ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SB-1	PC Boiler	SCR, DSI, FF, WFGD

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

The Foster Wheeler-BENSON vertical once-through, supercritical steam generating unit consists of a vertical tube water wall furnace, primary superheater, platen superheater, finishing superheater, single stage reheater, and economizer.

Manufacturer:	**Model number:**	**Serial number:**
Foster Wheeler Corporation	N/A	65-120231-00
Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

Steam Capacity 5027209 lbs/hr
Reheater Steam Capacity 4125965-
lb/hr

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
6,114 MMBtu	53,558,640 MMBtu	8760 hrs/yr

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

Does this emission unit combust fuel? _X Yes ___ No	**If yes, is it?** _X__ Indirect Fired __Direct Fired
Maximum design heat input and/or maximum horsepower rating: 6,114 MMBtu/Hr	**Type and Btu/hr rating of burners:** FWC Vortex Series/ Split Flame

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

Eastern Bituminous Coal	291.14 tons/hr	2,550,386.40 tons / yr
Natural Gas	1529 MMBtu/hr	669,702 MMBtu/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	≤ 2.5% annual ave.	< 25% weekly ave.	≥10,500 /lb monthly ave.
Natural Gas	≤ 0.05 grains	N/A	1084 Btu/scf (Typical)

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	673	2946
Nitrogen Oxides (NO_X)	489 (24-hr ave.)	1741
Lead (Pb)	0.0154	0.0675
Particulate Matter ($PM_{2.5}$)	45.9	201
Particulate Matter (PM_{10})	91.7	402
Total Particulate Matter (TSP)	91.7	402
Sulfur Dioxide (SO_2)	917 (3-hr ave.)	2417
Volatile Organic Compounds (VOC)	22	96
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acenapthene	1.48E-04	6.50E-04
Acenaphthylene	7.28E-05	3.19E-04
Acetaldehyde	1.66E-01	7.27E-01
Acetophenone	4.37E-03	1.91E-02
Acrolein	8.44E-02	3.70E-01
Anthracene	6.11E-05	2.68E-04
Benz(a)anthracene	2.33E-05	1.02E-04
Benzene	3.78E-01	1.66E+00
Benzo(a)pyrene	1.11E-05	4.85E-05
Benzo(b,j,k)fluoroanthene	3.20E-05	1.40E-04
Benzo(g,h,i)perylene	7.86E-06	3.44E-05
Biphenyl	4.95E-04	2.17E-03
Chrysene	2.91E-05	1.28E-04
Fluoranthene	2.07E-04	9.05E-04
Fluorene	2.65E-04	1.16E-03
Formaldehyde	6.99E-02	3.06E-01
Hexane	1.95E-02	8.54E-02
Indeno(1,2,3-cd)pyrene	1.78E-05	7.78E-05
Naphthalene	3.78E-03	1.66E-02
Phenanthrene	7.86E-04	3.44E-03
Pyrene	9.61E-05	4.21E-04

Emissions Data		
Hazardous Air Pollutants (continued)	Potential Emissions	
	PPH	TPY
Benzyl chloride	2.04E-01	8.93E-01
Bis(2-ethylhexyl)phthalate (BEHP)	2.13E-02	9.31E-02
Bromoform	1.14E-02	4.97E-02
Carbon disulfide	3.78E-02	1.66E-01
2-Chloroacetophenone	2.04E-03	8.93E-03
Chlorobenzene	6.41E-03	2.81E-02
Chloroform	1.72E-02	7.52E-02
Cumene	1.54E-03	6.76E-03
2,4-Dinitroluene	8.15E-05	3.57E-04
Dimethyl sulfate	1.40E-02	6.12E-02
Ethyl benzene	2.74E-02	1.20E-01
Ethyl chloride	1.22E-02	5.36E-02
Ethylene dichloride	1.16E-02	5.10E-02
Etyhlene dibromide	3.49E-04	1.53E-03
Isophorone	1.69E-01	7.40E-01
Methyl bromide	4.66E-02	2.04E-01
Methyl chloride	1.54E-01	6.76E-01
5-methyl chrysene	6.41E-06	2.81E-05
Methyl hydrazine	4.95E-02	2.17E-01
Methyl methacrylate	5.82E-03	2.55E-02
Methyl tert butyl ether	1.02E-02	4.46E-02
Methylene chloride	8.44E-02	3.70E-01
Phenol	4.66E-03	2.04E-02
Propionaldehyde	1.11E-01	4.85E-01
Styrene	7.28E-03	3.19E-02
Tetrachloroethylene	1.25E-02	5.48E-02
Toluene	6.99E-02	3.06E-01
Xylenes	1.08E-02	4.72E-02
Vinyl aceate	2.21E-03	9.69E-03

Emissions Data		
Hazardous Air Pollutants (continued)	Potential Emissions	
	PPH	TPY
Antimony	5.24E-03	2.30E-02
Arsenic	1.54E-02	6.75E-02
Beryllium	1.54E-03	6.75E-03
Cadmium	2.31E-03	1.01E-02
Chromium	2.31E-02	1.02E-01
Chromium VI	2.30E-02	
Cobalt	6.16E-03	2.70E-02
Lead	1.54E-02	6.75E-02
Manganese	3.85E-02	1.69E-01
Mercury	1.00E-02	4.38E-02
Nickel	3.08E-02	1.35E-01
Selenium	4.62E-02	2.02E-01
Total PCDD & PCDF	4.98E-10	2.18E-09
Hydrofluoric Acid	2.91E-01	1.28E+00
Hydrochloric Acid	1.02E+00	4.46E+00
Hydrogen Cyanide	1.17E-01	5.11E-01
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
H_2SO_4	44.86	201

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

Emission limits in R14-0024F for criteria pollutants (BACT limits)
PC Boiler Stack Testing Results – November 2011
AP-42 emission factors, Chapter 1.1, Bituminous and Sub-Bituminous Coal, September 1998
EPA ICR for hydrogen cyanide

40 CFR Part 63, Subpart UUUUU Table 2 for individual HAP metals

Applicable Requirements

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

The following conditions and requirements are specific to the PC Boiler (ID #SB1):
a. The annual heat input of the PC Boiler shall not exceed 53,558,640 MMBtu per calendar year. The hourly heat input shall be determined as the hourly average heat input for each operating day, as determined via methods in 40 CFR 60.
[R14-0024F, Paragraph 5.1.1].

Emissions of nitrogen oxides (NO_x) shall be controlled with the use of low NO_x burners and selective catalytic reduction control technologies. NO_x emissions emitted to the atmosphere from the PC Boiler Stack (EP #EB1) shall not exceed the following limits to the corresponding averaging periods.

Table 5.1.2. Limits of Nitrogen Oxides from the PC Boiler		
Limit	**Terms (Units)**	**Averaging Period**
489	Pounds/hour	24-hour rolling average
428	Pounds/hour	30-day rolling average
1.0 (NSPS Da Limit)	Pound/MWh	30-day rolling average
397	Pounds/hour	Calendar Year
0.065	Pounds/MMBtu	Calendar Year

Compliance with the NSPS Da limit in Tables 5.1.2. shall be determined by calculating the NO_x emissions as 1.194×10^{-7} lb/scf –ppm times the average hourly NO_x output concentration in ppm (measured according to the provisions of 40CFR §60.49Da(c)), times the average hourly flow rate (measured in scfh, according to provision of 40 CFR §60.49Da(m)), divided by the average hourly gross energy output (measured according to the provisions of 40 CFR §60.49Da(k)).
[40 CFR §60.48Da(i); Permit R14-0024F, Paragraph 5.1.2].

Emissions of sulfur dioxides (SO_2) shall be controlled with the use of a wet flue gas desulfurization control technology. SO_2 emissions emitted to the atmosphere from the PC Boiler Stack (EP #EB1) shall the following limits to the corresponding averaging periods.

Table 5.1.3. Limits of Sulfur Dioxide from the PC Boiler		
Limit	**Terms (Units)**	**Averaging Period**
917	Pounds/hour	3-hour rolling average
734	Pounds/hour	24-hour rolling average
0.2 (NESHAP UUUUU Limit)	Pound/MMBTU	30-day rolling average
1.4 (NSPS Da Limit)	Pound/MWh	30-day rolling average
581	Pounds/hour	Calendar Year
0.095	Pounds/MMBtu	Calendar Year
2,417	Tons/year	Calendar Year

Compliance with the NSPS Da limit in Tables 5.1.3. shall be determined by calculating the SO2 emissions as 1.660 × 10-7 lb/scf –ppm times the average hourly SO2 output concentration in ppm (measured according to the provisions of 40CFR §60.49Da(b)), times the average hourly flow rate (measured in scfh, according to provision of 40 CFR §60.49Da(m)), divided by the average hourly gross energy output (measured according to the provisions of 40 CFR §60.49Da(k)). Compliance with the NSPS Da limit constitutes a demonstration of compliance with the less stringent NESHAP UUUUU limit.
[40 CFR §60.48Da(m); 40 CFR §63.9991(c); Permit R14-0024F, Paragraph 5.1.3]

(continued…)

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Applicable Requirements

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

Compliance with the 30-day rolling average limits listed in Table 5.1.2. and Table 5.1.3. is determined by calculating the arithmetic average of all hourly emission rates for NOx and SO2 for the 30 successive operating days, except for data obtained during startup, shutdown, malfunction.
[40 CFR §60.48Da(a); 40 CFR §63.10021(b); Permit R14-0024F, Paragraph 5.1.3].

Emissions of particulate matter (PM) shall be controlled with fabric filter control technology. Emissions to the atmosphere from the PC Boiler Stack (EP #EB1) shall not contain PM in excess of either:
a. 0.14 lb/MWh gross energy output; or
b. 0.015 lb/MMBtu heat input derived from the combustion of solid, liquid, or gaseous fuel.
Compliance with either limit shall be determined by calculating the arithmetic average of all hourly emission rates for PM each operating day, except for data obtained during startup, shutdown, and malfunction. Averages are only calculated for operating days that have valid data for at least 18 hours of unit operation during which the limitation applies. All of the valid hourly emission rates of the operating day(s) not meeting the minimum 18 hours valid data daily average requirements are averaged with all of the valid hourly emission rates of the next operating day with 18 hours or more of valid PM CEMS data to determine compliance. Compliance with the NSPS Da limit constitutes a demonstration of compliance with the less stringent NESHAP UUUUU limit of 0.3 lb/MWh.
[40CFR§60.42Da(c)(1) and (2); 60.48Da(f); 40 CFR §63.9991(a); Permit R14-0024F, Paragraph 5.1.4].

The average hourly PM emission rate shall be calculated by multiplying the average hourly PM output concentration (measured according to 40CFR §60.49Da(t)), by the average hourly flow rate (measured in scfh, according to provision of 40 CFR §60.49Da(m)), and divided by the average hourly gross energy output (measured according to the provisions of 40 CFR §60.49Da(k)).
[40CFR §60.48Da(n); 40 CFR §63.10021(b); Permit R14-0024F, Paragraph 5.1.4].

Emissions of particulate matter less than ten microns (PM10) shall be controlled with fabric filter control technology. PM10 emissions (includes the filterable and condensable fractions other than water) emitted to the atmosphere from the PC Boiler Stack (EP #EB1) shall not exceed 110 lb/hr based on a six-hour rolling average.
[Permit R14-0024F, Paragraph 5.1.5].

Emissions of carbon monoxide (CO) shall be controlled with the use of good combustion practices control technology. CO emissions emitted to the atmosphere from the PC Boiler Stack (EP #EB1) shall not exceed 673 lb/hr (0.11 lb/MMBtu) based on a three-hour rolling average.
[Permit R14-0024F, Paragraph 5.1.6].

Emissions of volatile organic compounds (VOC) shall be controlled with the use of good combustion practices control technology. VOC emissions emitted to the atmosphere from the PC Boiler Stack (EP #EB1) shall not exceed 24.5 lb/hr (0.004 lb/MMBtu) based on a three-hour rolling average.

Continuous compliance with this emission limit shall be determined by using the data generated by CO CEMS as a surrogate for VOC. The permittee shall establish through testing the relationship between CO emissions and VOC emissions. An exceedance based on the CEMS data for CO and the relationship between CO and VOCs constitutes an exceedance of this emission limit for VOC. The permittee shall have the option to perform emission testing to verify the relationship between CO and VOC if the CEM data for CO indicates an exceedance of the VOC emission limit. Testing performed after the exceedance to determine whether the underlying relationship between CO and VOC has changed shall not be an absolute defense to the exceedance
[Permit R14-0024F, Paragraph 5.1.7].

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Applicable Requirements

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

Emissions of sulfuric acid mist (H2SO4) shall be controlled with the use of dry sorbent injection in conjunction with fabric filter control technology. H2SO4 emissions emitted to the atmosphere from the PC Boiler Stack (EP #EB1) shall not exceed 45.8 lb/hr (0.0075 lb/MMBtu) based on a 3- hour rolling average.

Continuous compliance with this emission limit shall be determined by using the data generated by SO2 CEMS as a surrogate for H2SO4. The permittee shall establish through testing the relationship between SO2 emissions and H2SO4 emissions. An exceedance based on the CEMS data for SO2 and the relationship between SO2 and H2SO4 constitutes an exceedance of this emission limit for H2SO4. The permittee shall have the option to perform emission testing to verify the relationship between SO2 and H2SO4 if the CEM data for SO2 indicates an exceedance of the H2SO4 emission limit. Testing performed after the exceedance to determine whether the underlying relationship between SO2 and H2SO4 has changed shall not be an absolute defense to the exceedance.
[Permit R14-0024F, Paragraph 5.1.8].

Emissions of Mercury (Hg) from the PC Boiler Stack shall not exceed 1.3x10-2 lb/GWh (gross electric power out from the generator) based on 30 boiler operating day rolling average, and 4.38x10-2 TPY based on 12 month rolling total.
[40 CFR §63.9991(a); Permit R14-0024F, Paragraph 5.1.9].

Emissions of total non-mercury HAP metals from the PC Boiler Stack shall not exceed 0.50 pound per GWh (gross electric power out from the generator) based on a thirty boiler operating day rolling average with the 12 month rolling total not to exceed 1.69 tons. The 30 boiler operating day rolling average limit shall apply at all times except during periods of startup and shutdown. Each 30 boiler operating day rolling average shall be calculated according to Table 7 to Subpart UUUUU. Compliance with the limit will be demonstrated by using PM CEMs output data demonstrating compliance with a PM rate at or less than 0.3 lb per MWh on an arithmetic 30-boiler operating day rolling average using the hourly average PM CEMS output data collected during all non-exempt boiler operating hours.

[Permit R14-0024F, Paragraph 5.1.10].

Emissions of hydrochloric acid (HCL) shall be controlled with the use of dry sorbent injection in conjunction with fabric filter control technology. Emissions of HCl from the PC Boiler Stack shall not exceed 0.02 pound per MWh (gross electric power out from the generator) based on a thirty boiler operating day rolling average with the 12 month rolling total not to exceed 4.46 tons. The 30 boiler operating day rolling average limit shall apply at all times except during periods of startup and shutdown. Compliance with the 30 boiler operating day rolling average shall be demonstrated by using SO2 CEMS output data demonstrating compliance with a SO2 rate at or less than 1.5 lb per MWh on a 30 day rolling average basis. Each 30-boiler operating day rolling average emission rate is the average of all of the valid SO2 emission rates in the preceding 30 boiler operating days.

[40CFR§§63.9991(a)(1), (c); Table 2 to Subpart UUUUU of Part 63; §63.10000(a) and §63.10010(f)][Permit R14-0024F, Paragraph 5.1.11].

Emissions of hydrofluoric acid (HF) shall be controlled with the use of dry sorbent injection in conjunction with fabric filter control technology. Emissions of HF from the PC Boiler Stack shall not exceed a 12 month rolling total of 1.28 tons.
[Permit R14-0024F, Paragraph 5.1.12].

Visible emissions from the PC Boiler shall not exceed 10% opacity on a 6-minute block averaging period.
[45CSR§2-3.1; Permit R14-0024F, Paragraph 5.1.13].

The stack height for the PC Boiler shall be constructed at a height of 554 feet above ground elevation.

[Permit R14-0024F, Paragraph 5.1.14].

The conditions and requirements in the following subdivisions are specific to the mechanical draft cooling tower (ID #ST-1):

a. Emissions of PM and PM-10 shall be controlled with a 0.002% drift eliminator or an equivalent control technology. PM/PM10 emissions emitted to the atmosphere from the Cooling Tower (EP #ET1) shall not exceed 4.1 lb/hr and 13.7 TPY.

[Permit R14-0024F, Paragraph 5.1.15].

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Applicable Requirements

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

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary. **[45CSR§13-5.11; Permit R14-0024F, Paragraph 5.1.16].**

__X__ Permit Shield

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

Monitoring Requirements

Continuous Monitoring Requirements: The permittee shall install, calibrate, maintain and operate CEMS, and a diluent monitor to measure and record the emissions of PM, SO2, NOx, CO, Hg and other parameters to determine compliance from the boiler stack in a manner sufficient to demonstrate continuous compliance with the CEMS-based emission standards in Condition 5.1. of this permit. These CEMS shall be installed, calibrated, and properly functioning certified in accordance with the following requirements:

a. *PM CEMS*: The PM CEMS shall be installed and operated in accordance with Performance Specification (PS) 11 in appendix B of 40CFR60. During the correlation testing runs as required by PS 11, PM and CO2 or O2 data shall be collected concurrently (or within a 30 to 60 minute period) by both the continuous emissions monitors and performance tests conducted using the following test methods:
i. Method 5 or 5B of appendix A-3 of 40CFR60 or Method 17 of appendix A-6 of 40CFR60 shall be used for determining PM emissions;
ii. Method 3A or 3B of appendix A-2 of 40CFR60 shall be used for determining either O2 or CO2.
iii. Quarterly accuracy determinations and daily calibration drift test shall be performed in accordance procedure 2 in appendix F of 40CFR60. The permittee shall perform Relative Response Audits on an annual basis and a Response Correlation Audits once every three (3) years. Records of such quarterly accuracy determinations, daily calibration drift tests, relative response audits, and response correlation audits must be maintained in accordance with Condition 3.4.1. of this permit.
[40 CFR §§60.49a(v); 40 CFR §63.10000(c); Permit R14-0024F, Paragraph 5.2.1].

b. *SO2 CEMS:* The SO2 CEMS shall be certified, operated, and maintained in accordance with the requirements of 40 CFR 75 provided that the requirements of 40CFR§60.49a(b(4)(i – iii) are met. Record keeping and reporting shall be conducted pursuant Subpart F and G in 40 CFR 75.
[40 CFR §60.49a(b)(4); 40 CFR §63.10000(c); Permit R14-0024F, Paragraph 5.2.1].

c. *NOx CEMS:* The NOx CEMS shall be certified, operated, and maintained in accordance with the requirements of 40 CFR 75.
[40 CFR §60.49a(c)(2)); Permit R14-0024F, Paragraph 5.2.1].

(continued…)

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**.

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

d. *CO CEMS:* The CO CEMS shall be certified pursuant to 40 CFR 60, Appendix B, Performance Specification 4 or 4A. Quality assurance procedures shall conform to the requirements of 40 CFR 60, Appendix F, and the Data Assessment Report of Section 7 shall be made each calendar quarter, to be submitted with respective semi-annual reports required by Condition 5.5.3. The RATA tests required for the CO monitor shall be performed using EPA Method 10 in Appendix A of 40 CFR 60. The CO monitor span values shall be set appropriately, considering the allowable methods of operation and corresponding emission standards.
[Permit R14-0024F, Paragraph 5.2.1].

e. *Hg CEMS:* The Hg CEMS shall be certified, operated, maintained and quality-assure the data from the monitoring system in accordance with Appendix A of 40 CFR 63 Subpart UUUUU
[40 CFR §63.10010(g); Permit R14-0024F, Paragraph 5.2.1].

f. *Diluent Monitor:* The oxygen (O2) or carbon dioxide (CO2) content of the flue gas shall be monitored at the location where CO and NOx are monitored.
The O2 monitor and the CO2 monitor shall comply with the performance and quality assurance requirements of 40 CFR 60 and 40 CFR 75 respectively.
[Permit R14-0024F, Paragraph 5.2.1].

g. *Flow Monitor:* The volumetric flow rate of the flue gas shall be monitored at the location where CO and NOx are monitored. The CO monitor and the CO2 monitor shall comply with the performance and quality assurance requirements of 40 CFR 60 and 40 CFR 75 respectively.
[40 CFR §60.49Da(m); Permit R14-0024F, Paragraph 5.2.1].

h. *Gross Output* : A wattmeter, device to measure gross amount of electricity generator by the STG, shall be installed, calibrated, maintained, and operated on a continuous basis.
[40 CFR §60.49Da(k)(1); 40 CFR §60.49Da; 45 CSR §2-8.2.a.; 45CSR §2A-6.3.; and 45 CSR §13-6.2.; Permit R14-0024F, Paragraph 5.2.1].

Initial CEMS Certification/Verification
(initial CEMS certification testing complete)
[40 CFR §§60.8 and 60.13(b), 40 CFR §75.4; Permit R14-0024F, Paragraph 5.2.2]

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

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

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

The permittee shall install, certify, operate, and maintain the SO2, NOx, and CO2 or O2 CEMS as specified in 40CFR§§60.49Da(w)(1) through (w)(5).
[Permit R14-0024F, Paragraph 5.2.3].

Data reported to meet the requirements of 40 CFR §60.51Da shall not include data substituted using the missing data procedures in Subpart D of 40 CFR 75, nor shall the data have been bias adjusted according to the procedures of 40 CFR 75.
[40 CFR §§60.49Da(b)(4)(iii) and (c)(2); [Permit R14-0024F, Paragraph 5.2.4].

The permittee shall sample the coal consumed by the PC Boiler on a biweekly basis. These sample(s) shall be analyzed to determine the concentrations of beryllium, chlorine, fluorine, and lead. The permittee shall utilize the analyses of these elements with the results of the most recent performance testing to determine the respective emissions during the respective twelve month rolling average period for which the coal sample(s) was taken. Records of such analyses and corresponding emission rates shall be maintained in accordance with Condition 3.4.1 of this permit.
[Permit R14-0024F, Paragraph 5.2.5].

For the purpose of determining compliance with this emission limit in Condition 5.1.16., the permittee shall monitor flow and the concentration of total dissolved solids contained in the circulating water of the cooling tower on a daily basis. The permittee may develop a correlation curve between total dissolve solids concentration and specific conductivity. Before the permittee can use this specific conductivity in lieu of monitoring total dissolved solids, this correlation curve must be approved by the Secretary The permittee shall determine the PM, and PM10 emissions from the cooling towers using a method that accuracy predicts these specific pollutants from mechanical draft cooling towers. Such determination shall be conduct on a monthly basis. Records of such monitoring and determinations shall be maintained in accordance with Condition 3.4.1. of this permit.
[Permit R14-0024F, Paragraph 5.2.6].

Should the permittee have to use other data systems other than PM CEMS data to satisfy the 75 percent of total operating hours per 30 day rolling average, at the minimum the permittee shall determine the opacity from PC boiler stack in accordance with Method 9 to demonstrate compliance with the visible emission standard of Condition 5.1.14. within the 30 day reporting period that other data systems are used. Records of the said observations shall be maintained in accordance with Condition 3.4.1. of this permit.
[Permit R14-0024F, Paragraph 5.2.7].

Whenever any 24-hour block average PM rate based on PM CEM data indicates an excursion of the hourly PM limit of 5.1.4., the permittee shall conduct an visible emission observation in accordance with Method 9 of appendix A-4 of 40CFR Part 60 for a minimum of six minutes as soon as practical but no later than 24 hours of the last hour of the excursion. Such observation shall continue for each hour until four (4) successive six-minute block observations demonstrate compliance or two (2) successive observations demonstrate compliance and PM CEM data during the same two hours indicating compliance with the hourly PM limit of 5.1.4. Records of such observations and PM CEM data shall be maintained in accordance with Condition 3.4.1 of this permit.
[45 CSR §2A-6.3a. [Permit R14-0024F, Paragraph 5.2.8].

(continued…)

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**.

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

Testing Requirements

Initial Stack Tests: (initial stack testing complete)
[Permit R14-0024F, Paragraph 5.3.1].

Initial Performance Test for Subpart Da: (initial performance test complete)
[40 CFR §§60.50Da(a), (c)(4 and 5), and (d)(1 and 2); Permit R14-0024F, Paragraph 5.3.2]

Initial Performance Test for NESHAP Subpart UUUUU: (initial performance test complete)
[40 CFR §§63.10005(a)(2) and 63.10007(a)]

Test Methods: Any required test shall be performed in accordance with the following methods unless an alternative method is approved by the Director or unless otherwise specified:

Table 5.3.2. Tests Methods for the Boiler Stack

EPA Method	Description of Method and Comments
1 - 4	Determination of Traverse Point, Velocity and Flow Rate, Gas Analysis, and Moisture Content {Notes: Methods shall be performed as necessary to support other methods.}
5, 5B, 5I	Measurement of PM
6C	Measurement of SO2 Emission (Instrumental)
7E	Measurement of NOx Emissions (Instrumental)
9	Visual Determination of the Opacity
10	Measurement of CO Emission (Instrumental)
18	Measurement of Gaseous Organic Compound Emissions (Gas Chromatography) {For concurrent use with EPA Method 25A to deduct emissions of methane and ethane from the THC emissions measured by Method 25A.}
19	Calculation Method for NOx, PM, and SO2 Emission Rate
25	Determination of Total Gaseous Non-methane Organic Emission as Carbon
25A	Determination of Total Gaseous Non-methane Organic Emission as Carbon
26A	Determination of Hydrogen Halide And Halogen Emissions From Stationary Sources Isokinetic Method
201, 201A, 202	Measurement of PM10 and Condensable PM
OTM27	Determination of PM10 and PM2.5 Emissions From Stationary Sources
OTM28	Dry Impinger Method for Determining Condensable PM Emissions From Stationary Sources
ASTM D6784-02	Standard Test Method for Elemental, Oxidized, Particle-Bound and Total Mercury in Flue Gas Generated from Coal-Fired Stationary Sources (Ontario Hydro Method)
CTM-13B	Modified Controlled Condensation Method for Measuring Sulfuric Acid Emissions from Kraft Recovery Furnaces and Boilers with Wet Particulate Matter Control Devices

[Permit R14-0024F, Paragraph 5.3.2].

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

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

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

The permittee shall verify compliance with emission limits for PM10, VOCs, and H2SO4 by conducting performance testing once every twelve (12) months thereafter from the initial compliance determination as required in Condition 5.3.1.of this permit. Such testing shall be conducted in accordance with Conditions 3.3.1., 5.3.1., and 5.3.3. of this permit. Records of such testing shall be maintained in accordance with Condition 3.4.1 of this permit.
[Permit R14-0024F, Paragraph 5.3.3].

The permittee shall perform an initial drift test within 180 days after startup (initial drift test complete) and periodic drift testing once every five years thereafter on the cooling towers. Such testing shall be conducted in accordance with Condition 3.3.1. of this permit. Records of such testing shall be maintained in accordance with Condition 3.4.1 of this permit.
[Permit R14-0024F, Paragraph 5.3.4].

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[Permit R14-0024F, Paragraph 5.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[Permit R14-0024F, Paragraph 5.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any
(continued…)

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**.

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

malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
[Permit R14-0024F, Paragraph 5.4.3].

The permittee shall record the amounts of each fuel consumed by the PC boiler during each operating day. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[45CSR§2A-7.1.a.; Permit R14-0024F, Paragraph 5.4.4].

The permittee shall determine and record the ash and Btu content of the coal received at the facility. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[45CSR§2A-7.1.a.4.; Permit R14-0024F, Paragraph 5.4.5].

The permittee shall demonstrate continuous compliance with the requirements of NESHAP Subpart UUUUU by using all quality-assured hourly data recorded by the CEMS and the other required monitoring systems to calculate the arithmetic average emission rate in units of the standard on a continuous 30-boiler operating day rolling average basis, updated at the end of each new boiler operating day.
[40CFR§63.10021(b)]

Reporting Requirements

After July 1, 2011, within 90 days after completing a PM CEMS performance evaluation as required by 40 CFR 60.49Da(v), the permittee shall either successfully enter the test data into EPA's WebFire data base located at http://cfpub.epa.gov/oarweb/index.cfm?action=fire.main or mail a copy to:

United States Environmental Protection Agency
Energy Strategies Group - Mail Code: D243-01
109 TW Alexander Dr
RTP, NC 27711

[40 CFR §60.49Da(v)(4); Permit R14-0024F, Paragraph 5.5.1].

Within 60 calendar days after completing of any testing as required in Section 5.3. or performance evaluation of a CEMS as required in Section 5.2. of this permit, the permittee shall report the results or findings of such testing or evaluation to the Director.
[40 CFR §60.51Da(a) and 45CSR§§13-6.1 and 2.; Permit R14-0024F, Paragraph 5.5.2]

The permittee shall submit semiannual reports to the Director concerning emissions from the PC Boiler. The reporting periods for such reports shall be for the 1st half of the calendar year is from January 1st to June 30th and the 2nd half of the year is July 1st to December 31st. These reports shall be postmarked no later than 30th day after the end of the reporting period. Such reports shall contain the following information:

For each 24 hour period:
(continued…)

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**.

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

a. Calendar date;

b. The average SO2 and NOx (lb/MWh) for each 30 successive unit operating days, ending with the last 30 day period in the quarter; reason for non-compliance with the emission standards; and , description of corrective actions taken.

c. Identification of the unit operating date for which pollutant or diluents data have not been obtained by an approved method for at least 75 percent of the hours of operation of the facility; justification for not obtaining sufficient data; and description of corrective actions taken. Identification of the times when emission data have been excluded from the calculation of average emission rates because of startup, shutdown, malfunction, emergency conditions, or other reasons, and justification for excluding data for reasons other than startup, shutdown, malfunction, or emergency conditions.

d. Identification of the "F" factor used for calculations, method of determination, and type of fuel combusted.

e. Identification of the times when hourly averages have been obtained based on manual sampling methods.

f. Identification of the times when the pollutant concentration exceeded full span of the CEMS.

g. Description of any modifications to CEMS which could affect the ability of the CEMS to comply with Performance Specifications 2 or 3

h. If the minimum quantity of emissions data as required by 40 CFR §60.49Da is not obtained for any 30 successive unit operating days, the following information shall be included in the quarterly report of the respective reporting period.

i. The number of hourly averages available for outlet emission rates.
ii. The standard deviation of hourly averages for outlet emission rates.
iii. The lower confidence limit for the mean outlet emission rate.
iv. The applicable potential combustion concentration.
v. The ratio of the upper confidence limit for the mean outlet emission rate (Eo*) and the allowable emission rate (Estd) as applicable.

i. If any standard under 40 CFR §60.43Da (SO2 NSPS Da standard) or 40 CFR §63.9991 is exceeded during emergency conditions because of control system malfunction, the permittee shall submit a signed statement indicating if emergency conditions existed and requirements under 40 CFR §60.48Da(d) or 40 CFR §63.9991 were met during each period, and including the following information.

i. Times periods the emergency condition existed;
ii. Electrical output and demand on the permittee's electric utility system and the affected facility;
iii. Amount of power purchased from interconnected neighboring utility companies during the emergency period;

iv. Percent reduction in emissions achieved;
v. Atmospheric emission rate (ng/J and lb/MWh) of the pollutant discharged; and
vi. Actions taken to correct control system malfunction.

j. For periods for which SO2, NOx, PM, and Hg emissions data are not available, the permittee shall submit a signed statement indicating if any changes were made in operation of the emission control system during the period of data unavailability. Operations of the control system and permitted facility before and following the period of data unavailability.

[40 CFR §60.51Da(f); 40 CFR §63.10031; Permit R14-0024F, Paragraph 5.5.3]

Quarterly PM, CO, Hg Emission Report: Within 30 days following the end of each quarter, the permittee shall submit a report to the Director summarizing PM, CO, and Hg emissions including periods of startups, shutdowns, malfunctions, and CEMS system monitor availability for the previous quarter. Any emissions data that indicates that the limits as stated in Section 5.1. were exceeded during the corresponding reporting period must be noted in this summary report. At the minimum, the date and time, length of the exceedances(s), magnitude, the limit that was exceeded, the cause of the exceedances, and the corrective action taken shall be included in the summary report.

[45CSR§2A-7.2.c. and 45CSR§13-3; Permit R14-0024F, Paragraph 5.5.4]

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description		
Emission unit ID number: ST-1	**Emission unit name:** Mechanical Draft Cooling tower	**List any control devices associated with this emission unit:** Drift Eliminators
Provide a description of the emission unit (type, method of operation, design parameters, etc.): 20-Cell cooling tower, with each cell 49 ft wide and 58.65 ft in height.		
Manufacturer: NA	**Model number:** NA	**Serial number:**
Construction date: 01/26/2007	**Installation date:**	**Modification date(s):**
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 270,000 gpm		
Maximum Hourly Throughput: 270,000 gpm	**Maximum Annual Throughput:** 141,912 MM gal/yr	**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 ($PM_{2.5}$)	0.3	1.1
Particulate Matter (PM_{10})	0.6	2.1
Total Particulate Matter (TSP)	4.1	13.7
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.).

Potential emissions calculated from design circulating flow, total dissolved solids in the cooling water, and guaranteed drift from the equipment supplier. Compliance is demonstrated via stack testing. From 2012 testing, 15.31% of PM = PM10. Assumes PM2.5 = 0.5 x PM10.

Applicable Requirements

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

The conditions and requirements in the following subdivisions are specific to the mechanical draft cooling tower (ID #ST-1):
a. Emissions of PM and PM-10 shall be controlled with a 0.002% drift eliminator or an equivalent control technology. PM/PM10 emissions emitted to the atmosphere from the Cooling Tower (EP #ET1) shall not exceed 4.1 lb/hr and 13.7 TPY.
[Permit R14-0024F, Paragraph 5.1.16].

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; Permit R14-0024F, Paragraph 5.1.17].

_X_ Permit Shield

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

Monitoring Requirements

For the purpose of determining compliance with this emission limit in Condition 5.1.16., the permittee shall monitor circulating flow and the concentration of total dissolved solids contained in the circulating water of the cooling tower on a daily basis. The permittee may develop a correlation curve between total dissolved solids concentration and specific conductivity. Before the permittee can use this specific conductivity in lieu of monitoring total dissolved solids, this correlation curve must be approved by the Secretary. The permittee shall determine the PM, and PM10 emissions from the cooling towers using a method that accuracy predicts these specific pollutants from mechanical draft cooling towers. Such determination shall be conduct on a monthly basis. Records of such monitoring and determinations shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 5.2.6].

Testing Requirements

5.3.4. The permittee shall perform an initial drift test within 180 days after startup (initial drift test complete) and periodic drift testing once every five years thereafter on the cooling towers. Such testing shall be conducted in accordance with Condition 3.3.1. of this permit. Records of such testing shall be maintained in accordance with Condition 3.4.1 of this permit.
[R14-0024F, Paragraph 5.3.4].

(continued…)

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**.

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 5.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 5.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
[R14-0024F, Paragraph 5.4.3].

Reporting Requirements

5.5.2. Within 60 calendar days after completing of any testing as required in Section 5.3. or performance evaluation of a CEMS as required in Section 5.2. of this permit, the permittee shall report the results or findings of such testing or evaluation to the Director.
[40 CFR §60.51Da(a) and 45CSR§§13-6.1 and 2; R14-0024F, Paragraph 5.5.2].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SX-1	Auxiliary Boiler	Low NO_x Burners

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

Natural Gas fired package unit boiler with single steam and water drums, super heater and economizer.

Manufacturer:	**Model number:**	**Serial number:**
ISGEC John Thompson	5165	IWT - 6210
Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

1 X 66.66 TPH (147,000) lb/hr Net Superheated Steam

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
225MMBtu	197.1 MMcuft	197,100 MMBtu/year

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

Does this emission unit combust fuel? X Yes ___ No	**If yes, is it?** X Indirect Fired _ Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**
225 MMBtu/hr	Coen Bhareet Ltd

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

Natural Gas 225 MMBtu/hr 197.1 $MMft^3$/yr

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural Gas	0.15 gr/100cuft	N/A	1084 Btu (Typical)

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	17.7	7.7
Nitrogen Oxides (NO_X)	29.4	12.9
Lead (Pb)	1.05E-04	4.61E-05
Particulate Matter ($PM_{2.5}$)	.63	0.026
Particulate Matter (PM_{10})	1.26	0.52
Total Particulate Matter (TSP)	1.26	0.52
Sulfur Dioxide (SO_2)	0.13	0.058
Volatile Organic Compounds (VOC)	1.22	0.51
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acenapthene	3.79E-07	1.66E-07
Acenaphthylene	3.79E-07	1.66E-07
Anthracene	5.05E-07	2.21E-07
Benz(a)anthracene	3.79E-07	1.66E-07
Benzene	4.42E-04	1.93E-04
Benzo(a)pyrene	2.52E-07	1.11E-07
Benzo(b)fluoroanthene	3.79E-07	1.66E-07
Benzo(g,h,l)perylene	2.52E-07	1.11E-07
Benzo(k)fluoranthene	3.79E-07	1.66E-07
Chrysene	3.79E-07	1.66E-07
Dibenzo(a,h)anthracene	2.52E-07	1.11E-07
Dichlorobenzene	2.52E-04	1.11E-04
7,12 Dimethylbenz(a)anthracene	3.36E-06	1.47E-06
Fluoranthene	6.31E-07	2.76E-07
Fluorene	5.89E-07	2.58E-07
Formaldehyde	1.58E-02	6.91E-03
Hexane	3.79E-01	1.66E-01
Indeno(1,2,3-cd)pyrene	3.79E-07	1.66E-07
2 Methylnaphthalene	5.05E-06	2.21E-06
3 Methylchloranthrene	3.79E-07	1.66E-07
Naphthalene	1.28E-04	5.62E-05
Phenanathrene	3.57E-06	1.57E-06

Pyrene	1.05E-06	4.61E-07

Emissions Data		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Toluene	7.15E-04	3.13E-04
Arsenic	5.05E-05	2.21E-05
Beryllium	2.52E-06	1.11E-06
Cadmium	2.31E-04	1.01E-04
Chromium	2.94E-04	1.29E-04
Cobalt	1.77E-05	7.74E-06
Lead	1.05E-04	4.61E-05
Manganese	7.99E-05	3.50E-05
Mercury	5.47E-05	2.39E-05
Nickel	4.42E-04	1.93E-04
Selenium	5.05E-06	2.21E-06
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

AP-42 Emission Factors, Chapter 1.2, Chapter 1.4, Natural Gas Combustion, July 1998

Applicable Requirements

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

Limitations and Standards

The following conditions and requirements are specific to the Auxiliary Boiler (ID #SX1):
a. The hourly heat input of the Auxiliary Boiler shall not exceed 225 million British Thermal Units (MMBtu) per hour.
b. The permittee shall limit the annual capacity factor of the boiler to no more than 10 percent by limiting the total annual heat input of the boiler to 197,100 MMBtu per year.
c. The Auxiliary Boiler shall not consume more than 197.1 million cubic feet of natural gas on an annual basis.
d. The permittee shall perform annual maintenance of the Auxiliary Boiler.
[Permit R14-0024F, Paragraph 6.1.1].

Emissions of nitrogen oxides (NOx) shall be controlled with the use of low NOx burners and good combustion practices control technologies. NOx emissions emitted to the atmosphere from the Auxiliary Boiler Stack (EP #EX1) shall not exceed 22.1 lb/hr based on a three-hour block average.
[Permit R14-0024F, Paragraph 6.1.2].

Emissions of SO2 shall be controlled with the use of clean fuels (i.e. natural gas) control technology. SO2 emissions to the atmosphere from the Auxiliary Boiler Stack (EP #EX1) shall not exceed 0.133 lb/hr based on a three-hour block average.
a. The auxiliary boiler shall not consume any natural gas with a sulfur content greater than 0.15 grains per 100 cubic feet of natural gas.
[Permit R14-0024F, Paragraph 6.1.3].

PM and PM-10 emissions emitted to the atmosphere from the Auxiliary Boiler Stack (EP #EX1) shall not exceed 1.26 lb/hr based on a six-hour block average.
[Permit R14-0024F, Paragraph 6.1.4].

CO emissions emitted to the atmosphere from the Auxiliary Boiler Stack (EP #EX1) shall not exceed 9 lb/hr based on a three-hour block average.
[Permit R14-0024F, Paragraph 6.1.5].

VOC emissions emitted to the atmosphere from the Auxiliary Boiler Stack (EP #EX1) shall not exceed 1.22 lb/hr based on a three-hour block average.
[Permit R14-0024F, Paragraph 6.1.6].

The auxiliary boiler stack shall not exhibit visible emission greater than 10% opacity on a 6- minute block averaging period.
[45CSR§2-3.1; Permit R14-0024F, Paragraph 6.1.7].

Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; Permit R14-0024F, Paragraph 6.1.8].

_X_ Permit Shield

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

Monitoring Requirements

For each operating day, the permittee shall record the calendar date, amount of fuel consumed, number of hours operated, and the hourly steam load. Using the amount of fuel consumed, the appropriate Higher Heating Value (HHV) of the fuel and engineering calculations, the permittee shall determine the hourly heat input of the Auxiliary Boiler on a daily basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[40CFR§60.49b(p) and 45CSR§2A-7.1.a.1; ; Permit R14-0024F, Paragraph 6.2.1].

Testing Requirements

Maximum Heat Input Capacity Demonstration:
(max heat input capacity demonstration complete)
[40CFR§60.46b(g); Permit R14-0024F, Paragraph 6.3.1].

Initial Stack Tests:
(initial stack tests complete)
[Permit R14-0024F, Paragraph 6.3.2].

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[Permit R14-0024F, Paragraph 6.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[Permit R14-0024F, Paragraph 6.4.2].

(continued…)

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**.

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

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
[Permit R14-0024F, Paragraph 6.4.3].

The permittee shall maintain records of all maintain preformed on the auxiliary boiler in accordance with 3.4.1.of this permit.
[Permit R14-0024F, Paragraph 6.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 6.3. of this permit to the Director within 60 days after completing such testing.
[Permit R14-0024F, Paragraph 6.5.1].

The permittee shall submit to the Director on or before March 15 an annual compliance report of the previous calendar year ending on December 31. Such report shall include the following:
a. Annual capacity factor over the previous calendar year;
b. The result of any NOx emission tests required during the reporting period; and
c. Hours of operation for the previous calendar year.
[40 CFR §60.49b(q); Permit R14-0024F, Paragraph 6.5.2].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SG1	Emergency Generator Engine	

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

Tier 2 (EPA) Certified, Emergency Diesel Generator - Engine Displacement 37.1 L 4 cycle 12 cylinder turbo charged

Manufacturer:	**Model number:**	**Serial number:**
Mitsubishi	S12H-Y2PTAW-1	
Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

Rating Range - Standby: kW 880 – 1000 / kVA 1100 – 1250, Prime: kW 840 – 900; kVA 1050 - 1125

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
77.9 gal/hr	14,750 gal	100 non-emergency hrs/calendar 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: 1528 BHP	**Type and Btu/hr rating of burners:** N/A

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

Diesel – 14,750 gal/yr; 77.9 gal/hr

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Diesel	15.0 ppm		

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	8.85	0.44
Nitrogen Oxides (NO_X)	20.9	1.05
Lead (Pb)	No factor for Pb	
Particulate Matter ($PM_{2.5}$)	.57	0.028
Particulate Matter (PM_{10})	1.13	0.056
Total Particulate Matter (TSP)	1.13	0.056
Sulfur Dioxide (SO_2)	6.5	0.325
Volatile Organic Compounds (VOC)	1.21	0.06
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acenapthene	1.9E-05	9.6E-07
Acenaphthylene	3.8E-05	1.9E-06
Acetaldehyde	1.0E-04	5.2E-06
Acrolein	3.2E-05	1.6E-06
Anthracene	5.0E-06	2.5E-07
Benz(a)anthracene	2.5E-06	1.3E-07
Benzene	3.2E-03	1.6E-04
Benzo(a)pyrene	1.1E-06	5.3E-08
Benzo(b)fluoroanthene	4.5E-06	2.3E-07
Benzo(g,h,l)perylene	2.3E-06	1.1E-07
Benzo(k)fluoranthene	8.9E-07	4.5E-08
Chrysene	6.3E-06	3.1E-07
Dibenzo(a,h)anthracene	1.4E-06	7.1E-08
Fluoranthene	1.7E-05	8.3E-07
Fluorene	5.2E-05	2.6E-06
Formaldehyde	3.2E-04	1.6E-05
Indeno(1,2,3-cd)pyrene	1.7E-06	8.5E-08
Naphthalene	5.3E-04	2.7E-05
Phenanthrene	1.7E-04	8.4E-06
Pyrene	1.5E-05	7.6E-07

Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
Toluene	1.2E-03	5.8E-05
Xylene	7.9E-04	4.0E-05

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

AP-42 Emission Factors, Chapter 3.4, Large Stationary Diesel and All Stationary Dual-fuel Engines, October 1996
Max annual hours reduced to 100 due to Part 60 Subpart ZZZZ

Applicable Requirements

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

The following conditions and requirements are specific to the internal combustion engines powering the emergency generator (ID #SG1) and fire pump (ID #SP1):
a. The hours of operation for the engines of the emergency generator and fire pump shall be limited to 500 hours per rolling 12 month time period for each engine.
b. The sulfur content of the fuel used in the emergency generator and fire pump engines shall not exceed 0.05% sulfur by weight.
c. The emergency generator engine (ID #SG1) shall not consume more than 14,750 gallons of fuel on an annual basis.
d. The fire pump engine (ID #SP1) shall not consume more than 7,380 gallons of fuel on an annual basis.
e. Emissions from the emergency generator and fire pump engines shall not exceed the following limits:

Pollutants	Emergency Generator		Fire Pump	
	lb/hr	tons per year*	lb/hr	tons per year*
SO_2	6.5	1.6	3.3	0.825
PM_{10}	1.13	0.28	0.56	0.14
CO	8.85	2.21	4.43	1.11
NO_x	20.9	5.23	10.5	2.6
VOC	1.21	0.30	0.64	0.16

f. The permittee shall perform annual maintenance of the emergency generator and fire pump engine and shall keep records of this maintenance.
[R14-0024F, Paragraph 7.1.3.].

Emergency Generator limits from 40 CFR 60 Subpart IIII Table 1

Pollutants	g/KW-hr (g/HP-hr)
HC	1.3 (1.0)
NOx	9.2 (6.9)
CO	11.4 (8.5)
PM	0.54 (0.40)

The following requirements are taken verbatim (including paragraph numbering) from 40 CFR 60 Subpart IIII, §60.4211(f) and are applicable to the emergency generator and fire pump engines:

> (f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.
>
> **(f)**(1) There is no time limit on the use of emergency stationary ICE in emergency situations.
>
> **(f)**(2) You may operate your emergency stationary ICE for any combination of the purposes

specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(f)(2)(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(f)(2)(ii) Emergency stationary ICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(f)(2)(iii) Emergency stationary ICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(f)(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraph (f)(3)(i) of this section, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or nonemergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity

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.)

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement
7.4.5. The permittee shall keep monthly records of hours of operation and a 12-month rolling total for each engine. If the engine is equipped with a non-resettable hour meter, the permittee shall only be required to record the number of hours of operation at the end of the calendar year. Such records shall be maintained in accordance with Condition 3.4.1 of this permit.
[R14-0024F, Paragraph 7.4.1.].

Are you in compliance with all applicable requirements for this emission unit? __X_ Yes ___No If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SP1	Fire Water Pump Engine	

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

Diesel Engine rated at 240 HP, 2200 RPM, @ 47.0 cu meters/min

Manufacturer:	**Model number:**	**Serial number:**
John Deere	6466A	
Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

100 gpm @ 215 tdh (95 psi), 250 # maximum working pressure, 100 psi suction minimum / 120 psi maximum

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
89.9 lbs/hr - fuel	44,950 lbs/yr - fuel	100 non-emergency hrs/calendar 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: 240 HP	**Type and Btu/hr rating of burners:** Internal Combustion Engine

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

Off Road Diesel 89.9 lb/hr 44,950 lb/yr

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Diesel	15.0 ppm		

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)	4.43	0.22	
Nitrogen Oxides (NO_X)	10.5	0.52	
Lead (Pb)	No Pb Emission Factor		
Particulate Matter ($PM_{2.5}$)	0.28	0.014	
Particulate Matter (PM_{10})	0.56	0.028	
Total Particulate Matter (TSP)	0.56	0.028	
Sulfur Dioxide (SO_2)	3.3	0.825	
Volatile Organic Compounds (VOC)	0.64	0.032	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
(1,3) Butadiene	8.0E-05	4.0E-06	
Acenapthene	2.9E-06	1.5E-07	
Acenaphthylene	1.0E-05	5.2E-07	
Acetaldehyde	1.6E-03	7.9E-05	
Acrolein	1.9E-04	9.5E-06	
Anthracene	3.8E-06	1.9E-07	
Benz(a)anthracene	3.4E-06	1.7E-07	
Benzene	1.9E-03	9.6E-05	
Benzo(a)pyrene	3.9E-07	1.9E-08	
Benzo(b)fluoroanthene	2.0E-07	1.0E-08	
Benzo(g,h,l)perylene	1.0E-06	5.0E-08	
Benzo(k)fluoranthene	3.2E-07	1.6E-08	
Chrysene	7.2E-07	3.6E-08	
Dibenzo(a,h)anthracene	1.2E-06	6.0E-08	
Fluoranthene	1.6E-05	7.8E-07	
Fluorene	6.0E-05	3.0E-06	
Formaldehyde	2.4E-03	1.2E-04	
Indeno(1,2,3-cd)pyrene	7.7E-07	3.8E-08	
Naphthalene	1.7E-04	8.7E-06	
Phenanthrene	6.0E-05	3.0E-06	
Pyrene	9.8E-06	4.9E-07	
Toluene	8.4E-04	4.2E-05	

Xylene	5.8E-04	2.9E-05

Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

AP-42 Emission Factors, Chapter 3.4, Large Stationary Diesel and All Stationary Dual-fuel Engines, October 1996
Max annual hours reduced to 100 due to Part 60 Subpart ZZZZ

Applicable Requirements

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

The following conditions and requirements are specific to the internal combustion engines powering the emergency generator (ID #SG1) and fire pump (ID #SP1):
a. The hours of operation for the engines of the emergency generator and fire pump shall be limited to 500 hours per rolling 12 month time period for each engine.
b. The sulfur content of the fuel used in the emergency generator and fire pump engines shall not exceed 0.05% sulfur by weight.
c. The emergency generator engine (ID #SG1) shall not consume more than 14,750 gallons of fuel on an annual basis.
d. The fire pump engine (ID #SP1) shall not consume more than 7,380 gallons of fuel on an annual basis.
e. Emissions from the emergency generator and fire pump engines shall not exceed the following limits:

Pollutants	Emergency Generator		Fire Pump	
	lb/hr	tons per year*	lb/hr	tons per year*
SO_2	6.5	1.6	3.3	0.825
PM_{10}	1.13	0.28	0.56	0.14
CO	8.85	2.21	4.43	1.11
NO_x	20.9	5.23	10.5	2.6
VOC	1.21	0.30	0.64	0.16

f. The permittee shall perform annual maintenance of the emergency generator and fire pump engine and shall keep records of this maintenance.
[R14-0024F, Paragraph 7.1.3.].

Fire Pump limits from 40 CFR 60 Subpart IIII Table 4

Pollutants	g/KW-hr (g/HP-hr)
NMHC + NOx	10.5 (7.8)
PM	0.54 (0.40)
CO	3.5 (2.6)

The following requirements are taken verbatim (including paragraph numbering) from 40 CFR 60 Subpart IIII, §60.4211(f) and are applicable to the emergency generator and fire pump engines:

> (f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.
>
> **(f)**(1) There is no time limit on the use of emergency stationary ICE in emergency situations.
>
> **(f)**(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(f)(2)(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(f)(2)(ii) Emergency stationary ICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(f)(2)(iii) Emergency stationary ICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(f)(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraph (f)(3)(i) of this section, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or nonemergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity

_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.)

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement
7.4.5. The permittee shall keep monthly records of hours of operation and a 12-month rolling total for each engine. If the engine is equipped with a non-resettable hour meter, the permittee shall only be required to record the number of hours of operation at the end of the calendar year. Such records shall be maintained in accordance with Condition 3.4.1 of this permit.
[R14-0024F, Paragraph 7.4.1.].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description Coal Crushers

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-C1	Receiving Belt Conveyor	Full enclosure with dust suppressant

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

42" receiving conveyor LC-1, via splitter gate to stacking belt conveyor (L-C2) or transfer belt conveyor (L-C5) via emission points EC-3 and EC-6

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

Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

700 ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
1000 ton/hr	2,550,411 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 ($PM_{2.5}$)	0.014	.018
Particulate Matter (PM_{10})	0.005	0.006
Total Particulate Matter (TSP)	0.001	0.002
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.).

AP-42 Emission Factors, Chapter 11.19.2, Crushed Stone Processing and Pulverized Mineral Processing, August 2004

Applicable Requirements

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

The following conditions and requirements are specific to the coal handling operations:
a. The coal transferred through the facility shall not exceed 2,550,411 tons per year. This compliance with this limit shall be determined by calendar year.
b. Visible emissions from the permanent structures (transfer house L-TH1, Crusher House LCH, Tripper Transfer L-TH2, and boiler building) that house coal crushers, transfer points of coal conveying equipment and coal storage silos shall not exceed 20% opacity on a 6-minute averaging period. Water vapor is not a visible emission.
[40 CFR §60.254(a)].
c. The open stockpile SC-5 shall be limited to a maximum storage capacity of 120,000 tons of coal. Fugitive emissions from the stockpile shall be controlled by the use of water cannon as necessary.
d. All transfer points shall be fully enclosed and equipped with a dust suppression system except for the transfer points located within the boiler building (tripper floor area) and the transfer point feeding the open stockpile SC-5.
e. All transfer points and crushers except for the transfer point feeding the stockpile shall be located in permanent structure.
f. The six (6) coal storage silos shall be enclosed and vent to dust collector CC-21.
   i. Emissions of PM from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.34 lb/hr and 1.35 TPY.
   ii. Emissions of PM-10 from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.29 lb/hr and 1.15 TPY.
   iii. Visible emissions from emission point EC-21 shall not exceed 20 percent opacity on a 6 minute average. Water vapor is not a visible emission.
[Permit R14-0024F, Paragraph 4.1.1].

4.1.2. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; Permit R14-0024F, Paragraph 4.1.2].

_X_ Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with the Condition 3.2.1. of this permit for the purpose of ongoing compliance with the visible emission standards (4.1.1.b. and 4.1.1.f.iii.) from the coal crushers, conveying equipment and coal storage silos. Refer to Table A in Appendix B of this permit for a list of sources.
[Permit R14-0024F, Paragraph 4.2.1].

(continued…)

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**.

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

For the purposes of demonstrating compliance with the requirements in Conditions 4.1.1.a. and 4.1.1.c., the permittee shall monitor and record the daily amount of coal delivered to this facility. Records of such monitor shall be maintained in accordance with Condition 3.4.1. of this permit.
[Permit R14-0024F, Paragraph 4.2.2].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.8(a) and (b), 60.257(a); [Permit R14-0024F, Paragraph 4.3.1].

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[Permit R14-0024F, Paragraph 4.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[Permit R14-0024F, Paragraph 4.4.2].

(continued…)

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.**

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

4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
[Permit R14-0024F, Paragraph 4.4.3].

Reporting Requirements

Within 60 days after completing performance testing as required in 4.3.1., the permittee shall report the result of such testing to the Director and either successfully enter the test data into EPA's WebFire data base located at http://cfpub.epa.gov/oarweb/index.cfm?action=fire.main or mail a copy to:

United States Environmental Protection Agency
Energy Strategies Group - Mail Code: D243-01
109 TW Alexander Dr
RTP, NC 27711
[40 CFR §60.258(d) and 45 CSR §13-6.1; Permit R14-0024F, Paragraph 4.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description Coal Conveyors

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-C2	Stacking Belt Conveyor	Telescopic Chute

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

42" stacking belt conveyor that discharges to a telescopic chute via emission point EC-4 for transfer stockpile SC-5

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	
Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

1000 ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
1000 ton/hr	2,550,411 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 ($PM_{2.5}$)	0.165	0.210
Particulate Matter (PM_{10})	0.330	0.421
Total Particulate Matter (TSP)	0.900	1.148
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.).

AP-42 Emission Factors, Chapter 11.19.2, Crushed Stone Processing and Pulverized Mineral Processing, August 2004

Applicable Requirements

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

The following conditions and requirements are specific to the coal handling operations:
a. The coal transferred through the facility shall not exceed 2,550,411 tons per year. This compliance with this limit shall be determined by calendar year.
b. Visible emissions from the permanent structures (transfer house L-TH1, Crusher House LCH, Tripper Transfer L-TH2, and boiler building) that house coal crushers, transfer points of coal conveying equipment and coal storage silos shall not exceed 20% opacity on a 6-minute averaging period. Water vapor is not a visible emission.
[40 CFR §60.254(a)].
c. The open stockpile SC-5 shall be limited to a maximum storage capacity of 120,000 tons of coal. Fugitive emissions from the stockpile shall be controlled by the use of water cannon as necessary.
d. All transfer points shall be fully enclosed and equipped with a dust suppression system except for the transfer points located within the boiler building (tripper floor area) and the transfer point feeding the open stockpile SC-5.
e. All transfer points and crushers except for the transfer point feeding the stockpile shall be located in permanent structure.
f. The six (6) coal storage silos shall be enclosed and vent to dust collector CC-21.
   i. Emissions of PM from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.34 lb/hr and 1.35 TPY.
   ii. Emissions of PM-10 from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.29 lb/hr and 1.15 TPY.
   iii. Visible emissions from emission point EC-21 shall not exceed 20 percent opacity on a 6 minute average. Water vapor is not a visible emission.
[Permit R14-0024F, Paragraph 4.1.1].

4.1.2. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; Permit R14-0024F, Paragraph 4.1.2].

_X_ Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with the Condition 3.2.1. of this permit for the purpose of ongoing compliance with the visible emission standards (4.1.1.b. and 4.1.1.f.iii.) from the coal crushers, conveying equipment and coal storage silos. Refer to Table A in Appendix B of this permit for a list of sources.
[Permit R14-0024F, Paragraph 4.2.1].

(continued…)

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**.

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

For the purposes of demonstrating compliance with the requirements in Conditions 4.1.1.a. and 4.1.1.c., the permittee shall monitor and record the daily amount of coal delivered to this facility. Records of such monitor shall be maintained in accordance with Condition 3.4.1. of this permit.
[Permit R14-0024F, Paragraph 4.2.2].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.8(a) and (b), 60.257(a); [Permit R14-0024F, Paragraph 4.3.1].

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[Permit R14-0024F, Paragraph 4.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all requiredpollution control equipment inspection and/or preventative maintenance procedures.
[Permit R14-0024F, Paragraph 4.4.2].

(continued…)

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.**

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

4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
[Permit R14-0024F, Paragraph 4.4.3].

Reporting Requirements

Within 60 days after completing performance testing as required in 4.3.1., the permittee shall report the result of such testing to the Director and either successfully enter the test data into EPA's WebFire data base located at http://cfpub.epa.gov/oarweb/index.cfm?action=fire.main or mail a copy to:

United States Environmental Protection Agency
Energy Strategies Group - Mail Code: D243-01
109 TW Alexander Dr
RTP, NC 27711
[40 CFR §60.258(d) and 45 CSR §13-6.1; Permit R14-0024F, Paragraph 4.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-C5	Coal Stockpile	Water Spray

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

Coal stockpile with underground reclaim – emissions are for wind erosion from stockpile .

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

Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

120,000 tons maximum storage capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
1000 ton/hr	2,550,411 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 ($PM_{2.5}$)	0.52	2.26
Particulate Matter (PM_{10})	1.29	5.66
Total Particulate Matter (TSP)	2.58	11.31
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.).

AP-42 Emission Factors, Chapter 13.5.5, Industrial Wind Erosion, November 2006.

Applicable Requirements

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

The following conditions and requirements are specific to the coal handling operations:
a. The coal transferred through the facility shall not exceed 2,550,411 tons per year. This compliance with this limit shall be determined by calendar year.
b. Visible emissions from the permanent structures (transfer house L-TH1, Crusher House LCH, Tripper Transfer L-TH2, and boiler building) that house coal crushers, transfer points of coal conveying equipment and coal storage silos shall not exceed 20% opacity on a 6-minute averaging period. Water vapor is not a visible emission.
[40 CFR §60.254(a)].
c. The open stockpile SC-5 shall be limited to a maximum storage capacity of 120,000 tons of coal. Fugitive emissions from the stockpile shall be controlled by the use of water cannon as necessary.
d. All transfer points shall be fully enclosed and equipped with a dust suppression system except for the transfer points located within the boiler building (tripper floor area) and the transfer point feeding the open stockpile SC-5.
e. All transfer points and crushers except for the transfer point feeding the stockpile shall be located in permanent structure.
f. The six (6) coal storage silos shall be enclosed and vent to dust collector CC-21.
   i. Emissions of PM from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.34 lb/hr and 1.35 TPY.
   ii. Emissions of PM-10 from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.29 lb/hr and 1.15 TPY.
   iii. Visible emissions from emission point EC-21 shall not exceed 20 percent opacity on a 6 minute average. Water vapor is not a visible emission.
[Permit R14-0024F, Paragraph 4.1.1].

4.1.2. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; Permit R14-0024F, Paragraph 4.1.2].

_X_ Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with the Condition 3.2.1. of this permit for the purpose of ongoing compliance with the visible emission standards (4.1.1.b. and 4.1.1.f.iii.) from the coal crushers, conveying equipment and coal storage silos. Refer to Table A in Appendix B of this permit for a list of sources.
[Permit R14-0024F, Paragraph 4.2.1].

(continued…)

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**.

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

For the purposes of demonstrating compliance with the requirements in Conditions 4.1.1.a. and 4.1.1.c., the permittee shall monitor and record the daily amount of coal delivered to this facility. Records of such monitor shall be maintained in accordance with Condition 3.4.1. of this permit.
[Permit R14-0024F, Paragraph 4.2.2].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.8(a) and (b), 60.257(a); [Permit R14-0024F, Paragraph 4.3.1].

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[Permit R14-0024F, Paragraph 4.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[Permit R14-0024F, Paragraph 4.4.2].

(continued…)

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.**

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

4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
[Permit R14-0024F, Paragraph 4.4.3].

Reporting Requirements

Within 60 days after completing performance testing as required in 4.3.1., the permittee shall report the result of such testing to the Director and either successfully enter the test data into EPA's WebFire data base located at http://cfpub.epa.gov/oarweb/index.cfm?action=fire.main or mail a copy to:

United States Environmental Protection Agency
Energy Strategies Group - Mail Code: D243-01
109 TW Alexander Dr
RTP, NC 27711
[40 CFR §60.258(d) and 45 CSR §13-6.1; Permit R14-0024F, Paragraph 4.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description Coal Conveyors

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-C3	Reclaim Belt Conveyor	Full Enclosure with Dust Suppressant

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

36" Reclaim belt conveyor (L-C3), which discharges via emission point EC-7 to the crusher surge bin (L-SB)

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

Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

700 ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
700 ton/hr	2,550,411 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 ($PM_{2.5}$)	0.001	0.03*
Particulate Matter (PM_{10})	0.003	0.09*
Total Particulate Matter (TSP)	0.010	0.18*
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.).

AP-42 Emission Factors, Chapter 11.19.2, Crushed Stone Processing and Pulverized Mineral Processing, August 2004

*Annual emissions are an aggregate value for emission points EC-7 and EC-12, which discharge to crusher surge bins A and B, respectively.

Applicable Requirements

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

The following conditions and requirements are specific to the coal handling operations:
a. The coal transferred through the facility shall not exceed 2,550,411 tons per year. This compliance with this limit shall be determined by calendar year.
b. Visible emissions from the permanent structures (transfer house L-TH1, Crusher House LCH, Tripper Transfer L-TH2, and boiler building) that house coal crushers, transfer points of coal conveying equipment and coal storage silos shall not exceed 20% opacity on a 6-minute averaging period. Water vapor is not a visible emission.
[40 CFR §60.254(a)].
c. The open stockpile SC-5 shall be limited to a maximum storage capacity of 120,000 tons of coal. Fugitive emissions from the stockpile shall be controlled by the use of water cannon as necessary.
d. All transfer points shall be fully enclosed and equipped with a dust suppression system except for the transfer points located within the boiler building (tripper floor area) and the transfer point feeding the open stockpile SC-5.
e. All transfer points and crushers except for the transfer point feeding the stockpile shall be located in permanent structure.
f. The six (6) coal storage silos shall be enclosed and vent to dust collector CC-21.
   i. Emissions of PM from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.34 lb/hr and 1.35 TPY.
   ii. Emissions of PM-10 from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.29 lb/hr and 1.15 TPY.
   iii. Visible emissions from emission point EC-21 shall not exceed 20 percent opacity on a 6 minute average. Water vapor is not a visible emission.
[Permit R14-0024F, Paragraph 4.1.1].

4.1.2. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; Permit R14-0024F, Paragraph 4.1.2].

_X_ Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with the Condition 3.2.1. of this permit for the purpose of ongoing compliance with the visible emission standards (4.1.1.b. and 4.1.1.f.iii.) from the coal crushers, conveying equipment and coal storage silos. Refer to Table A in Appendix B of this permit for a list of sources.
[Permit R14-0024F, Paragraph 4.2.1].

(continued…)

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**.

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

For the purposes of demonstrating compliance with the requirements in Conditions 4.1.1.a. and 4.1.1.c., the permittee shall monitor and record the daily amount of coal delivered to this facility. Records of such monitor shall be maintained in accordance with Condition 3.4.1. of this permit.
[Permit R14-0024F, Paragraph 4.2.2].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.8(a) and (b), 60.257(a); [Permit R14-0024F, Paragraph 4.3.1].

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[Permit R14-0024F, Paragraph 4.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[Permit R14-0024F, Paragraph 4.4.2].

(continued…)

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.**

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

4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
[Permit R14-0024F, Paragraph 4.4.3].

Reporting Requirements

Within 60 days after completing performance testing as required in 4.3.1., the permittee shall report the result of such testing to the Director and either successfully enter the test data into EPA's WebFire data base located at http://cfpub.epa.gov/oarweb/index.cfm?action=fire.main or mail a copy to:

United States Environmental Protection Agency
Energy Strategies Group - Mail Code: D243-01
109 TW Alexander Dr
RTP, NC 27711
[40 CFR §60.258(d) and 45 CSR §13-6.1; Permit R14-0024F, Paragraph 4.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description Coal Conveyors

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-C4 (permitted but not constructed)	Reclaim Belt Conveyor	Full Enclosure with Dust Suppressant

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

36" Reclaim belt conveyor ` which discharges via emission point EC-6 to transfer conveyor (L-C5).

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	
Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

700 ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
700 ton/hr	2,550,411 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 ($PM_{2.5}$)	0.001	0.002*
Particulate Matter (PM_{10})	0.003	0.006*
Total Particulate Matter (TSP)	0.010	0.018*
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.).

AP-42 Emission Factors, Chapter 11.19.2, Crushed Stone Processing and Pulverized Mineral Processing, August 2004

* Annual emissions are for combined emission points SC-3 and SC-6

Applicable Requirements

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

The following conditions and requirements are specific to the coal handling operations:
a. The coal transferred through the facility shall not exceed 2,550,411 tons per year. This compliance with this limit shall be determined by calendar year.
b. Visible emissions from the permanent structures (transfer house L-TH1, Crusher House LCH, Tripper Transfer L-TH2, and boiler building) that house coal crushers, transfer points of coal conveying equipment and coal storage silos shall not exceed 20% opacity on a 6-minute averaging period. Water vapor is not a visible emission.
[40 CFR §60.254(a)].
c. The open stockpile SC-5 shall be limited to a maximum storage capacity of 120,000 tons of coal. Fugitive emissions from the stockpile shall be controlled by the use of water cannon as necessary.
d. All transfer points shall be fully enclosed and equipped with a dust suppression system except for the transfer points located within the boiler building (tripper floor area) and the transfer point feeding the open stockpile SC-5.
e. All transfer points and crushers except for the transfer point feeding the stockpile shall be located in permanent structure.
f. The six (6) coal storage silos shall be enclosed and vent to dust collector CC-21.
   i. Emissions of PM from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.34 lb/hr and 1.35 TPY.
   ii. Emissions of PM-10 from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.29 lb/hr and 1.15 TPY.
   iii. Visible emissions from emission point EC-21 shall not exceed 20 percent opacity on a 6 minute average. Water vapor is not a visible emission.
[Permit R14-0024F, Paragraph 4.1.1].

4.1.2. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; Permit R14-0024F, Paragraph 4.1.2].

_X_ Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with the Condition 3.2.1. of this permit for the purpose of ongoing compliance with the visible emission standards (4.1.1.b. and 4.1.1.f.iii.) from the coal crushers, conveying equipment and coal storage silos. Refer to Table A in Appendix B of this permit for a list of sources.
[Permit R14-0024F, Paragraph 4.2.1].

(continued…)

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**.

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

For the purposes of demonstrating compliance with the requirements in Conditions 4.1.1.a. and 4.1.1.c., the permittee shall monitor and record the daily amount of coal delivered to this facility. Records of such monitor shall be maintained in accordance with Condition 3.4.1. of this permit.
[Permit R14-0024F, Paragraph 4.2.2].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.8(a) and (b), 60.257(a); [Permit R14-0024F, Paragraph 4.3.1].

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[Permit R14-0024F, Paragraph 4.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[Permit R14-0024F, Paragraph 4.4.2].

(continued…)

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.**

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

4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
[Permit R14-0024F, Paragraph 4.4.3].

Reporting Requirements

Within 60 days after completing performance testing as required in 4.3.1., the permittee shall report the result of such testing to the Director and either successfully enter the test data into EPA's WebFire data base located at http://cfpub.epa.gov/oarweb/index.cfm?action=fire.main or mail a copy to:

United States Environmental Protection Agency
Energy Strategies Group - Mail Code: D243-01
109 TW Alexander Dr
RTP, NC 27711
[40 CFR §60.258(d) and 45 CSR §13-6.1; Permit R14-0024F, Paragraph 4.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description Coal Conveyors

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-C5	Transfer Belt Conveyor	Full enclosure with dust suppressant

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

42" transfer belt conveyor (L-C5) to crusher surge bin (L-SB) via emission point EC-12.

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

Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

1000 ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
1000 ton/hr	2,550,411 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 ($PM_{2.5}$)	0.001	0.002*
Particulate Matter (PM_{10})	0.005	0.006*
Total Particulate Matter (TSP)	0.014	0.018*
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.).

AP-42 Emission Factors, Chapter 11.19.2, Crushed Stone Processing and Pulverized Mineral Processing, August 2004

*combined annual emissions for SC-7 and SC-12, through which all coal passes to crushers.

Applicable Requirements

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

The following conditions and requirements are specific to the coal handling operations:
a. The coal transferred through the facility shall not exceed 2,550,411 tons per year. This compliance with this limit shall be determined by calendar year.
b. Visible emissions from the permanent structures (transfer house L-TH1, Crusher House LCH, Tripper Transfer L-TH2, and boiler building) that house coal crushers, transfer points of coal conveying equipment and coal storage silos shall not exceed 20% opacity on a 6-minute averaging period. Water vapor is not a visible emission.
[40 CFR §60.254(a)].
c. The open stockpile SC-5 shall be limited to a maximum storage capacity of 120,000 tons of coal. Fugitive emissions from the stockpile shall be controlled by the use of water cannon as necessary.
d. All transfer points shall be fully enclosed and equipped with a dust suppression system except for the transfer points located within the boiler building (tripper floor area) and the transfer point feeding the open stockpile SC-5.
e. All transfer points and crushers except for the transfer point feeding the stockpile shall be located in permanent structure.
f. The six (6) coal storage silos shall be enclosed and vent to dust collector CC-21.
   i. Emissions of PM from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.34 lb/hr and 1.35 TPY.
   ii. Emissions of PM-10 from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.29 lb/hr and 1.15 TPY.
   iii. Visible emissions from emission point EC-21 shall not exceed 20 percent opacity on a 6 minute average. Water vapor is not a visible emission.
[Permit R14-0024F, Paragraph 4.1.1].

4.1.2. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; Permit R14-0024F, Paragraph 4.1.2].

_X_ Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with the Condition 3.2.1. of this permit for the purpose of ongoing compliance with the visible emission standards (4.1.1.b. and 4.1.1.f.iii.) from the coal crushers, conveying equipment and coal storage silos. Refer to Table A in Appendix B of this permit for a list of sources.
[Permit R14-0024F, Paragraph 4.2.1].

(continued…)

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**.

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

For the purposes of demonstrating compliance with the requirements in Conditions 4.1.1.a. and 4.1.1.c., the permittee shall monitor and record the daily amount of coal delivered to this facility. Records of such monitor shall be maintained in accordance with Condition 3.4.1. of this permit.
[Permit R14-0024F, Paragraph 4.2.2].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.8(a) and (b), 60.257(a); [Permit R14-0024F, Paragraph 4.3.1].

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[Permit R14-0024F, Paragraph 4.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all requiredpollution control equipment inspection and/or preventative maintenance procedures.
[Permit R14-0024F, Paragraph 4.4.2].

(continued…)

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.**

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

4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
[Permit R14-0024F, Paragraph 4.4.3].

Reporting Requirements

Within 60 days after completing performance testing as required in 4.3.1., the permittee shall report the result of such testing to the Director and either successfully enter the test data into EPA's WebFire data base located at http://cfpub.epa.gov/oarweb/index.cfm?action=fire.main or mail a copy to:

United States Environmental Protection Agency
Energy Strategies Group - Mail Code: D243-01
109 TW Alexander Dr
RTP, NC 27711
[40 CFR §60.258(d) and 45 CSR §13-6.1; Permit R14-0024F, Paragraph 4.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description Coal Crusher

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-CRA	Coal Crusher	Full enclosure

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

700 TPH coal crusher A, which discharges via emission point EC-14 for crusher emissions and via emission point EC-16 for transfer point emissions

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

Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

700 ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
700 ton/hr	2,550,411 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 ($PM_{2.5}$)	0.051*	0.092**
Particulate Matter (PM_{10})	0.102*	0.185**
Total Particulate Matter (TSP)	0.259*	0.472**
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.).

AP-42 Emission Factors, Chapter 11.19.2, Crushed Stone Processing and Pulverized Mineral Processing, August 2004

*Hourly emissions are an aggregate value for emission points EC-14 and EC-16, which are the emissions for the crusher and the transfer point associated with the crusher, respectively.

**Annual emissions are an aggregate value for emission points EC-13, EC-14, EC-15, and EC-16, which are all emission points discharging from crushers L-CRB and L-CRA, respectively.

Applicable Requirements

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

The following conditions and requirements are specific to the coal handling operations:
a. The coal transferred through the facility shall not exceed 2,550,411 tons per year. This compliance with this limit shall be determined by calendar year.
b. Visible emissions from the permanent structures (transfer house L-TH1, Crusher House LCH, Tripper Transfer L-TH2, and boiler building) that house coal crushers, transfer points of coal conveying equipment and coal storage silos shall not exceed 20% opacity on a 6-minute averaging period. Water vapor is not a visible emission.
[40 CFR §60.254(a)].
c. The open stockpile SC-5 shall be limited to a maximum storage capacity of 120,000 tons of coal. Fugitive emissions from the stockpile shall be controlled by the use of water cannon as necessary.
d. All transfer points shall be fully enclosed and equipped with a dust suppression system except for the transfer points located within the boiler building (tripper floor area) and the transfer point feeding the open stockpile SC-5.
e. All transfer points and crushers except for the transfer point feeding the stockpile shall be located in permanent structure.
f. The six (6) coal storage silos shall be enclosed and vent to dust collector CC-21.
   i. Emissions of PM from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.34 lb/hr and 1.35 TPY.
   ii. Emissions of PM-10 from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.29 lb/hr and 1.15 TPY.
   iii. Visible emissions from emission point EC-21 shall not exceed 20 percent opacity on a 6 minute average. Water vapor is not a visible emission.
[Permit R14-0024F, Paragraph 4.1.1].

4.1.2. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; Permit R14-0024F, Paragraph 4.1.2].

_X_ Permit Shield

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

Monitoring Requirements
The permittee shall conduct visible emission checks in accordance with the Condition 3.2.1. of this permit for the purpose of ongoing compliance with the visible emission standards (4.1.1.b. and 4.1.1.f.iii.) from the coal crushers, conveying equipment and coal storage silos. Refer to Table A in Appendix B of this permit for a list of sources.
[Permit R14-0024F, Paragraph 4.2.1].

(continued…)

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**.

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

For the purposes of demonstrating compliance with the requirements in Conditions 4.1.1.a. and 4.1.1.c., the permittee shall monitor and record the daily amount of coal delivered to this facility. Records of such monitor shall be maintained in accordance with Condition 3.4.1. of this permit.
[Permit R14-0024F, Paragraph 4.2.2].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.8(a) and (b), 60.257(a); [Permit R14-0024F, Paragraph 4.3.1].

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[Permit R14-0024F, Paragraph 4.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[Permit R14-0024F, Paragraph 4.4.2].

(continued…)

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.**

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

4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
[Permit R14-0024F, Paragraph 4.4.3].

Reporting Requirements

Within 60 days after completing performance testing as required in 4.3.1., the permittee shall report the result of such testing to the Director and either successfully enter the test data into EPA's WebFire data base located at http://cfpub.epa.gov/oarweb/index.cfm?action=fire.main or mail a copy to:

United States Environmental Protection Agency
Energy Strategies Group - Mail Code: D243-01
109 TW Alexander Dr
RTP, NC 27711
[40 CFR §60.258(d) and 45 CSR §13-6.1; Permit R14-0024F, Paragraph 4.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description Coal Crusher

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-CRB	Coal Crusher	Full enclosure

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

700 TPH coal crusher A, which discharges via emission point EC-13 for crusher emissions and via emission point EC-15 for transfer point emissions

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

Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

700 ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
700 ton/hr	2,550,411 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 ($PM_{2.5}$)	0.051*	0.092**
Particulate Matter (PM_{10})	0.102*	0.185**
Total Particulate Matter (TSP)	0.259*	0.472**
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.).

AP-42 Emission Factors, Chapter 11.19.2, Crushed Stone Processing and Pulverized Mineral Processing, August 2004

*Hourly emissions are an aggregate value for emission points EC-13 and EC-15, which are the emissions for the crusher and the transfer point associated with the crusher, respectively.

**Annual emissions are an aggregate value for emission points EC-13, EC-14, EC-15, and EC-16, which are all emission points discharging from crushers L-CRB and L-CRA, respectively.

Applicable Requirements

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

The following conditions and requirements are specific to the coal handling operations:
a. The coal transferred through the facility shall not exceed 2,550,411 tons per year. This compliance with this limit shall be determined by calendar year.
b. Visible emissions from the permanent structures (transfer house L-TH1, Crusher House LCH, Tripper Transfer L-TH2, and boiler building) that house coal crushers, transfer points of coal conveying equipment and coal storage silos shall not exceed 20% opacity on a 6-minute averaging period. Water vapor is not a visible emission.
[40 CFR §60.254(a)].
c. The open stockpile SC-5 shall be limited to a maximum storage capacity of 120,000 tons of coal. Fugitive emissions from the stockpile shall be controlled by the use of water cannon as necessary.
d. All transfer points shall be fully enclosed and equipped with a dust suppression system except for the transfer points located within the boiler building (tripper floor area) and the transfer point feeding the open stockpile SC-5.
e. All transfer points and crushers except for the transfer point feeding the stockpile shall be located in permanent structure.
f. The six (6) coal storage silos shall be enclosed and vent to dust collector CC-21.
   i. Emissions of PM from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.34 lb/hr and 1.35 TPY.
   ii. Emissions of PM-10 from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.29 lb/hr and 1.15 TPY.
   iii. Visible emissions from emission point EC-21 shall not exceed 20 percent opacity on a 6 minute average. Water vapor is not a visible emission.
[Permit R14-0024F, Paragraph 4.1.1].

4.1.2. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; Permit R14-0024F, Paragraph 4.1.2].

_X_ Permit Shield

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

Monitoring Requirements
The permittee shall conduct visible emission checks in accordance with the Condition 3.2.1. of this permit for the purpose of ongoing compliance with the visible emission standards (4.1.1.b. and 4.1.1.f.iii.) from the coal crushers, conveying equipment and coal storage silos. Refer to Table A in Appendix B of this permit for a list of sources.
[Permit R14-0024F, Paragraph 4.2.1].

(continued…)

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**.

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

For the purposes of demonstrating compliance with the requirements in Conditions 4.1.1.a. and 4.1.1.c., the permittee shall monitor and record the daily amount of coal delivered to this facility. Records of such monitor shall be maintained in accordance with Condition 3.4.1. of this permit.
[Permit R14-0024F, Paragraph 4.2.2].

Testing Requirements

(initial compliance demonstration testing complete)

[40CFR§§60.8(a) and (b), 60.257(a); [Permit R14-0024F, Paragraph 4.3.1].

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[Permit R14-0024F, Paragraph 4.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all requiredpollution control equipment inspection and/or preventative maintenance procedures.
[Permit R14-0024F, Paragraph 4.4.2].

(continued…)

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.**

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

4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
[Permit R14-0024F, Paragraph 4.4.3].

Reporting Requirements

Within 60 days after completing performance testing as required in 4.3.1., the permittee shall report the result of such testing to the Director and either successfully enter the test data into EPA's WebFire data base located at http://cfpub.epa.gov/oarweb/index.cfm?action=fire.main or mail a copy to:

United States Environmental Protection Agency
Energy Strategies Group - Mail Code: D243-01
109 TW Alexander Dr
RTP, NC 27711
[40 CFR §60.258(d) and 45 CSR §13-6.1; Permit R14-0024F, Paragraph 4.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-C6B	Plant Feed Belt Conveyor B	Full enclosure with dust suppression

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

36" plant feed belt conveyor L-C6B, which discharges via emission point EC-18

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

Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

700 ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
700 ton/hr	2,550,411 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 ($PM_{2.5}$)	0.001	0.002*
Particulate Matter (PM_{10})	0.003	0.006*
Total Particulate Matter (TSP)	0.010	0.018*
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.).

AP-42 Emission Factors, Chapter 11.19.2, Crushed Stone Processing and Pulverized Mineral Processing, August 2004

*Annual emissions are an aggregate value for emission points EC-18 and EC-19, which discharge from belts L-C6B and L-C6A, respectively.

Applicable Requirements

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

The following conditions and requirements are specific to the coal handling operations:
a. The coal transferred through the facility shall not exceed 2,550,411 tons per year. This compliance with this limit shall be determined by calendar year.
b. Visible emissions from the permanent structures (transfer house L-TH1, Crusher House LCH, Tripper Transfer L-TH2, and boiler building) that house coal crushers, transfer points of coal conveying equipment and coal storage silos shall not exceed 20% opacity on a 6-minute averaging period. Water vapor is not a visible emission.
[40 CFR §60.254(a)].
c. The open stockpile SC-5 shall be limited to a maximum storage capacity of 120,000 tons of coal. Fugitive emissions from the stockpile shall be controlled by the use of water cannon as necessary.
d. All transfer points shall be fully enclosed and equipped with a dust suppression system except for the transfer points located within the boiler building (tripper floor area) and the transfer point feeding the open stockpile SC-5.
e. All transfer points and crushers except for the transfer point feeding the stockpile shall be located in permanent structure.
f. The six (6) coal storage silos shall be enclosed and vent to dust collector CC-21.
   i. Emissions of PM from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.34 lb/hr and 1.35 TPY.
   ii. Emissions of PM-10 from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.29 lb/hr and 1.15 TPY.
   iii. Visible emissions from emission point EC-21 shall not exceed 20 percent opacity on a 6 minute average. Water vapor is not a visible emission.
[Permit R14-0024F, Paragraph 4.1.1].

4.1.2. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; Permit R14-0024F, Paragraph 4.1.2].

_X_ Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with the Condition 3.2.1. of this permit for the purpose of ongoing compliance with the visible emission standards (4.1.1.b. and 4.1.1.f.iii.) from the coal crushers, conveying equipment and coal storage silos. Refer to Table A in Appendix B of this permit for a list of sources.
[Permit R14-0024F, Paragraph 4.2.1].

(continued…)

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**.

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

For the purposes of demonstrating compliance with the requirements in Conditions 4.1.1.a. and 4.1.1.c., the permittee shall monitor and record the daily amount of coal delivered to this facility. Records of such monitor shall be maintained in accordance with Condition 3.4.1. of this permit.
[Permit R14-0024F, Paragraph 4.2.2].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.8(a) and (b), 60.257(a); [Permit R14-0024F, Paragraph 4.3.1].

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[Permit R14-0024F, Paragraph 4.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[Permit R14-0024F, Paragraph 4.4.2].

(continued…)

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.**

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

4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
[Permit R14-0024F, Paragraph 4.4.3].

Reporting Requirements

Within 60 days after completing performance testing as required in 4.3.1., the permittee shall report the result of such testing to the Director and either successfully enter the test data into EPA's WebFire data base located at http://cfpub.epa.gov/oarweb/index.cfm?action=fire.main or mail a copy to:

United States Environmental Protection Agency
Energy Strategies Group - Mail Code: D243-01
109 TW Alexander Dr
RTP, NC 27711
[40 CFR §60.258(d) and 45 CSR §13-6.1; Permit R14-0024F, Paragraph 4.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-C6A	Plant Feed Belt Conveyor A	Full enclosure with dust suppression

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

36" plant feed belt conveyor L-C6A, with traveling tripper, which discharges via emission point EC-19

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

Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

700 ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
700 ton/hr	2,550,411 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 ($PM_{2.5}$)	0.001	0.002*
Particulate Matter (PM_{10})	0.003	0.006*
Total Particulate Matter (TSP)	0.010	0.018*
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.).

AP-42 Emission Factors, Chapter 11.19.2, Crushed Stone Processing and Pulverized Mineral Processing, August 2004

*Annual emissions are an aggregate value for emission points EC-18 and EC-19, which discharge from belts L-C6B and L-C6A, respectively.

Applicable Requirements

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

The following conditions and requirements are specific to the coal handling operations:
a. The coal transferred through the facility shall not exceed 2,550,411 tons per year. This compliance with this limit shall be determined by calendar year.
b. Visible emissions from the permanent structures (transfer house L-TH1, Crusher House LCH, Tripper Transfer L-TH2, and boiler building) that house coal crushers, transfer points of coal conveying equipment and coal storage silos shall not exceed 20% opacity on a 6-minute averaging period. Water vapor is not a visible emission.
[40 CFR §60.254(a)].
c. The open stockpile SC-5 shall be limited to a maximum storage capacity of 120,000 tons of coal. Fugitive emissions from the stockpile shall be controlled by the use of water cannon as necessary.
d. All transfer points shall be fully enclosed and equipped with a dust suppression system except for the transfer points located within the boiler building (tripper floor area) and the transfer point feeding the open stockpile SC-5.
e. All transfer points and crushers except for the transfer point feeding the stockpile shall be located in permanent structure.
f. The six (6) coal storage silos shall be enclosed and vent to dust collector CC-21.
   i. Emissions of PM from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.34 lb/hr and 1.35 TPY.
   ii. Emissions of PM-10 from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.29 lb/hr and 1.15 TPY.
   iii. Visible emissions from emission point EC-21 shall not exceed 20 percent opacity on a 6 minute average. Water vapor is not a visible emission.
[Permit R14-0024F, Paragraph 4.1.1].

4.1.2. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; Permit R14-0024F, Paragraph 4.1.2].

_X_ Permit Shield

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

Monitoring Requirements
The permittee shall conduct visible emission checks in accordance with the Condition 3.2.1. of this permit for the purpose of ongoing compliance with the visible emission standards (4.1.1.b. and 4.1.1.f.iii.) from the coal crushers, conveying equipment and coal storage silos. Refer to Table A in Appendix B of this permit for a list of sources.
[Permit R14-0024F, Paragraph 4.2.1].

(continued…)

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**.

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

For the purposes of demonstrating compliance with the requirements in Conditions 4.1.1.a. and 4.1.1.c., the permittee shall monitor and record the daily amount of coal delivered to this facility. Records of such monitor shall be maintained in accordance with Condition 3.4.1. of this permit.
[Permit R14-0024F, Paragraph 4.2.2].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.8(a) and (b), 60.257(a); [Permit R14-0024F, Paragraph 4.3.1].

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[Permit R14-0024F, Paragraph 4.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all requiredpollution control equipment inspection and/or preventative maintenance procedures.
[Permit R14-0024F, Paragraph 4.4.2].

(continued…)

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.**

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

4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
[Permit R14-0024F, Paragraph 4.4.3].

Reporting Requirements

Within 60 days after completing performance testing as required in 4.3.1., the permittee shall report the result of such testing to the Director and either successfully enter the test data into EPA's WebFire data base located at http://cfpub.epa.gov/oarweb/index.cfm?action=fire.main or mail a copy to:

United States Environmental Protection Agency
Energy Strategies Group - Mail Code: D243-01
109 TW Alexander Dr
RTP, NC 27711
[40 CFR §60.258(d) and 45 CSR §13-6.1; Permit R14-0024F, Paragraph 4.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-TRA SL-TRB	Travelling Trippers	Full enclosure with dust suppression

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

36" Travelling Trippers L-TRA and L-TRB transfer coal to Coal Silos 1-6 and discharge through emission points EC-21A and EC-21B

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

Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

700 ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
700 ton/hr	2,550,411 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 ($PM_{2.5}$)	.001	.002*
Particulate Matter (PM_{10})	.005	.006*
Total Particulate Matter (TSP)	.014	.018*
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.).

AP-42 Emission Factors, Chapter 11.19.2, Crushed Stone Processing and Pulverized Mineral Processing, August 2004

*Emissions are an aggregate value for emission points EC-21A and EC-21B, which discharge from trippers L-TRA and L-TRB, respectively.

Applicable Requirements

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

The following conditions and requirements are specific to the coal handling operations:
a. The coal transferred through the facility shall not exceed 2,550,411 tons per year. This compliance with this limit shall be determined by calendar year.
b. Visible emissions from the permanent structures (transfer house L-TH1, Crusher House LCH, Tripper Transfer L-TH2, and boiler building) that house coal crushers, transfer points of coal conveying equipment and coal storage silos shall not exceed 20% opacity on a 6-minute averaging period. Water vapor is not a visible emission.
[40 CFR §60.254(a)].
c. The open stockpile SC-5 shall be limited to a maximum storage capacity of 120,000 tons of coal. Fugitive emissions from the stockpile shall be controlled by the use of water cannon as necessary.
d. All transfer points shall be fully enclosed and equipped with a dust suppression system except for the transfer points located within the boiler building (tripper floor area) and the transfer point feeding the open stockpile SC-5.
e. All transfer points and crushers except for the transfer point feeding the stockpile shall be located in permanent structure.
f. The six (6) coal storage silos shall be enclosed and vent to dust collector CC-21.
   i. Emissions of PM from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.34 lb/hr and 1.35 TPY.
   ii. Emissions of PM-10 from dust collector CC-21 emitted to the atmosphere at emission point EC-21 shall not exceed 0.29 lb/hr and 1.15 TPY.
   iii. Visible emissions from emission point EC-21 shall not exceed 20 percent opacity on a 6 minute average. Water vapor is not a visible emission.
[Permit R14-0024F, Paragraph 4.1.1].

4.1.2. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; Permit R14-0024F, Paragraph 4.1.2].

_X_ Permit Shield

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

Monitoring Requirements
The permittee shall conduct visible emission checks in accordance with the Condition 3.2.1. of this permit for the purpose of ongoing compliance with the visible emission standards (4.1.1.b. and 4.1.1.f.iii.) from the coal crushers, conveying equipment and coal storage silos. Refer to Table A in Appendix B of this permit for a list of sources.
[Permit R14-0024F, Paragraph 4.2.1].

(continued…)

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**.

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

For the purposes of demonstrating compliance with the requirements in Conditions 4.1.1.a. and 4.1.1.c., the permittee shall monitor and record the daily amount of coal delivered to this facility. Records of such monitor shall be maintained in accordance with Condition 3.4.1. of this permit.
[Permit R14-0024F, Paragraph 4.2.2].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.8(a) and (b), 60.257(a); [Permit R14-0024F, Paragraph 4.3.1].

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[Permit R14-0024F, Paragraph 4.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all requiredpollution control equipment inspection and/or preventative maintenance procedures.
[Permit R14-0024F, Paragraph 4.4.2].

(continued…)

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.**

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

4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
[Permit R14-0024F, Paragraph 4.4.3].

Reporting Requirements

Within 60 days after completing performance testing as required in 4.3.1., the permittee shall report the result of such testing to the Director and either successfully enter the test data into EPA's WebFire data base located at http://cfpub.epa.gov/oarweb/index.cfm?action=fire.main or mail a copy to:

United States Environmental Protection Agency
Energy Strategies Group - Mail Code: D243-01
109 TW Alexander Dr
RTP, NC 27711
[40 CFR §60.258(d) and 45 CSR §13-6.1; Permit R14-0024F, Paragraph 4.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-1	Limestone Truck Hopper	Partial Enclosure

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

150 ton/hr truck hopper/belt feeder

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	
Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

150 ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
150 ton/hr	275,000 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 ($PM_{2.5}$)	.004	.004
Particulate Matter (PM_{10})	.027	.025
Total Particulate Matter (TSP)	.058	.053
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.).

AP-42 Emission Factors, Chapter 13.2.4, Aggregate Handling and Storage Piles, November 2006.

Applicable Requirements

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

Limitations and Standards

7.1.1. The following conditions and requirements are specific to the limestone handling operations:

a. The material (limestone) transferred through the facility shall not exceed the maximum material throughputs as shown in Table 3 – "Limestone Handling Transfer Limits" of this permit.
b. Pollution control mechanisms/measures shall be installed and maintained on all material transfer points in accordance with Table 3 – "Limestone Handling Transfer Limits" of this permit.

Transfer Point		Pollution Control Device	Maximum Throughput	
ID	Description		Tons/Hour	Tons/Year
L-1	Truck Dump to Limestone Hopper Feeder	Partial Enclosure with dust suppression	150	275,000
L-2	Feeder Transfer to Bucket Elevator	Full Enclosure w/dust suppression	150	275,000
L-3	Bucket Elevator Discharge to Pile Tripper Belt	Full Enclosure w/dust suppression	150	275,000
L-4	Belt Transfer to Limestone Pile	Partial Enclosure and Telescopic Chute	150	275,000
L-6	Reclaim Transfer to Reclaim Hopper/Belt	Partial Enclosure	150	275,000
L-9	Bucket Elevator Discharge to Conveyor	Partial Enclosure w/dust Suppression	150	275,000
L-10	Conveyor to Storage Conveyor	Partial Enclosure w/dust suppression	150	275,000
L-12a	Silo Drop to Weigh Feeder	Full Enclosure	82	275,000
L-12b	Silo Drop to Weigh Feeder	Full Enclosure		
L-13a	Ball Mill	Partial Enclosure	82	275,000
L-13b	Ball Mill	Partial Enclosure		

c. Stockpile L-5 shall be limited to a maximum storage capacity of 13,680 tons of limestone.
d. Stockpile L-5 shall be located in an structure with a roof, three full walls and one partial wall.
d. Fugitive emissions from opening (except for vents as defined in 40CFR§60.671) of the limestone storage structure and the building enclosing the ball mill shall not exhibit opacity greater than 7%.
[40CFR§60.672(e)(1)]
e. Any transfer point or any source of fugitive emissions that handles or process limestone that is not located inside a fully enclosed structure shall not exhibit visible emissions greater than 10% opacity on a 6 minute average. This limitation does not apply to visible emissions generated from truck dump (ID L-1).
[40CFR§§60.672(b) and (d)]
f. The limestone day silo (SL-11) shall be enclosed and vent to a dust collector (EL-11).
   i. PM from emission point EL-11 shall not exceed 0.69 lb/hr based on a three-hour block averaging period and 0.86 TPY.
   ii. PM10 from emission point EL-11 shall not exceed 0.58 lb/hr based on a three-hour block averaging period and 0.73 TPY.
   iii. Visible emissions from emission point EL-11 shall not exceed 7% opacity on a six minute block averaging period.
[40CFR §60.672(f)]
[R14-0024F, Paragraph 7.1.1].

_X_ Permit Shield

Applicable Requirements

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

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary. **[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].**

X Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with Condition 3.2.1. of this permit for the purpose of determining ongoing compliance with the visible emission standards (7.1.1.d. and 7.1.1.e.) from the limestone structures, limestone silo, and any other transfer point not located within a structure. Refer to Table B in Appendix B of this permit for a list of sources.
[R14-0024F, Paragraph 7.2.1].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.675(e) and (g); R14-0024F, Paragraph 7.3.1].

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

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.

(continued…)

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.

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

g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-2	Truck Feeder Belt Conveyor	Full Enclosure

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

150 TPH truck feeder belt conveyor, which discharges to limestone bucket elevator via emission point EL-2

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

Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

150 ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
150 ton/hr	275,000 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 ($PM_{2.5}$)	0.0002	0.0002
Particulate Matter (PM_{10})	0.001	0.001
Total Particulate Matter (TSP)	0.002	0.002
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.).

AP-42 Emission Factors, Chapter 11.19.2, Crushed Stone Processing and Pulverized Mineral Processing, August 2004

Applicable Requirements

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

Limitations and Standards

7.1.1. The following conditions and requirements are specific to the limestone handling operations:

a. The material (limestone) transferred through the facility shall not exceed the maximum material throughputs as shown in Table 3 – "Limestone Handling Transfer Limits" of this permit.
b. Pollution control mechanisms/measures shall be installed and maintained on all material transfer points in accordance with Table 3 – "Limestone Handling Transfer Limits" of this permit.

Transfer Point		Pollution Control Device	Maximum Throughput	
ID	Description		Tons/Hour	Tons/Year
L-1	Truck Dump to Limestone Hopper Feeder	Partial Enclosure with dust suppression	150	275,000
L-2	Feeder Transfer to Bucket Elevator	Full Enclosure w/dust suppression	150	275,000
L-3	Bucket Elevator Discharge to Pile Tripper Belt	Full Enclosure w/dust suppression	150	275,000
L-4	Belt Transfer to Limestone Pile	Partial Enclosure and Telescopic Chute	150	275,000
L-6	Reclaim Transfer to Reclaim Hopper/Belt	Partial Enclosure	150	275,000
L-9	Bucket Elevator Discharge to Conveyor	Partial Enclosure w/dust Suppression	150	275,000
L-10	Conveyor to Storage Conveyor	Partial Enclosure w/dust suppression	150	275,000
L-12a	Silo Drop to Weigh Feeder	Full Enclosure	82	275,000
L-12b	Silo Drop to Weigh Feeder	Full Enclosure		
L-13a	Ball Mill	Partial Enclosure	82	275,000
L-13b	Ball Mill	Partial Enclosure		

c. Stockpile L-5 shall be limited to a maximum storage capacity of 13,680 tons of limestone.
d. Stockpile L-5 shall be located in an structure with a roof, three full walls and one partial wall.
d. Fugitive emissions from opening (except for vents as defined in 40CFR§60.671) of the limestone storage structure and the building enclosing the ball mill shall not exhibit opacity greater than 7%.
[40CFR§60.672(e)(1)]
e. Any transfer point or any source of fugitive emissions that handles or process limestone that is not located inside a fully enclosed structure shall not exhibit visible emissions greater than 10% opacity on a 6 minute average. This limitation does not apply to visible emissions generated from truck dump (ID L-1).
[40CFR§§60.672(b) and (d)]
f. The limestone day silo (SL-11) shall be enclosed and vent to a dust collector (EL-11).
   i. PM from emission point EL-11 shall not exceed 0.69 lb/hr based on a three-hour block averaging period and 0.86 TPY.
   ii. PM10 from emission point EL-11 shall not exceed 0.58 lb/hr based on a three-hour block averaging period and 0.73 TPY.
   iii. Visible emissions from emission point EL-11 shall not exceed 7% opacity on a sixminute block averaging period.
[40CFR §60.672(f)]
[R14-0024F, Paragraph 7.1.1].

_X_ Permit Shield

Applicable Requirements

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

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary. **[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].**

X Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with Condition 3.2.1. of this permit for the purpose of determining ongoing compliance with the visible emission standards (7.1.1.d. and 7.1.1.e.) from the limestone structures, limestone silo, and any other transfer point not located within a structure. Refer to Table B in Appendix B of this permit for a list of sources.
[R14-0024F, Paragraph 7.2.1].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.675(c) and (d)]
[40CFR§§60.675(e) and (g); R14-0024F, Paragraph 7.3.1].

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

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.

(continued…)

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.

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

g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-3	Limestone Bucket Elevator	Full Enclosure

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

150 TPH limestone bucket elevator, which discharges to the limestone bypass conveyor via emission point EL-9 or to the limestone storage building tripper conveyor via emission point EL-3

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

Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

150 ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
150 ton/hr	275,000 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 ($PM_{2.5}$)	0.083*	0.076*
Particulate Matter (PM_{10})	0.166*	0.151*
Total Particulate Matter (TSP)	0.452*	0.413*
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.).

AP-42 Emission Factors, Chapter 11.19.2, Crushed Stone Processing and Pulverized Mineral Processing, August 2004.

***** Emissions are an aggregate value for emission points EL-3 and EL-9, both of which discharge from limestone bucket elevator L-3 via a flop gate valve.

Applicable Requirements

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

Limitations and Standards

7.1.1. The following conditions and requirements are specific to the limestone handling operations:

a. The material (limestone) transferred through the facility shall not exceed the maximum material throughputs as shown in Table 3 – "Limestone Handling Transfer Limits" of this permit.
b. Pollution control mechanisms/measures shall be installed and maintained on all material transfer points in accordance with Table 3 – "Limestone Handling Transfer Limits" of this permit.

Transfer Point		Pollution Control Device	Maximum Throughput	
ID	Description		Tons/Hour	Tons/Year
L-1	Truck Dump to Limestone Hopper Feeder	Partial Enclosure with dust suppression	150	275,000
L-2	Feeder Transfer to Bucket Elevator	Full Enclosure w/dust suppression	150	275,000
L-3	Bucket Elevator Discharge to Pile Tripper Belt	Full Enclosure w/dust suppression	150	275,000
L-4	Belt Transfer to Limestone Pile	Partial Enclosure and Telescopic Chute	150	275,000
L-6	Reclaim Transfer to Reclaim Hopper/Belt	Partial Enclosure	150	275,000
L-9	Bucket Elevator Discharge to Conveyor	Partial Enclosure w/dust Suppression	150	275,000
L-10	Conveyor to Storage Conveyor	Partial Enclosure w/dust suppression	150	275,000
L-12a	Silo Drop to Weigh Feeder	Full Enclosure	82	275,000
L-12b	Silo Drop to Weigh Feeder	Full Enclosure		
L-13a	Ball Mill	Partial Enclosure	82	275,000
L-13b	Ball Mill	Partial Enclosure		

c. Stockpile L-5 shall be limited to a maximum storage capacity of 13,680 tons of limestone.
d. Stockpile L-5 shall be located in an structure with a roof, three full walls and one partial wall.
d. Fugitive emissions from opening (except for vents as defined in 40CFR§60.671) of the limestone storage structure and the building enclosing the ball mill shall not exhibit opacity greater than 7%.
[40CFR§60.672(e)(1)]
e. Any transfer point or any source of fugitive emissions that handles or process limestone that is not located inside a fully enclosed structure shall not exhibit visible emissions greater than 10% opacity on a 6 minute average. This limitation does not apply to visible emissions generated from truck dump (ID L-1).
[40CFR§§60.672(b) and (d)]
f. The limestone day silo (SL-11) shall be enclosed and vent to a dust collector (EL-11).
   i. PM from emission point EL-11 shall not exceed 0.69 lb/hr based on a three-hour block averaging period and 0.86 TPY.
   ii. PM10 from emission point EL-11 shall not exceed 0.58 lb/hr based on a three-hour block averaging period and 0.73 TPY.
   iii. Visible emissions from emission point EL-11 shall not exceed 7% opacity on a sixminute block averaging period.
[40CFR §60.672(f)]
[R14-0024F, Paragraph 7.1.1].

_X_ Permit Shield

Applicable Requirements

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

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary. **[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].**

X Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with Condition 3.2.1. of this permit for the purpose of determining ongoing compliance with the visible emission standards (7.1.1.d. and 7.1.1.e.) from the limestone structures, limestone silo, and any other transfer point not located within a structure. Refer to Table B in Appendix B of this permit for a list of sources.
[R14-0024F, Paragraph 7.2.1].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.675(c) and (d)]
[40CFR§§60.675(e) and (g); R14-0024F, Paragraph 7.3.1].

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

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

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.

(continued…)

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.

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

g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-4	Limestone Storage Building Tripper Conveyor	Partial Enclosure with Telescopic Chute

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

150 ton/hr limestone storage building tripper conveyor, which discharges to the limestone storage pile via emission point EL-4.

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

Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

150ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
150 ton/hr	275,000 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 ($PM_{2.5}$)	0.008	0.008
Particulate Matter (PM_{10})	0.055	0.050
Total Particulate Matter (TSP)	0.116	0.106
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.).

AP-42 Emission Factors, Chapter 13.2.4, Aggregate Handling and Storage Piles, November 2006.

Applicable Requirements

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

Limitations and Standards

7.1.1. The following conditions and requirements are specific to the limestone handling operations:

a. The material (limestone) transferred through the facility shall not exceed the maximum material throughputs as shown in Table 3 – "Limestone Handling Transfer Limits" of this permit.
b. Pollution control mechanisms/measures shall be installed and maintained on all material transfer points in accordance with Table 3 – "Limestone Handling Transfer Limits" of this permit.

Transfer Point		Pollution Control Device	Maximum Throughput	
ID	Description		Tons/Hour	Tons/Year
L-1	Truck Dump to Limestone Hopper Feeder	Partial Enclosure with dust suppression	150	275,000
L-2	Feeder Transfer to Bucket Elevator	Full Enclosure w/dust suppression	150	275,000
L-3	Bucket Elevator Discharge to Pile Tripper Belt	Full Enclosure w/dust suppression	150	275,000
L-4	Belt Transfer to Limestone Pile	Partial Enclosure and Telescopic Chute	150	275,000
L-6	Reclaim Transfer to Reclaim Hopper/Belt	Partial Enclosure	150	275,000
L-9	Bucket Elevator Discharge to Conveyor	Partial Enclosure w/dust Suppression	150	275,000
L-10	Conveyor to Storage Conveyor	Partial Enclosure w/dust suppression	150	275,000
L-12a	Silo Drop to Weigh Feeder	Full Enclosure	82	275,000
L-12b	Silo Drop to Weigh Feeder	Full Enclosure		
L-13a	Ball Mill	Partial Enclosure	82	275,000
L-13b	Ball Mill	Partial Enclosure		

c. Stockpile L-5 shall be limited to a maximum storage capacity of 13,680 tons of limestone.
d. Stockpile L-5 shall be located in an structure with a roof, three full walls and one partial wall.
d. Fugitive emissions from opening (except for vents as defined in 40CFR§60.671) of the limestone storage structure and the building enclosing the ball mill shall not exhibit opacity greater than 7%.
[40CFR§60.672(e)(1)]
e. Any transfer point or any source of fugitive emissions that handles or process limestone that is not located inside a fully enclosed structure shall not exhibit visible emissions greater than 10% opacity on a 6 minute average. This limitation does not apply to visible emissions generated from truck dump (ID L-1).
[40CFR§§60.672(b) and (d)]
f. The limestone day silo (SL-11) shall be enclosed and vent to a dust collector (EL-11).
   i. PM from emission point EL-11 shall not exceed 0.69 lb/hr based on a three-hour block averaging period and 0.86 TPY.
   ii. PM10 from emission point EL-11 shall not exceed 0.58 lb/hr based on a three-hour block averaging period and 0.73 TPY.
   iii. Visible emissions from emission point EL-11 shall not exceed 7% opacity on a six minute block averaging period.
[40CFR §60.672(f)]
[R14-0024F, Paragraph 7.1.1].

_X_ Permit Shield

Applicable Requirements

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

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary. **[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].**

X Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with Condition 3.2.1. of this permit for the purpose of determining ongoing compliance with the visible emission standards (7.1.1.d. and 7.1.1.e.) from the limestone structures, limestone silo, and any other transfer point not located within a structure. Refer to Table B in Appendix B of this permit for a list of sources.
[R14-0024F, Paragraph 7.2.1].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.675(c) and (d)]
[40CFR§§60.675(e) and (g); R14-0024F, Paragraph 7.3.1].

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

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-5	Limestone Storage Pile	Partial Enclosure

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

Limestone storage pile

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	
Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

13,680 tons storage capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
150 ton/hr	275,000 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 ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
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.).

AP-42 Emission Factors, Chapter 13.5.5, Industrial Wind Erosion, November 2006.

Applicable Requirements

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

Limitations and Standards

7.1.1. The following conditions and requirements are specific to the limestone handling operations:

a. The material (limestone) transferred through the facility shall not exceed the maximum material throughputs as shown in Table 3 – "Limestone Handling Transfer Limits" of this permit.
b. Pollution control mechanisms/measures shall be installed and maintained on all material transfer points in accordance with Table 3 – "Limestone Handling Transfer Limits" of this permit.

Transfer Point		Pollution Control Device	Maximum Throughput	
ID	Description		Tons/Hour	Tons/Year
L-1	Truck Dump to Limestone Hopper Feeder	Partial Enclosure with dust suppression	150	275,000
L-2	Feeder Transfer to Bucket Elevator	Full Enclosure w/dust suppression	150	275,000
L-3	Bucket Elevator Discharge to Pile Tripper Belt	Full Enclosure w/dust suppression	150	275,000
L-4	Belt Transfer to Limestone Pile	Partial Enclosure and Telescopic Chute	150	275,000
L-6	Reclaim Transfer to Reclaim Hopper/Belt	Partial Enclosure	150	275,000
L-9	Bucket Elevator Discharge to Conveyor	Partial Enclosure w/dust Suppression	150	275,000
L-10	Conveyor to Storage Conveyor	Partial Enclosure w/dust suppression	150	275,000
L-12a	Silo Drop to Weigh Feeder	Full Enclosure	82	275,000
L-12b	Silo Drop to Weigh Feeder	Full Enclosure		
L-13a	Ball Mill	Partial Enclosure	82	275,000
L-13b	Ball Mill	Partial Enclosure		

c. Stockpile L-5 shall be limited to a maximum storage capacity of 13,680 tons of limestone.
d. Stockpile L-5 shall be located in an structure with a roof, three full walls and one partial wall.
d. Fugitive emissions from opening (except for vents as defined in 40CFR§60.671) of the limestone storage structure and the building enclosing the ball mill shall not exhibit opacity greater than 7%.
[40CFR§60.672(e)(1)]
e. Any transfer point or any source of fugitive emissions that handles or process limestone that is not located inside a fully enclosed structure shall not exhibit visible emissions greater than 10% opacity on a 6 minute average. This limitation does not apply to visible emissions generated from truck dump (ID L-1).
[40CFR§§60.672(b) and (d)]
f. The limestone day silo (SL-11) shall be enclosed and vent to a dust collector (EL-11).
   i. PM from emission point EL-11 shall not exceed 0.69 lb/hr based on a three-hour block averaging period and 0.86 TPY.
   ii. PM10 from emission point EL-11 shall not exceed 0.58 lb/hr based on a three-hour block averaging period and 0.73 TPY.
   iii. Visible emissions from emission point EL-11 shall not exceed 7% opacity on a sixminute block averaging period.
[40CFR §60.672(f)]
[R14-0024F, Paragraph 7.1.1].

_X_ Permit Shield

Applicable Requirements

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

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary. **[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].**

X Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with Condition 3.2.1. of this permit for the purpose of determining ongoing compliance with the visible emission standards (7.1.1.d. and 7.1.1.e.) from the limestone structures, limestone silo, and any other transfer point not located within a structure. Refer to Table B in Appendix B of this permit for a list of sources.
[R14-0024F, Paragraph 7.2.1].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.675(c) and (d)]
[40CFR§§60.675(e) and (g); R14-0024F, Paragraph 7.3.1].

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

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.

(continued…)

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.

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

g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-6	Limestone Storage Building Reclaim Hopper	Partial Enclosure

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

150 ton/hr limestone storage building reclaim hopper, which discharges to the limestone reclaim feeder conveyor via emission point EL-6.

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

Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

150ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
150 ton/hr	275,000 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 ($PM_{2.5}$)	.008	0.008
Particulate Matter (PM_{10})	0.055	0.050
Total Particulate Matter (TSP)	0.116	0.106
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.).

AP-42 Emission Factors, Chapter 13.2.4, Aggregate Handling and Storage Piles, November 2006.

Applicable Requirements

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

Limitations and Standards

7.1.1. The following conditions and requirements are specific to the limestone handling operations:

a. The material (limestone) transferred through the facility shall not exceed the maximum material throughputs as shown in Table 3 – "Limestone Handling Transfer Limits" of this permit.
b. Pollution control mechanisms/measures shall be installed and maintained on all material transfer points in accordance with Table 3 – "Limestone Handling Transfer Limits" of this permit.

Transfer Point		Pollution Control Device	Maximum Throughput	
ID	Description		Tons/Hour	Tons/Year
L-1	Truck Dump to Limestone Hopper Feeder	Partial Enclosure with dust suppression	150	275,000
L-2	Feeder Transfer to Bucket Elevator	Full Enclosure w/dust suppression	150	275,000
L-3	Bucket Elevator Discharge to Pile Tripper Belt	Full Enclosure w/dust suppression	150	275,000
L-4	Belt Transfer to Limestone Pile	Partial Enclosure and Telescopic Chute	150	275,000
L-6	Reclaim Transfer to Reclaim Hopper/Belt	Partial Enclosure	150	275,000
L-9	Bucket Elevator Discharge to Conveyor	Partial Enclosure w/dust Suppression	150	275,000
L-10	Conveyor to Storage Conveyor	Partial Enclosure w/dust suppression	150	275,000
L-12a	Silo Drop to Weigh Feeder	Full Enclosure	82	275,000
L-12b	Silo Drop to Weigh Feeder	Full Enclosure		
L-13a	Ball Mill	Partial Enclosure	82	275,000
L-13b	Ball Mill	Partial Enclosure		

c. Stockpile L-5 shall be limited to a maximum storage capacity of 13,680 tons of limestone.
d. Stockpile L-5 shall be located in an structure with a roof, three full walls and one partial wall.
d. Fugitive emissions from opening (except for vents as defined in 40CFR§60.671) of the limestone storage structure and the building enclosing the ball mill shall not exhibit opacity greater than 7%.
[40CFR§60.672(e)(1)]
e. Any transfer point or any source of fugitive emissions that handles or process limestone that is not located inside a fully enclosed structure shall not exhibit visible emissions greater than 10% opacity on a 6 minute average. This limitation does not apply to visible emissions generated from truck dump (ID L-1).
[40CFR§§60.672(b) and (d)]
f. The limestone day silo (SL-11) shall be enclosed and vent to a dust collector (EL-11).
   i. PM from emission point EL-11 shall not exceed 0.69 lb/hr based on a three-hour block averaging period and 0.86 TPY.
   ii. PM10 from emission point EL-11 shall not exceed 0.58 lb/hr based on a three-hour block averaging period and 0.73 TPY.
   iii. Visible emissions from emission point EL-11 shall not exceed 7% opacity on a sixminute block averaging period.
[40CFR §60.672(f)]
[R14-0024F, Paragraph 7.1.1].

_X_ Permit Shield

Applicable Requirements

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

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary. **[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].**

X Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with Condition 3.2.1. of this permit for the purpose of determining ongoing compliance with the visible emission standards (7.1.1.d. and 7.1.1.e.) from the limestone structures, limestone silo, and any other transfer point not located within a structure. Refer to Table B in Appendix B of this permit for a list of sources.
[R14-0024F, Paragraph 7.2.1].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.675(e) and (g); R14-0024F, Paragraph 7.3.1].

[40CFR§§60.675(c) and (d)]

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.

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.

(continued…)

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.

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

g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-10	Limestone Bypass Conveyor	Partial Enclosure with Dust Suppression

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

150 TPH bypass conveyor which discharges to the reclaim feeder conveyor via emission point EL-10.

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

Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

150 ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
150 ton/hr	275,000 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 ($PM_{2.5}$)	0.002	002
Particulate Matter (PM_{10})	0.007	006
Total Particulate Matter (TSP)	0.021	019
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.).

AP-42 Emission Factors, Chapter 11.19.2, Crushed Stone Processing and Pulverized Mineral Processing, August 2004

Applicable Requirements

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

Limitations and Standards

7.1.1. The following conditions and requirements are specific to the limestone handling operations:

a. The material (limestone) transferred through the facility shall not exceed the maximum material throughputs as shown in Table 3 – "Limestone Handling Transfer Limits" of this permit.
b. Pollution control mechanisms/measures shall be installed and maintained on all material transfer points in accordance with Table 3 – "Limestone Handling Transfer Limits" of this permit.

Transfer Point		Pollution Control Device	Maximum Throughput	
ID	Description		Tons/Hour	Tons/Year
L-1	Truck Dump to Limestone Hopper Feeder	Partial Enclosure with dust suppression	150	275,000
L-2	Feeder Transfer to Bucket Elevator	Full Enclosure w/dust suppression	150	275,000
L-3	Bucket Elevator Discharge to Pile Tripper Belt	Full Enclosure w/dust suppression	150	275,000
L-4	Belt Transfer to Limestone Pile	Partial Enclosure and Telescopic Chute	150	275,000
L-6	Reclaim Transfer to Reclaim Hopper/Belt	Partial Enclosure	150	275,000
L-9	Bucket Elevator Discharge to Conveyor	Partial Enclosure w/dust Suppression	150	275,000
L-10	Conveyor to Storage Conveyor	Partial Enclosure w/dust suppression	150	275,000
L-12a	Silo Drop to Weigh Feeder	Full Enclosure	82	275,000
L-12b	Silo Drop to Weigh Feeder	Full Enclosure		
L-13a	Ball Mill	Partial Enclosure	82	275,000
L-13b	Ball Mill	Partial Enclosure		

c. Stockpile L-5 shall be limited to a maximum storage capacity of 13,680 tons of limestone.
d. Stockpile L-5 shall be located in an structure with a roof, three full walls and one partial wall.
d. Fugitive emissions from opening (except for vents as defined in 40CFR§60.671) of the limestone storage structure and the building enclosing the ball mill shall not exhibit opacity greater than 7%.
[40CFR§60.672(e)(1)]
e. Any transfer point or any source of fugitive emissions that handles or process limestone that is not located inside a fully enclosed structure shall not exhibit visible emissions greater than 10% opacity on a 6 minute average. This limitation does not apply to visible emissions generated from truck dump (ID L-1).
[40CFR§§60.672(b) and (d)]
f. The limestone day silo (SL-11) shall be enclosed and vent to a dust collector (EL-11).
   i. PM from emission point EL-11 shall not exceed 0.69 lb/hr based on a three-hour block averaging period and 0.86 TPY.
   ii. PM10 from emission point EL-11 shall not exceed 0.58 lb/hr based on a three-hour block averaging period and 0.73 TPY.
   iii. Visible emissions from emission point EL-11 shall not exceed 7% opacity on a sixminute block averaging period.
[40CFR §60.672(f)]
[R14-0024F, Paragraph 7.1.1].

_X_ Permit Shield

Applicable Requirements

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

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary. **[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].**

X Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with Condition 3.2.1. of this permit for the purpose of determining ongoing compliance with the visible emission standards (7.1.1.d. and 7.1.1.e.) from the limestone structures, limestone silo, and any other transfer point not located within a structure. Refer to Table B in Appendix B of this permit for a list of sources.
[R14-0024F, Paragraph 7.2.1].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.675(c) and (d)]
[40CFR§§60.675(e) and (g); R14-0024F, Paragraph 7.3.1].

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

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-11	Reclaim Feeder Conveyor	

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

150 TPH reclaim feeder conveyor, which discharges to the limestone silo via emission point EL-11.

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

Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

150 ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
150 ton/hr	275,000 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 ($PM_{2.5}$)	0.001	0.001
Particulate Matter (PM_{10})	0.002	0.002
Total Particulate Matter (TSP)	0.004	0.004
Sulfur Dioxide (SO_2)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

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

AP-42 Emission Factors, Chapter 11..6-4, Portland Cement Manufacturing, January, 1995

Applicable Requirements

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

Limitations and Standards

7.1.1. The following conditions and requirements are specific to the limestone handling operations:

a. The material (limestone) transferred through the facility shall not exceed the maximum material throughputs as shown in Table 3 – "Limestone Handling Transfer Limits" of this permit.
b. Pollution control mechanisms/measures shall be installed and maintained on all material transfer points in accordance with Table 3 – "Limestone Handling Transfer Limits" of this permit.

Transfer Point		Pollution Control Device	Maximum Throughput	
ID	Description		Tons/Hour	Tons/Year
L-1	Truck Dump to Limestone Hopper Feeder	Partial Enclosure with dust suppression	150	275,000
L-2	Feeder Transfer to Bucket Elevator	Full Enclosure w/dust suppression	150	275,000
L-3	Bucket Elevator Discharge to Pile Tripper Belt	Full Enclosure w/dust suppression	150	275,000
L-4	Belt Transfer to Limestone Pile	Partial Enclosure and Telescopic Chute	150	275,000
L-6	Reclaim Transfer to Reclaim Hopper/Belt	Partial Enclosure	150	275,000
L-9	Bucket Elevator Discharge to Conveyor	Partial Enclosure w/dust Suppression	150	275,000
L-10	Conveyor to Storage Conveyor	Partial Enclosure w/dust suppression	150	275,000
L-12a	Silo Drop to Weigh Feeder	Full Enclosure	82	275,000
L-12b	Silo Drop to Weigh Feeder	Full Enclosure		
L-13a	Ball Mill	Partial Enclosure	82	275,000
L-13b	Ball Mill	Partial Enclosure		

c. Stockpile L-5 shall be limited to a maximum storage capacity of 13,680 tons of limestone.
d. Stockpile L-5 shall be located in an structure with a roof, three full walls and one partial wall.
d. Fugitive emissions from opening (except for vents as defined in 40CFR§60.671) of the limestone storage structure and the building enclosing the ball mill shall not exhibit opacity greater than 7%.
[40CFR§60.672(e)(1)]
e. Any transfer point or any source of fugitive emissions that handles or process limestone that is not located inside a fully enclosed structure shall not exhibit visible emissions greater than 10% opacity on a 6 minute average. This limitation does not apply to visible emissions generated from truck dump (ID L-1).
[40CFR§§60.672(b) and (d)]
f. The limestone day silo (SL-11) shall be enclosed and vent to a dust collector (EL-11).
   i. PM from emission point EL-11 shall not exceed 0.69 lb/hr based on a three-hour block averaging period and 0.86 TPY.
   ii. PM10 from emission point EL-11 shall not exceed 0.58 lb/hr based on a three-hour block averaging period and 0.73 TPY.
   iii. Visible emissions from emission point EL-11 shall not exceed 7% opacity on a sixminute block averaging period.
[40CFR §60.672(f)]
[R14-0024F, Paragraph 7.1.1].

X Permit Shield

Applicable Requirements

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

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary. **[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].**

X Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with Condition 3.2.1. of this permit for the purpose of determining ongoing compliance with the visible emission standards (7.1.1.d. and 7.1.1.e.) from the limestone structures, limestone silo, and any other transfer point not located within a structure. Refer to Table B in Appendix B of this permit for a list of sources.
[R14-0024F, Paragraph 7.2.1].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.675(c) and (d)]
[40CFR§§60.675(e) and (g); R14-0024F, Paragraph 7.3.1].

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

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.

(continued…)

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.

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

g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-12a SL-12b	Limestone Weight Feeders	Partial Enclosure

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

Limestone silo discharge to weigh feeders via emission points EL-12a and EL-12b

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	
Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

82 ton/hr design capacity

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
82 ton/hr combined	275,000 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 ($PM_{2.5}$)	0.057	0.096
Particulate Matter (PM_{10})	0.057	0.096
Total Particulate Matter (TSP)	0.121	0.202
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.).

AP-42 Emission Factors, Chapter 11.19.2, Crushed Stone Processing and Pulverized Mineral Processing, August 2004

Applicable Requirements

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

Limitations and Standards

7.1.1. The following conditions and requirements are specific to the limestone handling operations:

a. The material (limestone) transferred through the facility shall not exceed the maximum material throughputs as shown in Table 3 – "Limestone Handling Transfer Limits" of this permit.
b. Pollution control mechanisms/measures shall be installed and maintained on all material transfer points in accordance with Table 3 – "Limestone Handling Transfer Limits" of this permit.

Transfer Point		Pollution Control Device	Maximum Throughput	
ID	Description		Tons/Hour	Tons/Year
L-1	Truck Dump to Limestone Hopper Feeder	Partial Enclosure with dust suppression	150	275,000
L-2	Feeder Transfer to Bucket Elevator	Full Enclosure w/dust suppression	150	275,000
L-3	Bucket Elevator Discharge to Pile Tripper Belt	Full Enclosure w/dust suppression	150	275,000
L-4	Belt Transfer to Limestone Pile	Partial Enclosure and Telescopic Chute	150	275,000
L-6	Reclaim Transfer to Reclaim Hopper/Belt	Partial Enclosure	150	275,000
L-9	Bucket Elevator Discharge to Conveyor	Partial Enclosure w/dust Suppression	150	275,000
L-10	Conveyor to Storage Conveyor	Partial Enclosure w/dust suppression	150	275,000
L-12a	Silo Drop to Weigh Feeder	Full Enclosure	82	275,000
L-12b	Silo Drop to Weigh Feeder	Full Enclosure		
L-13a	Ball Mill	Partial Enclosure	82	275,000
L-13b	Ball Mill	Partial Enclosure		

c. Stockpile L-5 shall be limited to a maximum storage capacity of 13,680 tons of limestone.
d. Stockpile L-5 shall be located in an structure with a roof, three full walls and one partial wall.
d. Fugitive emissions from opening (except for vents as defined in 40CFR§60.671) of the limestone storage structure and the building enclosing the ball mill shall not exhibit opacity greater than 7%.
[40CFR§60.672(e)(1)]
e. Any transfer point or any source of fugitive emissions that handles or process limestone that is not located inside a fully enclosed structure shall not exhibit visible emissions greater than 10% opacity on a 6 minute average. This limitation does not apply to visible emissions generated from truck dump (ID L-1).
[40CFR§§60.672(b) and (d)]
f. The limestone day silo (SL-11) shall be enclosed and vent to a dust collector (EL-11).
   i. PM from emission point EL-11 shall not exceed 0.69 lb/hr based on a three-hour block averaging period and 0.86 TPY.
   ii. PM10 from emission point EL-11 shall not exceed 0.58 lb/hr based on a three-hour block averaging period and 0.73 TPY.
   iii. Visible emissions from emission point EL-11 shall not exceed 7% opacity on a sixminute block averaging period.
[40CFR §60.672(f)]
[R14-0024F, Paragraph 7.1.1].

X Permit Shield

Applicable Requirements

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

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary. **[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].**

X Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with Condition 3.2.1. of this permit for the purpose of determining ongoing compliance with the visible emission standards (7.1.1.d. and 7.1.1.e.) from the limestone structures, limestone silo, and any other transfer point not located within a structure. Refer to Table B in Appendix B of this permit for a list of sources.
[R14-0024F, Paragraph 7.2.1].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.675(c) and (d)]
[40CFR§§60.675(e) and (g); R14-0024F, Paragraph 7.3.1].

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

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.

(continued…)

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.

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

g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SL-13a SL-13b	Ball Mills	Full Enclosure

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

Limestone feeders discharge to ball mills via emission points EL-13a/b

Manufacturer:	**Model number:**	**Serial number:**
NA	NA	
Construction date:	**Installation date:**	**Modification date(s):**
01/26/2007		

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

82 ton/hr design capacity combined

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
82 ton/hr combined	275,000 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 ($PM_{2.5}$)	0.004	0.006
Particulate Matter (PM_{10})	0.007	0.012
Total Particulate Matter (TSP)	0.014	0.024
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.).

AP-42 Emission Factors, Chapter 11.19.2, Crushed Stone Processing and Pulverized Mineral Processing, August 2004

Applicable Requirements

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

Limitations and Standards

7.1.1. The following conditions and requirements are specific to the limestone handling operations:

a. The material (limestone) transferred through the facility shall not exceed the maximum material throughputs as shown in Table 3 – "Limestone Handling Transfer Limits" of this permit.
b. Pollution control mechanisms/measures shall be installed and maintained on all material transfer points in accordance with Table 3 – "Limestone Handling Transfer Limits" of this permit.

Transfer Point		Pollution Control Device	Maximum Throughput	
ID	Description		Tons/Hour	Tons/Year
L-1	Truck Dump to Limestone Hopper Feeder	Partial Enclosure with dust suppression	150	275,000
L-2	Feeder Transfer to Bucket Elevator	Full Enclosure w/dust suppression	150	275,000
L-3	Bucket Elevator Discharge to Pile Tripper Belt	Full Enclosure w/dust suppression	150	275,000
L-4	Belt Transfer to Limestone Pile	Partial Enclosure and Telescopic Chute	150	275,000
L-6	Reclaim Transfer to Reclaim Hopper/Belt	Partial Enclosure	150	275,000
L-9	Bucket Elevator Discharge to Conveyor	Partial Enclosure w/dust Suppression	150	275,000
L-10	Conveyor to Storage Conveyor	Partial Enclosure w/dust suppression	150	275,000
L-12a	Silo Drop to Weigh Feeder	Full Enclosure	82	275,000
L-12b	Silo Drop to Weigh Feeder	Full Enclosure		
L-13a	Ball Mill	Partial Enclosure	82	275,000
L-13b	Ball Mill	Partial Enclosure		

c. Stockpile L-5 shall be limited to a maximum storage capacity of 13,680 tons of limestone.
d. Stockpile L-5 shall be located in an structure with a roof, three full walls and one partial wall.
d. Fugitive emissions from opening (except for vents as defined in 40CFR§60.671) of the limestone storage structure and the building enclosing the ball mill shall not exhibit opacity greater than 7%.
[40CFR§60.672(e)(1)]
e. Any transfer point or any source of fugitive emissions that handles or process limestone that is not located inside a fully enclosed structure shall not exhibit visible emissions greater than 10% opacity on a 6 minute average. This limitation does not apply to visible emissions generated from truck dump (ID L-1).
[40CFR§§60.672(b) and (d)]
f. The limestone day silo (SL-11) shall be enclosed and vent to a dust collector (EL-11).
   i. PM from emission point EL-11 shall not exceed 0.69 lb/hr based on a three-hour block averaging period and 0.86 TPY.
   ii. PM10 from emission point EL-11 shall not exceed 0.58 lb/hr based on a three-hour block averaging period and 0.73 TPY.
   iii. Visible emissions from emission point EL-11 shall not exceed 7% opacity on a sixminute block averaging period.
[40CFR §60.672(f)]
[R14-0024F, Paragraph 7.1.1].

_X_ Permit Shield

Applicable Requirements

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

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary. **[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].**

X Permit Shield

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

Monitoring Requirements

The permittee shall conduct visible emission checks in accordance with Condition 3.2.1. of this permit for the purpose of determining ongoing compliance with the visible emission standards (7.1.1.d. and 7.1.1.e.) from the limestone structures, limestone silo, and any other transfer point not located within a structure. Refer to Table B in Appendix B of this permit for a list of sources.
[R14-0024F, Paragraph 7.2.1].

Testing Requirements

(initial compliance demonstration testing complete)
[40CFR§§60.675(c) and (d)]
[40CFR§§60.675(e) and (g); R14-0024F, Paragraph 7.3.1].

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

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.

(continued…)

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.

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

g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SA-1a SA-1b	Fly Ash Silos	Partial Enclosure

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

Fly Ash discharges to silos from filter receivers via emission points EA-1a and EA-1b

Manufacturer:	**Model number:**	**Serial number:**
Construction date: 01/26/2007	**Installation date:**	**Modification date(s):**

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

76 ton/hr for both silos

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
76 ton/hr	550,000 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 ($PM_{2.5}$)	.001*	.005*
Particulate Matter (PM_{10})	.003*	.009*
Total Particulate Matter (TSP)	.008*	.027*
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.).

AP-42 Emission Factors, Chapter 11.12, Concrete Batching, June 2006 (w/August 2011 update)

*Emissions are an aggregate value for emission points EA-1a and EA-1b.

Applicable Requirements

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

Limitations and Standards

The following conditions and requirements are specific to the ash handling operations:
a. The permittee shall use a negative pressure (vacuum) system to transfer all fly ash. Such system shall include up to three exhausters (SA-11a, SA-11b, SA-11c) that discharge to the atmosphere through emission points EA-11a, EA-11b, and EA-11c. Emissions from these exhausters shall not exceed the following limits:

i. PM emissions from each shall not exceed 0.65 pounds per hour and combined total from all three emission points shall not exceed 5.72 TPY.
ii. PM10 emissions from each shall not exceed 0.31 pounds per hour and combined total from all three emission points shall not exceed 2.74TPY.
iii. The permittee shall only operated two of the three exhausters at any given time.

b. The permittee shall install, operate, and maintain bin exhaust filters to control PM emissions from the fly ash storage silos (CA-1).
c. The bottom ash storage pile SA-7 shall be limited to a maximum storage capacity of 1,170 tons of bottom ash.
d. The gypsum storage pile SG-1 shall be limited to a maximum storage capacity of 13,680 tons of gypsum.
[R14-0024F, Paragraph 7.1.2]

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].

_X_ Permit Shield

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

(continued…)

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.

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

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SA-2a SA-2b	Fly Ash Loadout	Partial Enclosure

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

Fly Ash discharges to pug mills from silos via emission points EA-2a and EA-2b

Manufacturer:	**Model number:**	**Serial number:**
Construction date: 01/26/2007	**Installation date:**	**Modification date(s):**

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

76 ton/hr for both pug mills

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
76 ton/hr	550,000 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 ($PM_{2.5}$)	0.027*	.099*
Particulate Matter (PM_{10})	0.180*	.653*
Total Particulate Matter (TSP)	0.382*	1.381*
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.).

AP-42 Emission Factors, Chapter 13.2.4, Aggregate Handling and Storage Piles, November 2006

*Emissions are an aggregate value for emission points EA-2a and EA-2b, which discharge from A-2a and A-2b, respectively.

Applicable Requirements

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

Limitations and Standards

The following conditions and requirements are specific to the ash handling operations:
a. The permittee shall use a negative pressure (vacuum) system to transfer all fly ash. Such system shall include up to three exhausters (SA-11a, SA-11b, SA-11c) that discharge to the atmosphere through emission points EA-11a, EA-11b, and EA-11c. Emissions from these exhausters shall not exceed the following limits:

i. PM emissions from each shall not exceed 0.65 pounds per hour and combined total from all three emission points shall not exceed 5.72 TPY.
ii. PM10 emissions from each shall not exceed 0.31 pounds per hour and combined total from all three emission points shall not exceed 2.74TPY.
iii. The permittee shall only operated two of the three exhausters at any given time.

b. The permittee shall install, operate, and maintain bin exhaust filters to control PM emissions from the fly ash storage silos (CA-1).
c. The bottom ash storage pile SA-7 shall be limited to a maximum storage capacity of 1,170 tons of bottom ash.
d. The gypsum storage pile SG-1 shall be limited to a maximum storage capacity of 13,680 tons of gypsum.
[R14-0024F, Paragraph 7.1.2]

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].

_X_ Permit Shield

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

(continued…)

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.

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

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SA-11a SA-11b SA-11c	Blowers for Fly Ash Vacuum System	

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

Blowers used to convey the fly ash from the hoppers to the filter receivers discharge through emission points EA-11a and EA-11b. Blower A-11c is a common spare and operates only when A-11a or A-11b is not able to operate.

Manufacturer:	**Model number:**	**Serial number:**
Construction date: 01/26/2007	**Installation date:**	**Modification date(s):**

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

3,658 ACFM per blower

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
76 ton/hr	550,000 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 ($PM_{2.5}$)	0.157	0.687
Particulate Matter (PM_{10})	0.314	1.373
Total Particulate Matter (TSP)	0.627	2.747
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.).

Emission factors from equipment manufacturer

*Emissions are an individual value for each emission points EA-11a and EA-11b, which discharge from blowers SA-11a and SA-11b, respectively. Emissions for SA-11c are not reported as blower SA-11c operates only when either SA-11a or SA-11b is not in operation.

Applicable Requirements

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

Limitations and Standards

The following conditions and requirements are specific to the ash handling operations:
a. The permittee shall use a negative pressure (vacuum) system to transfer all fly ash. Such system shall include up to three exhausters (SA-11a, SA-11b, SA-11c) that discharge to the atmosphere through emission points EA-11a, EA-11b, and EA-11c. Emissions from these exhausters shall not exceed the following limits:

i. PM emissions from each shall not exceed 0.65 pounds per hour and combined total from all three emission points shall not exceed 5.72 TPY.
ii. PM10 emissions from each shall not exceed 0.31 pounds per hour and combined total from all three emission points shall not exceed 2.74TPY.
iii. The permittee shall only operated two of the three exhausters at any given time.

b. The permittee shall install, operate, and maintain bin exhaust filters to control PM emissions from the fly ash storage silos (CA-1).
c. The bottom ash storage pile SA-7 shall be limited to a maximum storage capacity of 1,170 tons of bottom ash.
d. The gypsum storage pile SG-1 shall be limited to a maximum storage capacity of 13,680 tons of gypsum.
[R14-0024F, Paragraph 7.1.2]

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].

_X_ Permit Shield

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

(continued…)

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.

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

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SA-4	Submerged Flight Conveyor	Full Enclosure

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

Submerged flight conveyor A-4 transfers bottom ash to the incline dry flight conveyor, which exhausts through emission point EA-4

Manufacturer:	**Model number:**	**Serial number:**
Construction date: 01/26/2007	**Installation date:**	**Modification date(s):**

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

22 ton/hr

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
22 ton/hr	160,000 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 ($PM_{2.5}$)	0.00003	0.0001
Particulate Matter (PM_{10})	0.0001	0.0004
Total Particulate Matter (TSP)	0.0003	0.0011
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.).

AP-42 Emission Factors, Chapter 11.19.2, Crushed Stone Processing and Pulverized Mineral Processing, August 2004.

Applicable Requirements

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

Limitations and Standards

The following conditions and requirements are specific to the ash handling operations:
a. The permittee shall use a negative pressure (vacuum) system to transfer all fly ash. Such system shall include up to three exhausters (SA-11a, SA-11b, SA-11c) that discharge to the atmosphere through emission points EA-11a, EA-11b, and EA-11c. Emissions from these exhausters shall not exceed the following limits:

i. PM emissions from each shall not exceed 0.65 pounds per hour and combined total from all three emission points shall not exceed 5.72 TPY.
ii. PM10 emissions from each shall not exceed 0.31 pounds per hour and combined total from all three emission points shall not exceed 2.74TPY.
iii. The permittee shall only operated two of the three exhausters at any given time.

b. The permittee shall install, operate, and maintain bin exhaust filters to control PM emissions from the fly ash storage silos (CA-1).
c. The bottom ash storage pile SA-7 shall be limited to a maximum storage capacity of 1,170 tons of bottom ash.
d. The gypsum storage pile SG-1 shall be limited to a maximum storage capacity of 13,680 tons of gypsum.
[R14-0024F, Paragraph 7.1.2]

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].

_X_ Permit Shield

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

(continued…)

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.

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

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SA-6	Inclined Dry Flight Conveyor	Full Enclosure

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

Inclined dry flight conveyor A-6 transfers bottom ash to the bottom ash storage pile via emission point EA-6.

Manufacturer:	**Model number:**	**Serial number:**
Construction date: 01/26/2007	**Installation date:**	**Modification date(s):**

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

22 ton/hr

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
22 ton/hr	160,000 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 ($PM_{2.5}$)	0.0001	0.0004
Particulate Matter (PM_{10})	0.0007	0.0025
Total Particulate Matter (TSP)	0.0015	0.054
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.).

AP-42 Emission Factors, Chapter 13.2.4, Aggregate Handling and Storage Piles, November 2006.

Applicable Requirements

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

Limitations and Standards

The following conditions and requirements are specific to the ash handling operations:
a. The permittee shall use a negative pressure (vacuum) system to transfer all fly ash. Such system shall include up to three exhausters (SA-11a, SA-11b, SA-11c) that discharge to the atmosphere through emission points EA-11a, EA-11b, and EA-11c. Emissions from these exhausters shall not exceed the following limits:

i. PM emissions from each shall not exceed 0.65 pounds per hour and combined total from all three emission points shall not exceed 5.72 TPY.
ii. PM10 emissions from each shall not exceed 0.31 pounds per hour and combined total from all three emission points shall not exceed 2.74TPY.
iii. The permittee shall only operated two of the three exhausters at any given time.

b. The permittee shall install, operate, and maintain bin exhaust filters to control PM emissions from the fly ash storage silos (CA-1).
c. The bottom ash storage pile SA-7 shall be limited to a maximum storage capacity of 1,170 tons of bottom ash.
d. The gypsum storage pile SG-1 shall be limited to a maximum storage capacity of 13,680 tons of gypsum.
[R14-0024F, Paragraph 7.1.2]

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].

_X_ Permit Shield

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

(continued…)

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.

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

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SA-7	Bottom Ash Storage Pile	Moisture Content

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

Bottom ash storage pile A-7 emits by wind erosion.

Manufacturer:	**Model number:**	**Serial number:**
Construction date: 01/26/2007	**Installation date:**	**Modification date(s):**

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

1,170 tons

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
22 ton/hr	160,000 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 ($PM_{2.5}$)	0.013	0.059
Particulate Matter (PM_{10})	0.027	0.118
Total Particulate Matter (TSP)	0.054	0.236
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.).

AP-42 Emission Factors, Chapter 13.2.5, Industrial Wind Erosion, November 2006.

Applicable Requirements

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

Limitations and Standards

The following conditions and requirements are specific to the ash handling operations:
a. The permittee shall use a negative pressure (vacuum) system to transfer all fly ash. Such system shall include up to three exhausters (SA-11a, SA-11b, SA-11c) that discharge to the atmosphere through emission points EA-11a, EA-11b, and EA-11c. Emissions from these exhausters shall not exceed the following limits:

i. PM emissions from each shall not exceed 0.65 pounds per hour and combined total from all three emission points shall not exceed 5.72 TPY.
ii. PM10 emissions from each shall not exceed 0.31 pounds per hour and combined total from all three emission points shall not exceed 2.74TPY.
iii. The permittee shall only operated two of the three exhausters at any given time.

b. The permittee shall install, operate, and maintain bin exhaust filters to control PM emissions from the fly ash storage silos (CA-1).
c. The bottom ash storage pile SA-7 shall be limited to a maximum storage capacity of 1,170 tons of bottom ash.
d. The gypsum storage pile SG-1 shall be limited to a maximum storage capacity of 13,680 tons of gypsum.
[R14-0024F, Paragraph 7.1.2]

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].

_X_ Permit Shield

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

(continued…)

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.

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

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SA-10	Bottom Ash Pile Loadout	Partial Enclosure

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

Bottom ash loadout A-10 transfers bottom ash to trucks via front end loader.

Manufacturer:	**Model number:**	**Serial number:**
Construction date: 01/26/2007	**Installation date:**	**Modification date(s):**

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

200 ton/hr

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
200 ton/hr	160,000 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 ($PM_{2.5}$)	0.002	0.001
Particulate Matter (PM_{10})	0.013	0.005
Total Particulate Matter (TSP)	0.027	0.011
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.).

AP-42 Emission Factors, Chapter 13.2.4, Aggregate Handling and Storage Piles, November 2006.

Applicable Requirements

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

Limitations and Standards

The following conditions and requirements are specific to the ash handling operations:
a. The permittee shall use a negative pressure (vacuum) system to transfer all fly ash. Such system shall include up to three exhausters (SA-11a, SA-11b, SA-11c) that discharge to the atmosphere through emission points EA-11a, EA-11b, and EA-11c. Emissions from these exhausters shall not exceed the following limits:

i. PM emissions from each shall not exceed 0.65 pounds per hour and combined total from all three emission points shall not exceed 5.72 TPY.
ii. PM10 emissions from each shall not exceed 0.31 pounds per hour and combined total from all three emission points shall not exceed 2.74TPY.
iii. The permittee shall only operated two of the three exhausters at any given time.

b. The permittee shall install, operate, and maintain bin exhaust filters to control PM emissions from the fly ash storage silos (CA-1).
c. The bottom ash storage pile SA-7 shall be limited to a maximum storage capacity of 1,170 tons of bottom ash.
d. The gypsum storage pile SG-1 shall be limited to a maximum storage capacity of 13,680 tons of gypsum.
[R14-0024F, Paragraph 7.1.2]

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].

_X_ Permit Shield

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

(continued…)

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.

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

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.
For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
SG-1	Gypsum Storage Pile	Partial Enclosure, Moisture Content

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

Gypsum storage pile G-1 emits by wind erosion

Manufacturer:	**Model number:**	**Serial number:**
Construction date: 01/26/2007	**Installation date:**	**Modification date(s):**

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

13,680 tons

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
N/A	N/A	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 ($PM_{2.5}$)	0.055	0.241
Particulate Matter (PM_{10})	0.138	0.602
Total Particulate Matter (TSP)	0.275	1.21
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.).

AP-42 Emission Factors, Chapter 13.2.5, Industrial Wind Erosion, November 2006.

Applicable Requirements

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

Limitations and Standards

The following conditions and requirements are specific to the ash handling operations:
a. The permittee shall use a negative pressure (vacuum) system to transfer all fly ash. Such system shall include up to three exhausters (SA-11a, SA-11b, SA-11c) that discharge to the atmosphere through emission points EA-11a, EA-11b, and EA-11c. Emissions from these exhausters shall not exceed the following limits:

i. PM emissions from each shall not exceed 0.65 pounds per hour and combined total from all three emission points shall not exceed 5.72 TPY.
ii. PM10 emissions from each shall not exceed 0.31 pounds per hour and combined total from all three emission points shall not exceed 2.74TPY.
iii. The permittee shall only operated two of the three exhausters at any given time.

b. The permittee shall install, operate, and maintain bin exhaust filters to control PM emissions from the fly ash storage silos (CA-1).
c. The bottom ash storage pile SA-7 shall be limited to a maximum storage capacity of 1,170 tons of bottom ash.
d. The gypsum storage pile SG-1 shall be limited to a maximum storage capacity of 13,680 tons of gypsum.
[R14-0024F, Paragraph 7.1.2]

7.1.4. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11; R14-0024F, Paragraph 7.1.4].

_X_ Permit Shield

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

Recordkeeping Requirements

Record of Monitoring. The permittee shall keep records of monitoring information that include the following:
a. The date, place as defined in this permit, and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.
[R14-0024F, Paragraph 7.4.1].

(continued…)

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.

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

Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[R14-0024F, Paragraph 7.4.2].

Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
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c. The duration of the event.
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For each such case associated with an equipment malfunction, the additional information shall also be recorded:
e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction
[R14-0024F, Paragraph 7.4.3].

The permittee shall record the amount of limestone received, and bottom and fly ash shipped from the facility on a monthly basis. Such records shall be maintained in accordance with Condition 3.4.1. of this permit.
[R14-0024F, Paragraph 7.4.4].

Reporting Requirements

The permittee shall report the results of any test conducted as required in Section 7.3. of this permit to the Director within 60 days after completing such testing.
[40CFR§60.676(k); R14-0024F, Paragraph 7.5.1].

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

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