



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL  
WAYNE COUNTY**

**CERTIFIED MAIL**

Street Address:

122 S. Front Street

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center  
P.O. Box 1049

**Application No: 02-17358**

**DATE:** 5/1/2003

Cedar Lane Farms Corp  
Tom Machamer  
5713 Back Orrville Rd  
Wooster, OH 44691

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

Michael W. Ahern, Supervisor  
Field Operations and Permit Section  
Division of Air Pollution Control

cc: USEPA

NEDO



---

**Permit To Install  
Terms and Conditions**

**Issue Date: 5/1/2003  
Effective Date: 5/1/2003**

---

**FINAL PERMIT TO INSTALL 02-17358**

Application Number: 02-17358  
APS Premise Number: 0285030221  
Permit Fee: **\$400**  
Name of Facility: Cedar Lane Farms Corp  
Person to Contact: Tom Machamer  
Address: 5713 Back Orrville Rd  
Wooster, OH 44691

Location of proposed air contaminant source(s) [emissions unit(s)]:

**5713 Back Orrville Rd  
Wooster, Ohio**

Description of proposed emissions unit(s):

**10 mmBtu/hr coal fired atmospheric fluidized bed combustor to produce hot water heat.**

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

## Part I - GENERAL TERMS AND CONDITIONS

### A. Permit to Install General Terms and Conditions

#### 1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

#### 2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

#### 3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

#### 4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized

representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

**5. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

**6. Permit Transfers**

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

**7. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

**8. Termination of Permit to Install**

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**9. Construction of New Sources(s)**

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio

Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

**10. Public Disclosure**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

**11. Applicability**

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

**12. Best Available Technology**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

**13. Source Operation and Operating Permit Requirements After Completion of Construction**

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

Cedar Lane Farms Corp  
 PTI Application: 02-17358  
 Issued: 5/1/2003

Facility ID: 0285030221

#### 14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

#### 15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

### B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)  
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
SO <sub>2</sub>	30.67
NO <sub>x</sub>	25.6
CO	30.32
PE	0.64

**Part II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>
B009 - 10mm BTU/hr atmospheric fluidized bed combustor and boiler, equipped with a 95% efficient fabric filter for particulate control.	<p>OAC rule 3745-31-05(A)(3)</p> <p>OAC rule 3745-17-10(C)(2)</p> <p>40 CFR Part 60, Section 60.42c (c)</p>
	<p>OAC rule 3745-31-05(D)</p>
	<p>OAC rule 3745-17-07(A)</p>

Applicable Emissions  
Limitations/Control  
Measures

Sulfur dioxide (SO<sub>2</sub>):  
1.2 lbs/mmBtu

Nitrogen Oxides (NO<sub>x</sub>):  
10.02 lbs/hr

Carbon Monoxide (CO):  
11.86 lbs/hr

Particulates (PE):  
0.25 lb/hr

See Section A.I.2.a, b & c.

Hours of operation limited to  
5,112 hours per year, on a  
12-month rolling basis. See  
Sections A.II.3 & 4.

SO<sub>2</sub>: 30.67 tons/yr, on a  
12-month rolling basis.

NO<sub>x</sub>: 25.6 tons/yr, on a  
12-month rolling basis.

CO: 30.32 tons/yr, on a  
12-month rolling basis.

PE: 0.64 ton/yr, on a  
12-month rolling basis.

Visible Emissions (VE):  
Visible particulate emissions  
from the exhaust stack  
serving this emissions unit  
shall not exceed twenty (20)  
percent opacity, as a  
six-minute average, except  
as provided by rule.

Particulates (PE):

The emission limitation specified by  
this rule is less stringent than the  
emission limitation established  
pursuant to OAC rule  
3745-31-05(A)(3).

SO<sub>2</sub>: 1.2 lb/mmBtu. The emission  
limitation specified by this rule is  
equivalent to the emission limitation  
established pursuant to OAC rule  
3745-31-05(A)(3).

## 2. Additional Terms and Conditions

- 2.a** This emissions unit shall maintain a minimum calcium (from injection of limestone or equivalent) to sulfur (contained in coal fuel) weight ratio within 2.5 to 3.5 (or the range established during the last performance test demonstrating this emissions unit was in compliance with the 1.2 pounds SO<sub>2</sub>/mmBtu limit) in the fluid bed of the reactor at all times.
- 2.b** The particulate emissions from this emissions unit will be controlled by a 95% efficient fabric filter dust collector.
- 2.c** The coal received for use in the fuel burning equipment will have an ash content of less than 8.0 percent by weight and a heat content of greater than thirteen thousand BTU per pound. The percent sulfur in the coal shall be no greater than the sulfur contained in the coal used during the SO<sub>2</sub> performance test that demonstrated this emissions unit was in compliance with the SO<sub>2</sub> emissions limit of 1.2 pounds per mmBtu. Ash content, heat content, and sulfur content shall be determined on a dry basis in accordance with the procedures specified in OAC rule 3745-17-03(B)(9).
- 2.d** The restrictions regarding the use of fly ash re-injection and an over fire air system found in OAC rule 3745-17-10(C)(7)(a) are not applicable to this bubbling fluidized bed coal combustion process.

## B. Operational Restrictions

1. The 95% efficient fabric filter dust collector shall be in operation at all times while this emissions unit is in operation.
2. The pressure drop across the baghouse shall be maintained within the manufacturer's recommended range of 3 to 5 inches of water while the emissions unit is in operation.
3. Hours of operation for this emissions unit shall not exceed 5,112 hours per calendar year, on a 12-month rolling basis.
4. During the first twelve (12) months of operation under this permit, this emissions unit shall not exceed the cumulative total hours of operation as specified for each month in the following table:

<u>Calendar Month</u>	<u>Cumulative Allowable Total Hours of Operation</u>
1	744

Emissions Unit ID: **B009**

2	1,464
3	2,208
4	2,952
5	3,624
6	4,368
7	5,088
8	5,112
9	5,112
10	5,112
11	5,112
12	5,112

5. The maximum heat input for this emissions unit shall not exceed 10.0 mmBtu per hour, the maximum heat rate capacity for this fluidized bed combustor.

**C. Monitoring and/or Record keeping Requirements**

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.
2. The permittee shall maintain a operations log for this emissions unit. This operations log shall contain, at minimum, the following information:
  - a. The dates and times of any start-up and shutdown of this emissions unit;
  - b. The duration (in minutes) of any increased coal firing from a banked condition (see note below);
  - c. The temperature of the inlet gas to the baghouse, to be recorded at least every hour, during the start-up and shutdown of this emissions unit (see note below).
  - d. The number of hours of normal or full firing, and the number of hours in a banked condition, is to be recorded for each day of operation;
  - e. The amount of coal (in tons) burned in this emissions unit each day. This record shall be signed daily by the permittee attesting to the accuracy of the data;
  - f. The weight of limestone (in pounds) injected into the emissions unit each day, and a calculation of the average calcium to sulfur ratio;
  - g. The dates and times of any malfunction of this emissions unit, and/or baghouse. The

corrective action taken should also be included in the log, and;

- h. The number of hours of baghouse operation.

NOTE:

The visible emissions limitation of 20%, as a six-minute average, would not apply when the temperature of the gas at the inlet to the baghouse is less than 250 degrees Fahrenheit during start-up and shutdown. The visible emissions limitation is also not applicable for a period up to thirty minutes from the commencement of increased coal firing from a banked condition. However, the SO<sub>2</sub> emission limit applies at all times, including periods of startup, shutdown, and malfunction.

- 3. For each shipment of coal to be burned in this emissions unit, the permittee shall record the following information, which may serve as the fuel supplier certification as described in 40 CFR 60.48c(f)(3).
  - a. The name of the coal supplier;
  - b. The location of the coal when the sample was collected for analysis to determine the properties of the coal, specifically including whether the coal was sampled as delivered to the facility or whether the sample was collected from coal in storage at the mine, at a coal preparation plant, at a coal supplier's facility, or at another location. The report shall include the name of the coal mine (and coal seam), coal storage facility, or coal preparation plant (where the sample was collected);
  - c. The total quantity (in tons) of coal received;
  - d. The sulfur content (in percent) of the coal on both an as-received and dry basis;
  - e. The moisture content of the coal on both an as-received and dry basis;
  - f. The ash content (in percent) of the coal on both an as-received and dry basis;
  - g. The heat content (BTU per pound) of the coal on both an as-received and dry basis, and;
  - h. The methods used to determine the properties of the coal.
- 4. The permittee shall maintain the following daily records for this emissions unit, when in operation.

- a. The average, hourly NO<sub>x</sub> and CO emission rates by use of the following equation:

$$ER = \frac{(EF) \times (COAL)}{Hrs}$$

where;

ER = Emissions rate in pounds per hour

EF = Emissions Factor, taken from AP-42 Tables 1.1-3 as follows:  
 EF for NO<sub>x</sub> = 15.2 lbs/ton of coal  
 EF for CO = 18 lbs/ton of coal

COAL = The amount of coal (in tons) burned that day, as recorded above in Section A.III.2.e.

Hrs = The number of hours of operation (total of both full firing and banked), as recorded above in Section A.III.2.d.

- b. The average, hourly PE emission rates by use of the following equation:

$$ER = \frac{(EF) \times (COAL)}{Hrs} \times (1-CE)$$

where;

ER = Emissions rate in pounds per hour

EF = Emissions Factor, taken from AP-42 Table 1.1-4 as follows:  
 EF for PE = 17 lbs/ton of coal

COAL = The amount of coal (in tons) burned that day, as recorded above in Section A.III.2.e.

Hrs = The number of hours of operation (total of both full firing and banked), as recorded above in Section A.III.2.d.

CE = Control efficiency of baghouse, which is reported to be 95% or 0.95.

Emissions Unit ID: B009

5. The permittee shall maintain the following monthly records for this emissions unit.
  - a. Total number of hours of operation for this emissions unit for each calendar month.
  - b. The cumulative 12-month rolling hours of operation for this emissions unit (The summation of (a) for the prior 12 months).

#### D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
  - a. All periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above in Section A.II;
  - b. All periods of time during which the baghouse did not operate when this emissions unit was in operation;
  - c. An identification of each day during which the hourly emissions limitation(s) for NO<sub>x</sub>, CO and/or PE was/were exceeded, and the actual hourly emissions rate for the applicable pollutant(s);
  - d. An identification of each day during which the PE limit of 0.25 lb/hr was exceeded;
  - e. An identification of each day during which the visible particulate emissions (VE) from the exhaust serving this emissions unit exceeded twenty percent opacity, as a six-minute average, except as provided by rule, and the actual VE reading for that day;
  - f. An identification of each day during which the calcium to sulfur weight ratio was outside the range of 2.5 to 3.5, or the range established during the last performance test demonstrating this emissions unit was in compliance with the 1.2 pounds SO<sub>2</sub>/mmBtu limit;
  - g. An identification (date and quantity in tons) of any shipment of coal, used for this emissions unit, that did not meet the ash, heat, and sulfur specifications listed in Section A.I.2.c;
  - h. An identification of each day this emissions unit was operated above its rated maximum heat rate capacity of 10 mmBtu per hour, and;
  - i. An identification of each day during which any required monitoring and record keeping (as listed in Section A.III) was not performed.
  - j. An identification of each month within the quarter when the total cumulative number of

hours of operation exceeds 5,112. The actual total cumulative number of hours of operation for each such month shall be reported, along with the calculated SO<sub>2</sub> 12-month rolling average.

The calendar quarters are January 1 - March 31, April 1 - June 30, July 1 - September 30, and October 1 - December 31.

2. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarter.
3. The permittee shall submit quarterly reports, as required by 40 CFR 60.48c(d) & (e), that contain the information as described in 40 CFR 60.48c(f)(3), and as stated in Part III, Section A.III.3 of this permit. This quarterly report shall also include the following items:
  - a. A certified statement signed by the owner or operator of the facility that the fuel records represent all of the fuel combusted during the quarter;
  - b. The calendar dates covered in the reporting period;

These quarterly reports shall be postmarked by the 30th day following the end of the reporting period.

## **E. Testing Requirements**

1. Emissions Limitation:  
SO<sub>2</sub>: 1.2 lbs/mmBtu

Applicable Compliance Method:

40 CFR 60.42c(h) states that compliance with the emission limit under section 60.42c may be determined based on a certification from the fuel supplier, as described under section 60.48c(f)(1), (2), or (3), as applicable. The certification shall include the information as contained in Part III, Section A.III.3 of this permit, and as reported to the Ohio EPA as required in Part III, Section A.IV.3 of this permit.

The permittee shall also conduct, or have conducted, SO<sub>2</sub> emission testing for this emissions unit to demonstrate compliance with the allowable limit in accordance with 40 CFR Part 60, Appendix A, Method 6B within 180 days of start-up of operation.

2. All of the emission tests shall be conducted while the emissions unit is operating at or near its maximum heat rate capacity.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test, and the person(s) who will be conducting the test. Failure to submit such notification for review and approval prior to the test may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test.

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test shall be signed by the person or persons responsible for the test and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

3. Emissions Limitation:  
 SO<sub>2</sub>: 30.67 tons/year, as a 12-month rolling average

Applicable Compliance Method: Compliance with this limit shall be determined by the following equation:

$$ER = AR \times HC \times Hrs \times \text{ton}/2,000 \text{ lbs}$$

where;

$$ER = \text{Emissions rate in tons per year, as a 12-month rolling average}$$

$$AR = \text{Allowable SO}_2 \text{ rate of 1.2 lbs/mmBtu}$$

$$HC = \text{Maximum heating capacity of boiler, which is 10 mmBtu/hr}$$

$$Hrs = \text{Total cumulative hours of operation over the past 12 months, as recorded in Section A.III.5.b.}$$

4. Emissions Limitation:  
 NO<sub>x</sub>: 10.02 lbs/hr

Applicable Compliance Method: Compliance with this limit shall be determined by the monitoring and record keeping requirement per Section A.III.4.a.

5. Emissions Limitation:  
NO<sub>x</sub>: 25.6 tons/year

Applicable Compliance Method: Compliance with this limit shall be determined by the following equation:

$$ER = (EF) \times (COAL) \times \text{ton}/2,000 \text{ lbs}$$

where;

$$ER = \text{Emissions rate in tons per calendar year}$$

$$EF = \text{Emissions Factor, taken from AP-42 Table 1.1-3, of 15.2 lbs/ton of coal}$$

$$COAL = \text{The amount of coal (in tons) burned during the entire calendar year, taken as the summation of the daily records as kept per Section A.III.2.e.}$$

6. Emissions Limitation:  
CO: 11.86 lbs/hr

Applicable Compliance Method: Compliance with this limit shall be determined by the monitoring and record keeping requirement per Section A.III.4.a.

7. Emissions Limitation:  
CO: 30.32 tons/year

Applicable Compliance Method: Compliance with this limit shall be determined by the following equation:

$$ER = (EF) \times (COAL) \times \text{ton}/2,000 \text{ lbs}$$

where;

$$ER = \text{Emissions rate in tons per calendar year}$$

$$EF = \text{Emissions Factor, taken from AP-42 Table 1.1-3, of 18 lbs/ton of coal}$$

COAL= The amount of coal (in tons) burned during the entire calendar year, taken as the summation of the daily records as kept per Section A.III.2.e.

- 8. Emissions Limitation:  
PE: 0.25 lb/hr

Applicable Compliance Method: Compliance with this limit shall be determined by the monitoring and record keeping requirement per Section A.III.4.b.

- 9. Emissions Limitation:  
PE: 0.64 ton/year

Applicable Compliance Method: Compliance with this limit shall be determined by the following equation:

$$ER = (EF \times COAL \times \text{ton}/2,000 \text{ lbs}) \times (1 - CE)$$

where;

ER = Emissions rate in tons per calendar year

EF = Emissions Factor, taken from AP-42 Table 1.1-4, of 17 lbs/ton of coal

COAL= The amount of coal (in tons) burned during the entire calendar year, taken as the summation of the daily records as kept per Section A.III.2.e.

CE = Control efficiency of baghouse, which is reported to be 95% or 0.95.

- 10. Emissions Limitation:  
PE: 0.5 lb/mmBtu

Applicable Compliance Method: Compliance with this limit shall be determined by dividing the hourly emission rate, determined by the calculation in Section A.V.9 above, by the maximum heat rate capacity of 10.0 mmBtu per hour.

**F. Miscellaneous Requirements**

The limits and requirements contained in this permit to install supercede those for B009 established in PTI # 02-2745.