be approved in limited circumstances. Other emission units must collect data at least once per 24 hour period.

RATIONALE AND JUSTIFICATION

Complete this section for **EACH** PSEU that needs to be addressed in this CAM plan submittal. This section may be copied as needed for each PSEU. This section is to be used to provide rationale and justification for the selection of EACH indicator and monitoring approach and EACH indicator range in order to meet the submittal requirements specified in 40 CFR §64.4.

6a) PSEU Designation:	6b) Regulated Air Pollutant:
TD	SULFUR DIOXIDE

7) **INDICATORS AND THE MONITORING APPROACH**: Provide the rationale and justification for the selection of the indicators and the monitoring approach used to measure the indicators. Also provide any data supporting the rationale and justification. Explain the reasons for any differences between the verification of operational status or the quality assurance and control practices proposed, and the manufacturer's recommendations. (If additional space is needed, attach and label accordingly with the appropriate PSEU designation and pollutant):

Coal sampling and analysis of SO2 content along with determining the amount of coal burned is a sufficient way to determine SO2 emissions for this unit. By knowing the concentration of SO2 in the coal and the fuel usage a simple calculation can be performed to determine compliance. Pressure drop and scrubber water supply pressure monitoring effectivly indicates the scrubber is operating properly.

8) **INDICATOR RANGES**: Provide the rationale and justification for the selection of the indicator ranges. The rationale and justification shall indicate how **EACH** indicator range was selected by either a COMPLIANCE OR PERFORMANCE TEST, a TEST PLAN AND SCHEDULE, or by ENGINEERING ASSESSMENTS. Depending on which method is being used for each indicator range, include the specific information required below for that specific indicator range. (If additional space is needed, attach and label accordingly with the appropriate PSEU designation and pollutant):

- COMPLIANCE OR PERFORMANCE TEST (Indicator ranges determined from control device operating parameter data obtained during a compliance or performance test conducted under regulatory specified conditions or under conditions representative of maximum potential emissions under anticipated operating conditions. Such data may be supplemented by engineering assessments and manufacturer's recommendations). The rationale and justification shall INCLUDE a summary of the compliance or performance test results that were used to determine the indicator range, and documentation indicating that no changes have taken place that could result in a significant change in the control system performance or the selected indicator ranges since the compliance or performance test was conducted.
- TEST PLAN AND SCHEDULE (Indicator ranges will be determined from a proposed implementation plan and schedule for installing, testing, and performing any other appropriate activities prior to use of the monitoring). The rationale and justification shall INCLUDE the proposed implementation plan and schedule that will provide for use of the monitoring as expeditiously as practicable after approval of this CAM plan, except that in no case shall the schedule for completing installation and beginning operation of the monitoring exceed 180 days after approval.
- ENGINEERING ASSESSMENTS (Indicator Ranges or the procedures for establishing indicator ranges are determined from engineering assessments and other data, such as manufacturers' design criteria and historical monitoring data, because factors specific to the type of monitoring, control device, or PSEU make compliance or performance testing unnecessary). The rationale and justification shall INCLUDE documentation demonstrating that compliance testing is not required to establish the indicator range.

RATIONALE AND JUSTIFICATION:

Fuel throughput and heat content records will be used to indicate compliance with established parameter of 80 MMBtu/hr. This indicator range is the design heat input rating.

Scrubber water supply pressure (7.8 psig minimum) and pressure drop (23 in. of H2O minimum) will be monitored continuously verifying the proper operation of the scrubber. These operating parameters were established following the stack test in 2005 with the issuance of the Permit R13-2484A.

No parametric monitoring is needed to show compliance with the 2,000 ppmv standard for the thermal dryer. The coal burned in the facility's thermal dryer must have a minimum sulfur content of 17.84% to exceed this standard. The Reg 13 Sulfur limit for the facility is 1.61%.

APPENDIX

CALCULATIONS

SUMMARY OF POTENTIAL TO EMIT

	TPH	TPY
Raw Coal	Variable	
Truck Dump No. 1&2 to RB1	1,200	
Rotary Breaker To Silo	540	5,300,000
Silo to Plant Feed	600	
Clean Coal	640	5,200,000
Refuse	294	2,600,000
Dried Clean Coal	320	2,600,000

Point ID	Source	Pollutant	Uncontrolled Emissions (LB/HR)	Uncontrolled Emissions (TPY)	Controlled Emissions (LB/HR)	Controlled Emissions (TPY)
001	Transfer Points	Particulate	10.99	41.67	3.53	13.59
002	Crushing	Particulate	12.00	53.00	2.40	10.60
003	Screening	Particulate	-	-	-	-
004	Open Stockpiles	Particulate	0.81	3.53	0.81	3.53
005	Haulroads	Particulate	970.91	4,287.64	242.73	1,071.91
006	Thermal Dryer	Particulate	8,320	36,442	54.40	238.27
006	Thermal Dryer	HAP's-Metals (PM)	8.24	36.07	1.89	8.29
		Facility Total PM :	9,323	40,864	305.76	1,346.19

Point ID	Source	Pollutant	Uncontrolled Emissions (LB/HR)	Uncontrolled Emissions (TPY)	Controlled Emissions (LB/HR)	Controlled Emissions (TPY)	PM-10 portion[1]
001	Transfer Points	PM-10	5.21	19.72	1.69	6.41	47%
002	Crushing	PM-10	5.68	25.07	1.14	5.01	47%
003	Screening	PM-10	-	-	-	-	47%
004	Open Stockpiles	PM-10	0.38	1.67	0.38	1.67	47%
005	Haulroads	PM-10	286.07	1,263.34	71.52	315.84	26%
006	Thermal Dryer	PM-10	4,160	18,221	27.20	119.14	50%
		Facility Total PM_{10} :	4,457	19,531	101.93	448.06	

THERMAL DRYER EMISSION - OTHER THAN PARTICULATE

Point ID	Source	Pollutant	Uncontrolled Emissions (LB/HR)	Uncontrolled Emissions (TPY)	Control Efficiency (LB/DAY)	Control Efficiency (%)	Controlled Emissions (LB/HR)	Controlled Emissions (TPY)
006	Thermal Dryer	Carbon Monoxide	18.01	78.84	432.0	0.00	18.01	78.84
006	Thermal Dryer	Sulfur Dioxide	448.07	1,962.25	10,752	70.00	134.42	588.68
006	Thermal Dryer	Nitrogen Oxides	46.10	224.26	1,229	10.00	46.10	201.83
006	Thermal Dryer	VOC	31.36	137.36	752.6	-	31.36	137.36
006	Thermal Dryer	HAP's-Organics	8.24	36.07	197.6	77.01	1.89	8.29

NOTES:

1 - PER AP-42 PARTICLE SIZE MULTIPLIERS AND WVDEP-DAQ G10-B GUIDANCE.

Project No: 06-125-12
By: JMC
Date: 01-10-07

Title V Renewal
East Gulf Preparation Plant

Checked by: JFJ
Date: 01-18-07

TRANSFER POINTS:

Defining empirical expression variables, where:

	Raw coal	Clean Coal	Refuse	TD-Ash	
e =	?	?	?	?	lb/ton
k =	0.74	0.74	0.74	0.74	dimensionless
U =	7	7	7	7	mph
M =	7	6.75	10	3	%

Calculating transfer point emission factor using AP42 Equation 13.2.4 $e=k(0.0032)((U/5)1.3/(M/2)1.4)$

e =	**0.0006**	**0.0007**	**0.0004**	**0.0021**	**lb/ton**

				Maximum Throughput		Control		Emission Factor	TSP Uncontrolled Emissions		TSP Controlled Emissions		PM10 Uncontrolled Emissions		PM10 Controlled Emissions	
Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	(TPH)	(TPY)	Device	Eff. (%)	(LB/TON)	(LB/HR)	(TPY)	(LB/HR)	(TPY)	(LB/HR)	(TPY)	(LB/HR)	(TPY)
T1	26S and 40S	Raw Coal Truck Dum No.2 and Haulroad No. 2 to Raw Coal Truck Dump No. 2	1978	600	5,300,000	MC	0	0.0006	0.36	1.59	0.36	1.59	0.17	0.75	0.17	0.75
T2	26S and 1S	Raw Coal Truck Dum No.3 and Raw coal Conveyor No. 1	1978	600	5,300,000	FE	80	0.0006	0.36	1.59	0.07	0.32	0.17	0.75	0.03	0.15
T3	24s,1S, and 5S	Prep. Plant Rotary Breaker, Raw Lcoal Conveyor No. 1, and Raw Coal Conveyor No. 5	1978	600	5,300,000	PE	50	0.0006	0.36	1.59	0.18	0.80	0.17	0.75	0.09	0.38
T4	24s and 2S	Prep. Plant Rotary Breaker and Raw Lcoal Conveyor No. 2	1978	540	4,770,000	FE/FE	96	0.0006	0.32	1.43	0.01	0.06	0.15	0.68	0.00	0.03
T5	2S and 27S	Raw Coal Conveyor No. 2 and Raw Coal Silo	1978	540	4,770,000	PE	50	0.0006	0.32	1.43	0.16	0.72	0.15	0.68	0.08	0.34
T6	3S and 27S	Raw Coal Conveyor No. 3 and Raw Coal Silo	1978	600	4,700,000	FE/FE	96	0.0006	0.36	1.41	0.01	0.06	0.17	0.67	0.00	0.03
T7	3S	Raw Coal Conveyor No. 3	1978	600	4,700,000	PE/FE	90	0.0006	0.36	1.41	0.04	0.14	0.17	0.67	0.02	0.07
T8	25S, 39S and 41S	Raw Coal Truck Dump No.1, Haulroad No. 1 to Raw Coal Truck Dump No. 1, and Haulroad No. 3 to Raw Coal Truck Dump No. 1	GF(1972), GF(1978) and 2003	600	5,300,000	MC	0	0.0006	0.36	1.59	0.36	1.59	0.17	0.75	0.17	0.75
T9	25S and 4S	Raw Coal Truck Dump No.1 and Raw Coal Conveyor No. 4	GF(1972)	600	5,300,000	PE/PE	75	0.0006	0.36	1.59	0.09	0.40	0.17	0.75	0.04	0.19
T10	36S	Railcar Unloading Facility	Proposed	600	5,300,000	MC/PE	50	0.0006	0.36	1.59	0.18	0.80	0.17	0.75	0.09	0.38
T11	36S and 33S	Railcar Unloading Facility and Raw Coal Conveyor No.6	Proposed	600	5,300,000	FE/PE	90	0.0006	0.36	1.59	0.04	0.16	0.17	0.75	0.02	0.08
T12	36S and 33S	Railcar Unloading Facility and Raw Coal Conveyor No.6	Proposed	600	5,300,000	PE	50	0.0006	0.36	1.59	0.18	0.80	0.17	0.75	0.09	0.38
T13	4S and 5S	Raw Coal Conveyor No.4 and Raw Coal Conveyor No. 5	GF(1972) and 1978	600	5,300,000	PE/FE	90	0.0006	0.36	1.59	0.04	0.16	0.17	0.75	0.02	0.08
T14	6S	Refuse Conveyor No.1	1986	294	2,597,000	PE/FE	90	0.0004	0.12	0.52	0.01	0.05	0.06	0.25	0.00	0.02
T15	6S, 26S and 28S	Refuse Conveyor No.1, Raw Coal Truck Dump No. 2, and Refuse Bin No. 1	1986 and 1978	294	2,597,000	FE/FE	96	0.0004	0.12	0.52	0.00	0.02	0.06	0.25	0.00	0.01
T16	7S and 28S	Refuse Conveyor No.2 and Refuse Bin No. 1	1986 and 1978	294	2,597,000	FE/FE	96	0.0004	0.12	0.52	0.00	0.02	0.06	0.25	0.00	0.01
T17	32S	Endloader Feeder No. 1	1978	10	30,000	MC	0	0.0021	0.02	0.03	0.02	0.03	0.01	0.01	0.01	0.01
T18	32S	Endloader Feeder No.1	1978	10	30,000	PE	50	0.0021	0.02	0.03	0.01	0.02	0.01	0.01	0.00	0.01
T19	7S and 8S	Refuse Conveyor No.2, and	1986	294	2,597,000	PE	50	0.0004	0.12	0.52	0.06	0.26	0.06	0.25	0.03	0.12
T20	8S and 9S	Refuse Conveyor No.3 and Refuse Conveyor No.4	1986	294	2,597,000	PE	50	0.0004	0.12	0.52	0.06	0.26	0.06	0.25	0.03	0.12
T21	9S and 10S	Refuse Conveyor No.4 and Refuse Conveyor No.5	1986	294	2,597,000	PE	50	0.0004	0.12	0.52	0.06	0.26	0.06	0.25	0.03	0.12
T22	10S and 11S	Refuse Conveyor No.5 and Refuse Conveyor No.6	1986 and 1986 (Mod. 2001)	294	2,597,000	PE	50	0.0004	0.12	0.52	0.06	0.26	0.06	0.25	0.03	0.12
T23	11S and 12S	Refuse Conveyor No.6 and Refuse Conveyor No.7	1986 (Mod. 2001)	294	2,597,000	PE	50	0.0004	0.12	0.52	0.06	0.26	0.06	0.25	0.03	0.12

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TRANSFER POINTS:

Defining empirical expression variables, where:

	Raw coal	Clean Coal	Refuse	TD-Ash	
e =	?	?	?	?	lb/ton
k =	0.74	0.74	0.74	0.74	dimensionless
U =	7	7	7	7	mph
M =	7	6.75	10	3	%

Calculating transfer point emission factor using AP42 Equation 13.2.4 e=k(0.0032)((U/5)1.3/(M/2)1.4)

e =	**0.0006**	**0.0007**	**0.0004**	**0.0021**	**lb/ton**

				Maximum Throughput		Control		Emission Factor	TSP				PM10			
									Uncontrolled Emissions		Controlled Emissions		Uncontrolled Emissions		Controlled Emissions	
Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	(TPH)	(TPY)	Device	Eff. (%)	(LB/TON)	(LB/HR)	(TPY)	(LB/HR)	(TPY)	(LB/HR)	(TPY)	(LB/HR)	(TPY)
T24	12S and 13S	Refuse Conveyor No. 7 and Refuse Conveyor No.8	1986 (Mod. 2001) and No.8 is proposed	294	2,597,000	PE	50	0.0004	0.12	0.52	0.06	0.26	0.06	0.25	0.03	0.12
T25	13S and 14S	Refuse Conveyor No.8 and Refuse Conveyor No.9	Proposed	294	2,597,000	PE	50	0.0004	0.12	0.52	0.06	0.26	0.06	0.25	0.03	0.12
T26	14S and 15S	Refuse Conveyor No. 9 and Refuse Conveyor No.10	Proposed	294	2,597,000	PE	50	0.0004	0.12	0.52	0.06	0.26	0.06	0.25	0.03	0.12
T27	15S and 16S	Refuse Conveyor No. 10 and Refuse Conveyor No. 11	Proposed	294	2,597,000	PE	50	0.0004	0.12	0.52	0.06	0.26	0.06	0.25	0.03	0.12
T28	16S and 34S	Refuse Conveyor No. 11 and Refuse Conveyor No. 12,	Proposed	294	2,597,000	PE	50	0.0004	0.12	0.52	0.06	0.26	0.06	0.25	0.03	0.12
T29	34S, and 35S	Refuse Conveyor No. 12, and Refuse Conveyor No. 13	Proposed	294	2,597,000	PE	50	0.0004	0.12	0.52	0.06	0.26	0.06	0.25	0.03	0.12
T30	17S and 35S	Refuse Stacking Conveyor No. 14 and Refuse Conveyor No. 14	1986 (Mod. 2001) and No. 14 is proposed	294	2,597,000	PE	50	0.0004	0.12	0.52	0.06	0.26	0.06	0.25	0.03	0.12
T31	17S	Refuse Stacking Conveyor No. 14	1986 (Mod. 2001)	294	2,597,000	MC	0	0.0004	0.12	0.52	0.12	0.52	0.06	0.25	0.06	0.25
T32	18S	Clean Coal Conveyor No. 1	GF (1972)	320	2,597,000	PE/FE	90	0.0007	0.22	0.91	0.02	0.09	0.10	0.43	0.01	0.04
T33	31S, 18S and 37S	Thermal Dryer, Clean Coal Conveyor No.1, and Clean Coal Conveyor No. 1A	1972 (Mod. '82-90), GF (1972) and 1972	320	2,597,000	PE/FE	90	0.0007	0.22	0.91	0.02	0.09	0.10	0.43	0.01	0.04
T34	31S and 37S	Thermal Dryer and Clean Coal Conveyor No. 1A	1972 (Mod. '82-90) and 1972	3	26,280	FE	80	0.0007	0.00	0.01	0.00	-	0.00	0.00	0.00	0.00
T35	31S and 20S	Thermal Dryer and Clean Coal Conveyor No. 3	1972 (Mod. '82-90) and GF (1972)	300	2,597,000	FE	80	0.0007	0.21	0.91	0.04	0.18	0.10	0.43	0.02	0.09
T36	31S and 19S	Thermal Dryer and Clean Coal Conveyor No. 2	1972 (Mod. '82-90) and GF (1972)	300	2,597,000	FE	80	0.0007	0.21	0.91	0.04	0.18	0.10	0.43	0.02	0.09
T37	19S and 20S	Clean Coal Conveyor No. 2 and Clean Coal Conveyor No.3	GF (1972)	300	2,597,000	FE	80	0.0007	0.21	0.91	0.04	0.18	0.10	0.43	0.02	0.09
T38	20S and 23S	Clean Coal Conveyor No. 2 and Clean Coal Reversing Conveyor No. 6	GF(1972) and 1983	320	2,597,000	PE/FE	90	0.0007	0.22	0.91	0.02	0.09	0.10	0.43	0.01	0.04
T39	23S and 29S	Clean Coal Reversing Conveyor No. 6 and Clean Coal Loadout Bin No.1	1983 and 1972	800	3,710,000	PE/FE	90	0.0007	0.56	1.30	0.06	0.13	0.26	0.61	0.03	0.06
T40	21S and 23S	Clean Coal Conveyor No. 4 and Clean Coal Reversing Conveyor No.6	1983	130	1,113,000	PE/FE	90	0.0007	0.09	0.39	0.01	0.04	0.04	0.18	0.00	0.02
T41	21S and 23S	Clean Coal Conveyor No. 4 and Clean Coal Reversing Conveyor No.6	1983	300	2,597,000	FE/FE	96	0.0007	0.21	0.91	0.01	0.04	0.10	0.43	0.00	0.02

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TRANSFER POINTS:

Defining empirical expression variables, where:

	Raw coal	Clean Coal	Refuse	TD-Ash	
e =	?	?	?	?	lb/ton
k =	0.74	0.74	0.74	0.74	dimensionless
U =	7	7	7	7	mph
M =	7	6.75	10	3	%

Calculating transfer point emission factor using AP42 Equation 13.2.4

e=k(0.0032)((U/5)1.3/(M/2)1.4)

e =	**0.0006**	**0.0007**	**0.0004**	**0.0021**	**lb/ton**

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Maximum Throughput (TPH)	Maximum Throughput (TPY)	Control Device	Control Eff. (%)	Emission Factor (LB/TON)	TSP Uncontrolled Emissions (LB/HR)	TSP Uncontrolled Emissions (TPY)	TSP Controlled Emissions (LB/HR)	TSP Controlled Emissions (TPY)	PM10 Uncontrolled Emissions (LB/HR)	PM10 Uncontrolled Emissions (TPY)	PM10 Controlled Emissions (LB/HR)	PM10 Controlled Emissions (TPY)
T42	21S and 30S	Clean Coal Conveyor No. 4 and Clean Coal Open Stockpile No. 1 with Stacking Tube	1983	430	3,710,000	PE	50	0.0007	0.30	1.30	0.15	0.65	0.14	0.61	0.07	0.31
T43	30S	Emergency Wet Clean Out	1983	430	74,000	MC	0	0.0007	0.30	0.03	0.30	0.03	0.14	0.01	0.14	0.01
T44	22S and 30S	Clean Coal Conbeyor No. 5 and Clean Coal Open Stockpile No.1 with Stacking Tube	1983	800	3,710,000	FE/PE	90	0.0007	0.56	1.30	0.06	0.13	0.26	0.61	0.03	0.06
T45	22S and 23S	Clean Coal Conveyor No.5 and Clean Coal Reversing Conveyor No. 6	1983	800	3,710,000	FE/FE	96	0.0007	0.56	1.30	0.02	0.05	0.26	0.61	0.01	0.02
T46	29S and 38S	Clean Coal Laodout Bin No. 1 and Preparation Plant	1972 and GF(1972)	800	3,710,000	TC	75	0.0007	0.56	1.30	0.14	0.33	0.26	0.61	0.07	0.16

TSP Uncontrolled		TSP Controlled		PM10 Uncontrolled		PM10 Controlled	
10.99	41.67	3.53	13.59	5.21	19.72	1.69	6.41

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CRUSHING OPERATIONS:

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	TONS PROCESSED (TPH)	TONS PROCESSED (TPY)	Control Device	Control Eff. %	EMISSION FACTOR (LBS/TON PROCESSED)	TSP Uncontrolled Emissions (LB/HR)	TSP Uncontrolled Emissions (TPY)	TSP Controlled Emissions (LB/HR)	TSP Controlled Emissions (TPY)	PM10 Uncontrolled Emissions (LB/HR)	PM10 Uncontrolled Emissions (TPY)	PM10 Controlled Emissions (LB/HR)	PM10 Controlled Emissions (TPY)
24S	RB-1	Rotary Breaker	1978	600	5,300,000	FE	80	0.02	12.00	53.00	2.40	10.60	5.68	25.07	1.14	5.01

Uncontrolled		**Controlled**		**Uncontrolled**		**Controlled**	
12.00	53.00	2.40	10.60	5.68	25.07	1.14	5.01

SCREEN OPERATIONS:

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	TONS PROCESSED (TPH)	TONS PROCESSED (TPY)	Control Device	Control Eff. %	EMISSION FACTOR (LBS/TON PROCESSED)	TSP Uncontrolled Emissions (LB/HR)	TSP Uncontrolled Emissions (TPY)	TSP Controlled Emissions (LB/HR)	TSP Controlled Emissions (TPY)	PM10 Uncontrolled Emissions (LB/HR)	PM10 Uncontrolled Emissions (TPY)	PM10 Controlled Emissions (LB/HR)	PM10 Controlled Emissions (TPY)
									-	-	-	-	-	-	-	-
									-	-	-	-	-	-	-	-

Uncontrolled		**Controlled**		**Uncontrolled**		**Controlled**	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

* - This is a stationary bar grate, and is modeled as a transfer point per WVDEP-DAQ guidance.

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OPEN STOCKPILES

Defining empirical expression variables, where:

	Raw Coal	Clean Coal	Refuse	Lime	
e =		?			lb/day/acre
s =		7			%
p =		157			days
f =		15			%

Calculating open stockpile emission factor using G10-C guidance

e = 1.7 X (s/1.5) X ((365-p)/235) X (f/15)

e =	**0.00**	**7.02**	**0.00**	**0.00**	lb/day/acre			

									TSP				PM10			
Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Storage Capacity (tons)	Base Area (SQ FT)	Control Device ID	Eff. (%)	EMISSION FACTOR (LB/DY/AC.)	Uncontrolled Emissions (LB/HR)	(TPY)	Controlled Emissions (LB/HR)	(TPY)	Uncontrolled Emissions (LB/HR)	(TPY)	Controlled Emissions (LB/HR)	(TPY)
CCOS-1	30S	Clean Coal Open Stockpile No. 1 with Stacking Tube	1983	150,000	120,000	MC	0.00	7.02	0.81	3.53	0.81	3.53	0.38	1.67	0.38	1.67
									Uncontrolled		**Controlled**		**Uncontrolled**		**Controlled**	
								Totals:	**0.81**	**3.53**	**0.81**	**3.53**	**0.38**	**1.67**	**0.38**	**1.67**

GF = Grandfathered under Regualtion 13.

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UNPAVED HAULROAD

Defining empirical expression variables, where:

	Raw Coal(PM)	Raw Coal(PM10)	Endloader	
e =	?	?	?	lb/VMT
k =	4.9	1.5	4.9	PM > 30um
s =	10	10	10	%
W =	27.5	27.5	150	tons
p =	157	157	157	days

	PM	PM-10	PM-2.5
a =	0.7	0.9	0.9
b =	0.45	0.45	0.45
c =	-	-	-

Source: *AP-42 Fifth Edition – 13.2.2 Unpaved Roads,* last updated:12/2003

$e = [k \times (s \div 12)^a \times (W \div 3)^b] \times ((365 - p) \div 365)$

e =	6.66	1.97	14.29	lb/VMT

ID No.	TRIPS PER HOUR	TRIPS PER YEAR	VMT PER Trip	PM EMISSION FACTOR (LB/VMT)	CONTROL DEVICE	CONTROL EFFICIENCY (%)	TSP Uncontrolled Emissions (LB/HR)	TSP Uncontrolled Emissions (TPY)	TSP Controlled Emissions (LB/HR)	TSP Controlled Emissions (TPY)	PM10 Uncontrolled Emissions (LB/HR)	PM10 Uncontrolled Emissions (TPY)	PM10 Controlled Emissions (LB/HR)	PM10 Controlled Emissions (TPY)
UPR1	24	212,000	0.67	6.66	RWMW	75	107.11	473.06	26.78	118.26	31.61	139.63	7.90	34.91
UPR2	24	212,000	0.26	6.66	RWMW	75	41.56	183.58	10.39	45.89	12.27	54.18	3.07	13.55
UPR3	24	212,000	5.054	6.66	RWMW	75	807.94	3,568.42	201.99	892.10	238.47	1,053.26	59.62	263.31
Endloader/ Dozer	1	8,760	1	14.29	RWMW	75	14.29	62.59	3.57	15.65	3.72	16.27	0.93	4.07

TSP UNCONTROLLED		TSP CONTROLLED		PM10 UNCONTROLLED		PM10 CONTROLLED	
970.91	4,287.64	242.73	1,071.91	286.07	1,263.34	71.52	315.84

	Raw Coal
Tons per Truck (tons)=	25
Truck Weight (tons)=	15
Avg.Truck Travel Weight (tons)=	27.5
Trucked Yearly Tonnage (tpy) =	5,300,000
Number of Trucks per Year =	212,000
Maximum Tons per Hour =	600
Number of Trucks per Hour =	24

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PAVED HAULROAD

Defining empirical expression variables, where:

Lime handling

0 e = particulate emission factor (having units matching the units of k)
0 k = base emission factor for particle size range and units of interest
0 sL = road surface silt loading
0 W = vechile weight
0 P=mean number of days with >0.01 inch or more of precipatation per year
0 N= number of days in averaging period

Calculating paved haulroads emission factor using AP42 Equation 13.21 E = k * [sL/2]^0.65 * [W/3]^1.5 * [1 - (P / (4*N)] = lb / Vehicle Mile Traveled (VMT)

e = #DIV/0! lb/VMT

SOURCE ID NO.	A.S.N.	TRIPS PER HOUR	TRIPS PER YEAR	VMT PER TRIP	EMISSION FACTOR (LB/VMT)	CONTROL DEVICE	CONTROL EFFICIENCY (%)	TSP Uncontrolled Emissions (LB/HR)	TSP Uncontrolled Emissions (TPY)	TSP Controlled Emissions (LB/HR)	TSP Controlled Emissions (TPY)	PM10 Uncontrolled Emissions (LB/HR)	PM10 Uncontrolled Emissions (TPY)	PM10 Controlled Emissions (LB/HR)	PM10 Controlled Emissions (TPY)
								0.00	0.00	0	0.00	0.00	0.00	0.00	0.00

UNCONTROLLED		CONTROLLED		UNCONTROLLED		CONTROLLED	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Tons per Truck (tons)=
Truck Weight (tons)=
Avg.Truck Travel Weight (tons)=
Trucked Yearly Tonnage (tpy) =
Number of Trucks per Year =
Number of Trucks per Hour =

THERMAL DRYER - COAL DRIED FROM WASH PROCESS + PRODUCTS OF COMBUSTION

SOURCE ID NO.	A.S.N.	THERMAL DRYER POLLUTANT	EMISSION FACTOR[2] (LB/TON)	MAX. DRYER FEED RATE (LB/HR)	(TON/YR)	Uncontrolled Emissions (LB/HR)	(TPY)	Control Device	Eff. (%)	Controlled Emissions (LB/HR)	(TPY)
31S	TD1	Particulate (Uncontrolled)	26.00	640,000	2,803,200	8,320	36,442	--	--	--	--
		Particulate (Controlled)	0.17	640,000	2,803,200	54	238	MCS/WSS	--	54.40	238.27
		Sulfur Dioxide	1.40	640,000	2,803,200	448	1,962	WSS	70	134.40	588.67
		Nitrogen Oxides	0.16	640,000	2,803,200	51.20	224.26	WSS	10	46.08	201.83
		VOC	0.10	640,000	2,803,200	31.36	137.36	WSS	0	31.36	137.36

THERMAL DRYER - PRODUCTS OF COMBUSTION

SOURCE ID NO.	A.S.N.	THERMAL DRYER POLLUTANT	EMISSION FACTOR[3] (LB/TON)	MAX. DRYER BURN RATE (LB/HR)	(TON/YR)	Uncontrolled Emissions (LB/HR)	(TPY)	Control Device	Eff. (%)	Controlled Emissions (LB/HR)	(TPY)
COAL											
31S	TD1	CO	6.00	6,000	26,280	18.00	78.84	MC+WS	0	18.00	78.84
SOURCE ID NO.	A.S.N.	THERMAL DRYER POLLUTANT	EMISSION FACTOR (LB/10^3 GAL)	MAX. DRYER BURN RATE (10^3-Gal/HR)	(10^3-Gal/YR)	Uncontrolled Emissions (LB/HR)	(TPY)	Control Device	Eff. (%)	Controlled Emissions (LB/HR)	(TPY)
Distillate Oil											
31S	TD1	CO	5.00	0.001	0.330	0.005	0.001	MC+WS	0	0.005	0.0008
		SO_2	71.00	0.001	0.330	0.071	0.012	MC+WS	70	0.021	0.0035
		NOx	20.00	0.001	0.330	0.020	0.003	MC+WS	10	0.018	0.0030
		PM	2.00	0.001	0.330	0.002	0.0003	MC+WS	99.55	9.00E-06	1.49E-06
		VOC	0.556	0.001	0.330	0.0006	0.0001	MC+WS	0	0.0006	0.0001

WORST CASE EMISSIONS

	UNCONTROLLED (LB/HR)	CONTROLLED (LB/HR)	UNCONTROLLED (TPY)	CONTROLLED (TPY)
Particulate	8,320	54.40	36,442	238.27
CO	18.01	18.01	78.84	78.84
SO2	448.07	134.42	1,962.25	588.68
NOx	51.22	46.10	224.26	201.83
VOC	31.36	31.36	137.36	137.36

Notes:

1. The overall particulate collection efficiency is based on an efficiency of 40% for the cyclone system and an efficiency of 99.25% for the wet scrubber system (100*40% + 60*99.25% = 99.55%).

2. Particulate, sulfur dioxide, nitrogen oxides, volatile organic compound, and carbon dioxide emissions factors are based on the amount of coal dried in the thermal dryer. (AP-42 - Table 11.10-1 & 11.10-2 (11/'95)).

3. The carbon monoxide emission factor is based on the amount of coal/nat. gas burned in the thermal dryer (AP-42 Table 1.4-1 and 1.4-2 (7/'98)). Factors are converted to mcf due to gas usage is in mcf.
GF = Grandfathered under Regulation 13.

4. Natural gas burner information:

There are two burners rated at	6	mmBtu/hr each
Heat content	1,020	Btu/ft^3
Total capacity	11,765	ft^3/hr
	103,058,824	ft^3/yr

HAZARDOUS AIR POLLUTANTS
Volatile Organic Compounds - Coal Burned in Dryer

C.A.S. No.	Pollutant	Emission Factors1 (LB/Ton)	Dryer Burn Rate (lbs/Hr)	Dryer Burn Rate (TON/YR)	Potential Emissions (Lb /Hr)	Potential Emissions (Tons/Yr)	Control Efficiency (%)	Controlled Emissions (lbs/Hr)	Controlled Emissions (Tons/Yr)
75070	Acetaldehyde	5.70E-04	6,000	26,280	0.00171	0.00749	-	0.00171	0.00749
98862	Acetohenone	1.50E-05	6,000	26,280	0.00005	0.00020	-	0.00005	0.00020
107028	Acrolein	2.90E-04	6,000	26,280	0.00087	0.00381	-	0.00087	0.00381
71432	Benzene	1.30E-03	6,000	26,280	0.00390	0.01708	-	0.00390	0.01708
100447	Benzyl Chloride	7.00E-04	6,000	26,280	0.00210	0.00920	-	0.00210	0.00920
75252	Bromoform	3.90E-05	6,000	26,280	0.00012	0.00051	-	0.00012	0.00051
75150	Carbon Disulfide	1.30E-04	6,000	26,280	0.00039	0.00171	-	0.00039	0.00171
532274	2-Chloroacetophenone	7.00E-06	6,000	26,280	0.00002	0.00009	-	0.00002	0.00009
108907	Chlorobenzene	2.20E-05	6,000	26,280	0.00007	0.00029	-	0.00007	0.00029
67663	Chloroform	5.90E-05	6,000	26,280	0.00018	0.00078	-	0.00018	0.00078
98828	Cumene	5.30E-05	6,000	26,280	0.00016	0.00070	-	0.00016	0.00070
121142	2,4-Dinitrotoluene	2.80E-07	6,000	26,280	8.40E-07	3.68E-06	-	8.40E-07	3.68E-06
77781	Dimethyl Sulfate	4.80E-05	6,000	26,280	0.00014	0.00063	-	0.00014	0.00063
100414	Ethyl Benzene	9.40E-05	6,000	26,280	0.00028	0.00124	-	0.00028	0.00124
50000	Formaldehyde	2.40E-04	6,000	26,280	0.00072	0.00315	-	0.00072	0.00315
110543	Hexane	6.70E-05	6,000	26,280	0.00020	0.00088	-	0.00020	0.00088
78933	Methyl Ethyl Ketone	3.90E-04	6,000	26,280	0.00117	0.00512	-	0.00117	0.00512
60344	Methyl Hydrazine	1.70E-04	6,000	26,280	0.00051	0.00223	-	0.00051	0.00223
80626	Methyl Methacrylate	2.00E-05	6,000	26,280	0.00006	0.00026	-	0.00006	0.00026
75092	Mehylene Chloride	2.90E-04	6,000	26,280	0.00087	0.00381	-	0.00087	0.00381
108952	Phenol	1.60E-05	6,000	26,280	0.00005	0.00021	-	0.00005	0.00021
123386	Propionaldehyde	3.80E-04	6,000	26,280	0.00114	0.00499	-	0.00114	0.00499
127184	Tetrachloroethylene	4.30E-05	6,000	26,280	0.00013	0.00057	-	0.00013	0.00057
108883	Toluene	2.40E-04	6,000	26,280	0.00072	0.00315	-	0.00072	0.00315
79005	1,1,1-Trichloroethane	2.00E-05	6,000	26,280	0.00006	0.00026	-	0.00006	0.00026
100425	Styrene	2.50E-05	6,000	26,280	0.00008	0.00033	-	0.00008	0.00033
1330207	Xylenes	3.70E-05	6,000	26,280	0.00011	0.00049	-	0.00011	0.00049
108054	Vinyle Acetate	7.60E-06	6,000	26,280	0.00002	0.00010	-	0.00002	0.00010
7647010	Hydrochloric Acid	1.90E+00	6,000	26,280	5.70000	24.96600	99.25	0.04275	0.18724
7664393	Hydroflouric Acid	2.30E-01	6,000	26,280	0.69000	3.02220	99.25	0.00517	0.02267
	Subtotal Organic HAP's[2]				6.40600	28.05700		0.06400	0.27900

Notes: 1. Emission factor taken from Tables 3-8 and 4-5 of EPA's Guidance for Coal Mining Facilities (EPA 745-B-99-002)

2. Insignificant emission units are 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.

Project No: 06-125-12
By: JMC
Date: 01-10-07

Title V Renewal
East Gulf Preparation Plant

Checked by: JFJ
Date: 01-18-07

Metalic Compounds - Coal Burned in Dryer

C.A.S. No.	Pollutant	Emission Factors1 (Lb/Ton)	Dryer Burn Rate (LB/HR)	Dryer Burn Rate (TON/YR)	Potential Emissions (Lb /Hr)	Potential Emissions (Tons/Yr)	Control Efficiency (%)	Controlled Emissions (lbs/Hr)	Controlled Emissions (Tons/Yr)
----	Antimony (Sb2O5)	2.60E-03	6,000	26,280	0.00780	0.03416	-	0.00780	0.03416
----	Arsenic (AS2O5)	3.30E-01	6,000	26,280	0.99000	4.33620	-	0.99000	4.33620
----	Barium (BaO)	1.60E-01	6,000	26,280	0.48000	2.10240	-	0.48000	2.10240
----	Beryllim (BeO)	6.30E-03	6,000	26,280	0.01890	0.08278	-	0.01890	0.08278
----	Cadmium (CdO)	1.80E-04	6,000	26,280	0.00054	0.00237	-	0.00054	0.00237
----	Chromium (CrO3)	2.70E-02	6,000	26,280	0.08100	0.35478	-	0.08100	0.35478
----	Cobalt (CoO)	1.40E-02	6,000	26,280	0.04200	0.18396	-	0.04200	0.18396
----	Lead (PbO2)	1.30E-02	6,000	26,280	0.03900	0.17082	-	0.03900	0.17082
----	Manganese (MnO2)	2.10E-02	6,000	26,280	0.06300	0.27594	-	0.06300	0.27594
----	Mercury (HgO)	2.80E-04	6,000	26,280	0.00084	0.00368	-	0.00084	0.00368
----	Nickel (NiO)	2.90E-02	6,000	26,280	0.08700	0.38106	-	0.08700	0.38106
----	Selenium (SeO2)	6.40E-03	6,000	26,280	0.01920	0.08410	-	0.01920	0.08410
----	Silver (AgO)	1.00E-04	6,000	26,280	0.00030	0.00131	-	0.00030	0.00131
----	Zinc (ZnO)	2.30E-02	6,000	26,280	0.06900	0.30222	-	0.06900	0.30222
				Subtotal - Metals	1.82900	8.01200		1.82900	8.01200
					Uncontrolled			Controlled	
				Hazardous Air Pollutants - Aggregated[2]	8.23500	36.06900		1.89300	8.29100

Notes:

1. Emission factors for the trace elements were taken from USGS Coal Qual Database and calculated per EPA 745-B-99-002 that assume that 100 % of the base metal is fully oxidized to determine the quantity of the metal compounds manufactured / emitted.

2. Insignificant emission units are 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.

ADDENDUM

(Received Sept. 6, 2007)

For

TITLE V (45CSR30)
RENEWAL APPLICATION
FOR
EAST GULF COAL PREPARATION PLANT
PLANT ID. 03-54-08100012

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
T8 and T9	PE	RCTD1 (25S)	Raw Coal Truck Dump No. 1 – 200 Ton Bin	600 TPH 5.3 MM tpy	GF (1972)
T1, T2, and T15	PE	RCTD2 (26S)	Raw Coal Truck Dump No. 2 – 150 Ton Bin	600 TPH 5.3 MM tpy	1978
T3 and T4	FE	RB-1 (24S)	Prep. Plant Rotary Breaker – Pennsylvania Crusher – Model No. RMD 9' x 16'	600 TPH 5.3 MM tpy	1978
T33, T34, T35, T36, and 001	MCS / WSS	TD1 (31S)	Thermal Dryer – J. O. Lively Fluid Bed Dryer, Model No. H & P 80, Design capacity – 80 MM BTU per hour heat input. Double Butterfly Cyclone – original 106,000 acfm, modified 120,000 acfm. Venturi Scrubber – Flex-Kleen, Model # 60 – 1156 HP fan –Water Supply - 503 gal/min. Flexkleen High Velocity Mist Eliminator	320 TPH 2.8 MM tpy	1972 (Mod. '82 – 90)
T17 and T18	PE	ENF1 (32S)	Endloader Feeder No. 1 (refuse)	10 TPH 30,000 tpy	1978
T10, T11, and T12	PE	RRCD (36S)	Railcar Unloading Facility	600 TPH 5.3 MM tpy	Proposed
T46	FE	PP1 (38S)	Preparation Plant	600 TPH 3.71 MM tpy	GF (1972)
T2 and T3	FE	RCC1 (1S)	Raw Coal Conveyor No. 1	600 TPH 5.3 MM tpy	1978
T4 and T5	FE	RCC2 (2S)	Raw Coal Conveyor No. 2	540 TPH 4.77 MM tpy	1978
T6 and T7	FE	RCC3 (3S)	Raw Coal Conveyor No. 3	600 TPH 4.7 MM tpy	1978
T9 and T13	PE	RCC4 (4S)	Raw Coal Conveyor No. 4	600 TPH 5.3 MM tpy	GF (1972)
T13 and T3	FE	RCC5 (5S)	Raw Coal Conveyor No. 5	600 TPH 5.3 MM tpy	1978
T14 and T15	PE	RC1 (6S)	Refuse Conveyor No. 1	294 TPH 2.6 MM tpy	1986
T16 and T19	PE	RC2 (7S)	Refuse Conveyor No. 2	294 TPH 2.6 MM tpy	1986

T19 and T20	PE	RC3 (8S)	Refuse Conveyor No. 3	294 TPH 2.6 MM tpy	1986
T20 and T21	PE	RC4 (9S)	Refuse Conveyor No. 4	294 TPH 2.6 MM tpy	1986
T21 and T22	PE	RC5 (10S)	Refuse Conveyor No. 5	294 TPH 2.6 MM tpy	1986
T22 and T23	PE	RC6 (11S)	Refuse Conveyor No. 6	294 TPH 2.6 MM tpy	1986 (Mod. 2001)
T23 and T24	PE	RC7 (12S)	Refuse Conveyor No. 7	294 TPH 2.6 MM tpy	1986 (Mod. 2001)
T24 and T25	PE	RC8 (13S)	Refuse Conveyor No. 8	294 TPH 2.6 MM tpy	Proposed
T25 and T26	PE	RC9 (14S)	Refuse Conveyor No. 9	294 TPH 2.6 MM tpy	Proposed
T26 and T27	PE	RC10 (15S)	Refuse Conveyor No. 10	294 TPH 2.6 MM tpy	Proposed
T27 and T28	PE	RC11 (16S)	Refuse Conveyor No. 11	294 TPH 2.6 MM tpy	Proposed
T30 and T31	MC	RC14 (17S)	Refuse Stacking Conveyor No. 14	294 TPH 2.6 MM tpy	1986 (Mod. 2001)
T32 and T33	PE	CC1 (18S)	Clean Coal Conveyor No. 1	320 TPH 2.6 MM tpy	GF (1972)
T36 and T37	PE	CC2 (19S)	Clean Coal Conveyor No. 2	320 TPH 2.6 MM tpy	GF (1972)
T37, T35, and T38	PE	CC3 (20S)	Clean Coal Conveyor No. 3	320 TPH 2.6 MM tpy	GF (1972)
T40, T41, and T42	PE	CC4 (21S)	Clean Coal Conveyor No. 4	430 TPH 3.71 MM tpy	1983
T44 and T45	PE	CC5 (22S)	Clean Coal Conveyor No. 5	800 TPH 3.71 MM tpy	1983
T38, T39, T41, and T45	PE/FE	CC6 (23S)	Clean Coal Reversing Conveyor No. 6	800 TPH 3.71 MM tpy	1983
T11 and T12	PE	RCC6 (33S)	Rail Car Unloading Conveyor No. 6	600 TPH 5.3 MM tpy	Proposed

T28 and T29	PE	RC12 (34S)	Refuse Conveyor No. 12	294 TPH 2.6 MM tpy	Proposed
T29 and T30	PE	RC13 (35S)	Refuse Conveyor No. 13	294 TPH 2.6 MM tpy	Proposed
T33 and T34	FE	CC1 –A (37S)	Clean Coal Conveyor No. 1A	3 TPH 26,280 tpy	1972
T5 and T6	FE	RCS1 (27S)	Raw Coal Silo	5,500 Tons 4.8 MM tpy	1978
T15 and T 16	FE/FE	RB1 (28S)	Refuse Bin No. 1	150 Tons 2.6 MM tpy	1978
T39 and T46	FE	CB1 (29S)	Clean Coal Loadout Bin No. 1	20 Tons 3.71 MM tpy	1972
T42 and T43*, T44	MC/MD	CCOS1 (30S)	Clean Coal Open Stockpile No. 1 with Stacking Tube 120,000 Sq. Ft. area *Emergency Wet Clean out	150,000 Tons 3.71 MM tpy	1983
T7A, T7B, T7C, and T13	FE	SC1	Double Deck Screen	N/A	GF (1972)
T8	RWMW	UPHR1	Haulroad to Raw Coal Truck Dump No. 1 (Unpaved) 0.67 miles round trip.	N/A	GF (1972)
T1	RWMW	UPHR2	Haulroad to Raw Coal Truck Dump No. 2 (Unpaved) 0.26 miles round trip.	N/A	1978
T8	RWMW	UPHR3	Haulroad to Raw Coal Truck Dump No. 1 (Unpaved) 5.054 miles round trip	N/A	Proposed

[1]For 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 Form

Emission Unit Description

Emission unit ID number: 007	**Emission unit name:** Double Deck Screen	**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.): Scalping Screen – Double Deck (8' x 16')		
Manufacturer: NA	**Model number:**	**Serial number:**
Construction date: 1972	**Installation date:** 1972	**Modification date(s):** NA
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 750 ton/hr		
Maximum Hourly Throughput: 750 ton/hr	**Maximum Annual Throughput:**	**Maximum Operating Schedule:** 8,760 hours/year

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

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

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

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

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

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

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

This unit is grandfathered.

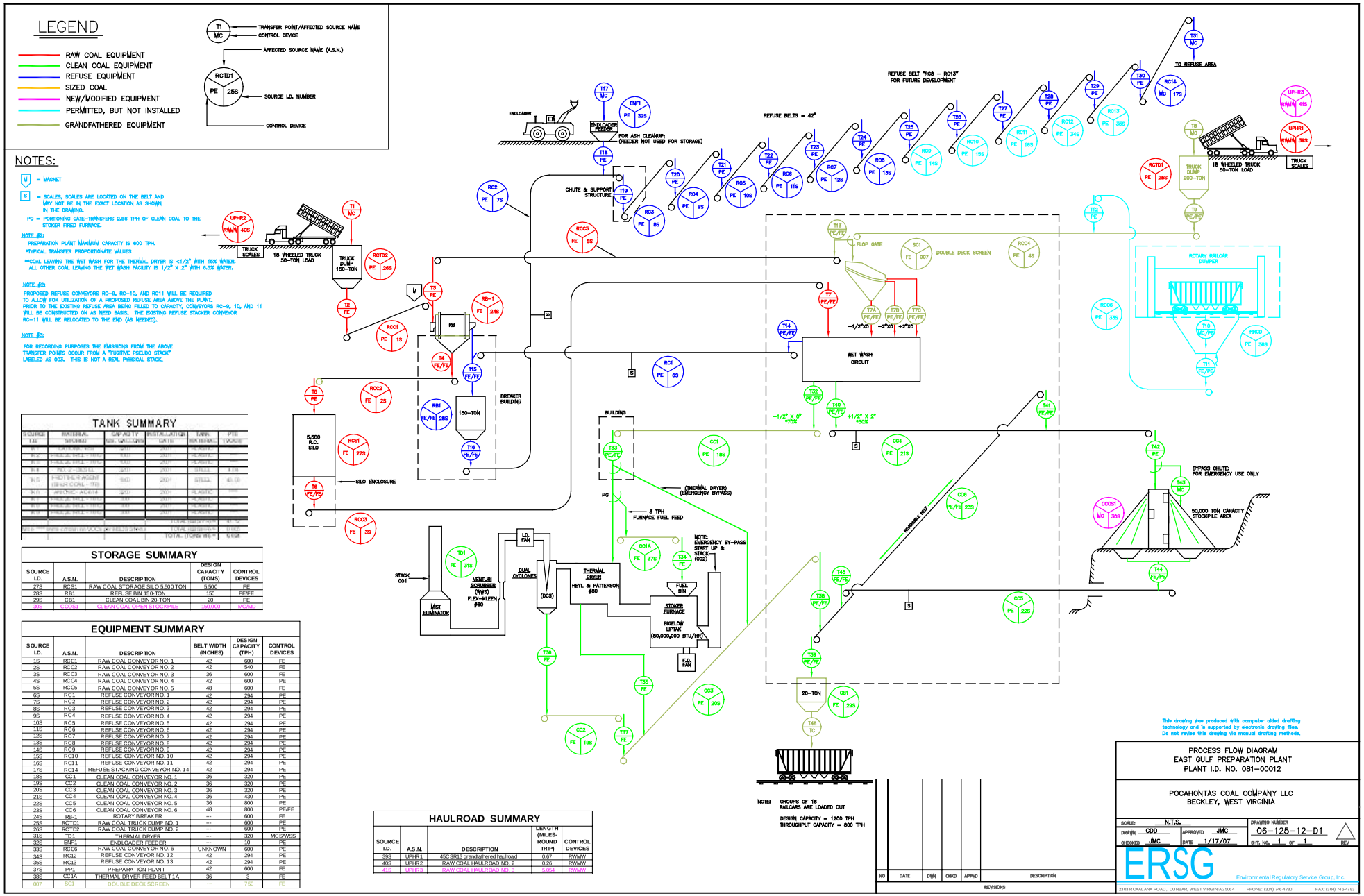
X Permit Shield

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.)

This unit is grandfathered.

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**.



TANK SUMMARY

SOURCE I.D.	MATERIAL STORED	CAPACITY (GAL.)	INSTALLATION DATE	TANK MATERIAL	PTE DEVICE
1KS	DIESEL FUEL	500	2001	PLASTIC	---
2KS	DIESEL FUEL	500	2001	PLASTIC	---
3KS	DIESEL FUEL	500	2001	PLASTIC	---
4KS	DIESEL FUEL	500	2001	PLASTIC	---
5KS	MOTOR OIL	250	2001	STEEL	---
6KS	ANTIFREEZE	250	2001	STEEL	---
7KS	DIESEL FUEL	500	2001	PLASTIC	---
8KS	DIESEL FUEL	500	2001	PLASTIC	---
9KS	DIESEL FUEL	500	2001	PLASTIC	---
10KS	DIESEL FUEL	500	2001	PLASTIC	---
11KS	MOTOR OIL	250	2001	STEEL	---
12KS	ANTIFREEZE	250	2001	STEEL	---
13KS	DIESEL FUEL	500	2001	PLASTIC	---
14KS	DIESEL FUEL	500	2001	PLASTIC	---
15KS	DIESEL FUEL	500	2001	PLASTIC	---
16KS	DIESEL FUEL	500	2001	PLASTIC	---
17KS	MOTOR OIL	250	2001	STEEL	---
18KS	ANTIFREEZE	250	2001	STEEL	---
19KS	DIESEL FUEL	500	2001	PLASTIC	---
20KS	DIESEL FUEL	500	2001	PLASTIC	---
21KS	DIESEL FUEL	500	2001	PLASTIC	---
22KS	DIESEL FUEL	500	2001	PLASTIC	---
23KS	MOTOR OIL	250	2001	STEEL	---
24KS	ANTIFREEZE	250	2001	STEEL	---
25KS	WASTE OIL	500	2001	PLASTIC	---
26KS	WASTE OIL/DIESEL FUEL	500	2001	PLASTIC	---
			TOTAL (GASOLINE)		0 GAL
			TOTAL (DIESEL FUEL)		8,000 GAL
			TOTAL (OTHER FUELS)		0 GAL

STORAGE SUMMARY

SOURCE I.D.	A.S.N.	DESCRIPTION	DESIGN CAPACITY (TONS)	CONTROL DEVICES
27S	RCS1	RAW COAL STORAGE SILO 5,500 TON	5,500	FE
28S	RB1	REFUSE BIN 150-TON	150	FE/FE
29S	CB1	CLEAN COAL BIN 20-TON	20	FE
30S	CCDS1	CLEAN COAL OPEN STOCKPILE	150,000	MC/MD

EQUIPMENT SUMMARY

SOURCE I.D.	A.S.N.	DESCRIPTION	BELT WIDTH (INCHES)	DESIGN CAPACITY (TPH)	CONTROL DEVICES
1S	RCC1	RAW COAL CONVEYOR NO. 1	42	600	PE
2S	RCC2	RAW COAL CONVEYOR NO. 2	42	540	PE
3S	RCC3	RAW COAL CONVEYOR NO. 3	36	600	PE
4S	RCC4	RAW COAL CONVEYOR NO. 4	42	600	PE
5S	RCC5	RAW COAL CONVEYOR NO. 5	48	600	PE
6S	RC1	REFUSE CONVEYOR NO. 1	42	294	PE
7S	RC2	REFUSE CONVEYOR NO. 2	42	294	PE
8S	RC3	REFUSE CONVEYOR NO. 3	42	294	PE
9S	RC4	REFUSE CONVEYOR NO. 4	42	294	PE
10S	RC5	REFUSE CONVEYOR NO. 5	42	294	PE
11S	RC6	REFUSE CONVEYOR NO. 6	42	294	PE
12S	RC7	REFUSE CONVEYOR NO. 7	42	294	PE
13S	RC8	REFUSE CONVEYOR NO. 8	42	294	PE
14S	RC9	REFUSE CONVEYOR NO. 9	42	294	PE
15S	RC10	REFUSE CONVEYOR NO. 10	42	294	PE
16S	RC11	REFUSE CONVEYOR NO. 11	42	294	PE
17S	RC14	REFUSE STACKING CONVEYOR NO. 14	42	294	PE
18S	CC1	CLEAN COAL CONVEYOR NO. 1	36	320	PE
19S	CC2	CLEAN COAL CONVEYOR NO. 2	36	320	PE
20S	CC3	CLEAN COAL CONVEYOR NO. 3	36	320	PE
21S	CC4	CLEAN COAL CONVEYOR NO. 4	36	430	PE
22S	CC5	CLEAN COAL CONVEYOR NO. 5	36	800	PE
23S	CC6	CLEAN COAL CONVEYOR NO. 6	48	800	PE/FE
24S	RB–1	ROTARY BREAKER	---	600	FE
25S	RCTD1	RAW COAL TRUCK DUMP NO. 1	---	600	PE
26S	RCTD2	RAW COAL TRUCK DUMP NO. 2	---	600	PE
31S	TD1	THERMAL DRYER	---	320	MC/SWSS
32S	ENF1	ENDLOADER FEEDER	---	10	PE
33S	RCC6	RAW COAL CONVEYOR NO. 6	UNKNOWN	600	PE
34S	RC12	REFUSE CONVEYOR NO. 12	42	294	PE
35S	RC13	REFUSE CONVEYOR NO. 13	42	294	PE
37S	PP1	PREPARATION PLANT	42	600	FE
38S	CC1A	THERMAL DRYER FEED BELT 1A	36	3	FE
007	SC1	DOUBLE DECK SCREEN	---	750	FE

HAULROAD SUMMARY

SOURCE I.D.	A.S.N.	DESCRIPTION	LENGTH (MILES-ROUND TRIP)	CONTROL DEVICES
39S	UPHR1	45C SR13 grandfathered haulroad	0.67	RWMW
40S	UPHR2	RAW COAL HAULROAD NO. 2	0.26	RWMW
41S	UPHR3	RAW COAL HAULROAD NO. 3	0.054	RWMW

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PROCESS FLOW DIAGRAM
EAST GULF PREPARATION PLANT
PLANT I.D. NO. 081–00012

POCAHONTAS COAL COMPANY LLC
BECKLEY, WEST VIRGINIA

SCALE: N.T.S.	DRAWING NUMBER: 06–125–12–D1
DRAWN: CDD	APPROVED: JMC
CHECKED: JMC	DATE: 1/17/07
SHT. NO. 1 OF 1	REV

NO	DATE	DWN	CHKD	APP'VD	DESCRIPTION

REVISIONS

ERSG
Environmental Regulatory Service Group, Inc.
2103 ROKALANA ROAD, DUNBAR, WEST VIRGINIA 25064 PHONE: (304) 766-4780 FAX: (304) 766-4783

Project No: 06-125-12
By: JMC
Date: 01-10-07

Title V Renewal
East Gulf Preparation Plant

Checked by: JFJ
Date: 01-18-07

CRUSHING OPERATIONS:

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	TONS PROCESSED (TPH)	TONS PROCESSED (TPY)	Control Device	Control Eff. %	EMISSION FACTOR (LBS/TON PROCESSED)	TSP Uncontrolled Emissions (LB/HR)	TSP Uncontrolled Emissions (TPY)	TSP Controlled Emissions (LB/HR)	TSP Controlled Emissions (TPY)	PM10 Uncontrolled Emissions (LB/HR)	PM10 Uncontrolled Emissions (TPY)	PM10 Controlled Emissions (LB/HR)	PM10 Controlled Emissions (TPY)
24S	RB-1	Rotary Breaker	1978	600	5,300,000	FE	80	0.02	12.00	53.00	2.40	10.60	5.68	25.07	1.14	5.01

Uncontrolled		**Controlled**		**Uncontrolled**		**Controlled**	
12.00	53.00	2.40	10.60	5.68	25.07	1.14	5.01

SCREEN OPERATIONS:

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	TONS PROCESSED (TPH)	TONS PROCESSED (TPY)	Control Device	Control Eff. %	EMISSION FACTOR (LBS/TON PROCESSED)	TSP Uncontrolled Emissions (LB/HR)	TSP Uncontrolled Emissions (TPY)	TSP Controlled Emissions (LB/HR)	TSP Controlled Emissions (TPY)	PM10 Uncontrolled Emissions (LB/HR)	PM10 Uncontrolled Emissions (TPY)	PM10 Controlled Emissions (LB/HR)	PM10 Controlled Emissions (TPY)
007*		Double Deck Screen	1972	Grandfathered		FE	80.00	-	-	-	-	-	-	-	-	-
									-	-	-	-	-	-	-	-

Uncontrolled		**Controlled**		**Uncontrolled**		**Controlled**	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

* - This is a grandfathered screen that has never been modified since installation in 1972.