



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL  
NOBLE 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: 06-07011**

**DATE: 11/5/2002**

Chaseville Hardwood  
Kenneth Wiley  
19328 Pipa Rd.  
Pleasant City, OH 43772

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

SEDO



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**Permit To Install  
Terms and Conditions**

**Issue Date: 11/5/2002  
Effective Date: 11/5/2002**

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**FINAL PERMIT TO INSTALL 06-07011**

Application Number: 06-07011  
APS Premise Number: 0661000040  
Permit Fee: **\$800**  
Name of Facility: Chaseville Hardwood  
Person to Contact: Kenneth Wiley  
Address: 19328 Pipa Rd.  
Pleasant City, OH 43772

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**19328 Pipa Rd.  
Pleasant City, Ohio**

Description of proposed emissions unit(s):  
**Sawmill.**

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 Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping 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 recordkeeping 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

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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

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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 application must be made to the Director for the installation or modification of any other emissions unit(s).

**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 thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

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#### 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>
PE	1.52
Nox	17.1
SO2	1.56
CO	4.6
OC	0.48



**Chase**  
**PTI A**  
**Issued: 11/5/2002**

Emissions Unit ID: **B001**

Applicable Emissions  
Limitations/Control Measures

Emissions of NO<sub>x</sub> shall not exceed  
8.52 lb/hr

Emissions of SO<sub>2</sub> shall not exceed  
0.78 lb/hr

Emissions of OC shall not exceed  
0.24 lb/hr

Emissions of CO shall not exceed  
2.26 lb/hr

The requirements of this rule also  
include compliance with the  
requirements of OAC rule  
3745-18-06(B), OAC rule  
3745-17-07(A), OAC rule  
3745-17-10(B)(1), OAC rule  
3745-21-08(B) and 3745-23-06(C).

See B.2. below

Emissions of NO<sub>x</sub> shall not exceed  
17.1 TPY

Emissions of SO<sub>2</sub> shall not exceed  
1.56 TPY

Emissions of OC shall not exceed  
0.48 TPY

Emissions of CO shall not exceed  
4.6 TPY

Particulate emissions shall not  
exceed 0.33 TPY

Visible particulate emissions from  
any stack shall not exceed twenty  
per cent opacity, as a six-minute  
average, except by rule.

Particulate emissions shall not  
exceed 0.062 lb/MMbtu heat input.

See A.I.2.a below

See A.I.2.a below

Exempt See A.I.2.b below

## 2. Additional Terms and Conditions

- 2.a** The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3).
- 2.b** OAC rule 3745-18-06(B) exempts stationary internal combustion engines which have rated heat input capacities equal to, or less than, 10 mmBtu/hr from the sulfur dioxide emission limit in OAC rule 3745-18-06(G). This emissions unit has a rated heat input of 2.66 MMBtu/hr.

## B. Operational Restrictions

- The permittee shall burn only number two fuel oil in this emissions unit.
- The maximum annual operating hours for this emissions unit shall not exceed 4,000, based upon a rolling, 12-month summation of the operating hours.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the operating hours levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Operating Hours</u>
1	300
1-2	600
1-3	800
1-4	1080
1-5	1380
1-6	1680
1-7	1980
1-8	2280
1-9	2580
1-10	2880
1-11	3180
1-12	4000

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual operating hours limitation shall be based upon a rolling, 12-month summation of the operating hours.

**C. Monitoring and/or Recordkeeping Requirements**

1. For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall maintain daily records of the following information:
  - a. The operating hours for each day.
  - b. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the operating hours.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative operating hours for each calendar month.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month operating hours limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative operating hours levels. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).

**E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation

Emissions of SO<sub>2</sub> shall not exceed 0.78 lb/hr

Applicable Compliance Method

Compliance shall be demonstrated based on the potential to emit as calculated in the following equation:

$$\text{SO}_2(\text{lb/hr}) = 0.29 \text{ lb SO}_2/\text{MMbtu} * 2.66 \text{ MMbtu/hr} = 0.78 \text{ lb/hr}$$

Where

The emissions factor of 0.296 lb SO<sub>2</sub>/MMbtu used is obtained from AP-42 Chapter 3.3, Table 3.3-1(10/96)

b. Emission Limitation

Emissions of SO<sub>2</sub> shall not exceed 1.56 TPY

Applicable Compliance Method

Compliance shall be demonstrated by multiplying the allowable hourly emission rate (0.78 lbs/hr) by the actual annual hours of operation as reported in Section D. 1., and then dividing by 2,000 lbs/ton.

c. Emission Limitation

Emissions of NO<sub>x</sub> shall not exceed 8.52 lb/hr

Applicable Compliance Method

Compliance shall be demonstrated based on the potential to emit as calculated in the following equation:

$$\text{NO}_x(\text{lb/hr}) = 3.2 \text{ lb NO}_x/\text{MMbtu} * 2.66 \text{ MMbtu/hr} = 8.52 \text{ lb/hr}$$

Where

The emissions factor of 3.2 lb NO<sub>x</sub>/MMbtu used is obtained from AP-42 Chapter 3.4, Table 3.4-1 (10/96).

d. Emission Limitation

Emissions of NO<sub>x</sub> shall not exceed 17.04 TPY

#### Applicable Compliance Method

Compliance shall be demonstrated by multiplying the allowable hourly emission rate (8.52 lbs/hr) by the actual annual hours of operation as reported in Section D. 1., and then dividing by 2,000 lbs/ton.

e. Emission Limitation

Emissions of CO shall not exceed 2.26 lb/hr

#### Applicable Compliance Method

Compliance shall be demonstrated based on the potential to emit as calculated in the following equation:

$$\text{CO(lb/hr)} = 0.85 \text{ lb CO/MMbtu} * 2.66 \text{ MMbtu/hr} = 2.26 \text{ lb/hr}$$

Where

The emissions factor of 0.85 lb CO/MMbtu used is obtained from AP-42 Chapter 3.4, Table 3.4-1 (10/96).

f. Emission Limitation

Emissions of CO shall not exceed 4.53 TPY

#### Applicable Compliance Method

Compliance shall be demonstrated by multiplying the allowable hourly emission rate (2.26 lbs/hr) by the actual annual hours of operation as reported in Section D. 1., and then dividing by 2,000 lbs/ton.

g. Emission Limitation

Emissions of OC shall not exceed 0.24 lb/hr

#### Applicable Compliance Method

Compliance shall be demonstrated based on the potential to emit as calculated in the

following equation:

$$\text{OC}(\text{lb/hr}) = 0.09 \text{ lb OC/MMbtu} * 2.66 \text{ MMbtu/hr} = 0.24 \text{ lb/hr}$$

Where

The emissions factor of 0.09 lb OC/MMbtu used is obtained from AP-42 Chapter 3.4, Table 3.4-1 (10/96)

h. Emission Limitation

Emissions of OC shall not exceed 0.48 TPY

Applicable Compliance Method

Compliance shall be demonstrated by multiplying the allowable hourly emission rate (0.24 lbs/hr) by the actual annual hours of operation as reported in Section D. 1., and then dividing by 2,000 lbs/ton.

i. Emission Limitation

Emissions of particulate matter shall not exceed 0.062 lb/MMbtu heat input.

Applicable Compliance Method

Compliance is demonstrated based on the emissions factor of 0.062 lb PE/MMBtu used as contained in AP-42 Chapter 3.4, Table 3.4-2(10/96)

j. Emission Limitation

Emissions of PE shall not exceed 0.33 TPY

Applicable Compliance Method

Compliance shall be demonstrated based on the following equation:

$$\text{PE}(\text{TPY}) = 0.062 \text{ lb/MMbtu} * 2.66 \text{ MMbtu/hr} * \text{AAHO} * 0.0005 \text{ ton/lb}$$

Where

Emissions Unit ID: B001

AAHO is the actual annual hours of operation of the emissions unit

Compliance shall be demonstrated by multiplying the allowable particulate emission limitation (0.062 lb/mmBtu) by the maximum hourly oil burning capacity of the emissions unit (2.66 MMBtu/hr), by the actual annual hours of operation as reported in Section D. 1., and then dividing by 2,000 lbs/ton.

k. Emission Limitation

Visible particulate emissions from any stack shall not exceed twenty per cent opacity, as a six-minute average, except by rule.

Applicable Compliance Method

If required, Compliance shall be demonstrated based upon the visible particulate observations specified in Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

l. Operational Limitation

The maximum annual operating hours for this emissions unit shall not exceed 4,000, based upon a rolling, 12-month summation of the operating hours.

Applicable Compliance Method

Compliance shall be determined through the Monitoring, Recordkeeping and Reporting requirements above.

**F. Miscellaneous Requirements**

None

**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>	<u>Applicable Emissions Limitations/Control Measures</u>
F001 - Sawmill	OAC rule 3745-31-05	Particulate emissions shall not exceed 0.27 lb/hr and 1.19 TPY.  Visible fugitive particulate emissions shall not exceed twenty per cent opacity as a three- minute average.

**2. Additional Terms and Conditions**

2.a None

**B. Operational Restrictions**

None

**C. Monitoring and/or Recordkeeping Requirements**

- 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the location and color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal

- emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

#### **D. Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

#### **E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation

Visible fugitive particulate emissions shall not exceed twenty per cent opacity as a three-minute average.

Applicable Compliance Method

If required, Compliance shall be demonstrated based upon the visible particulate observations specified in Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

- b. Emission Limitation  
Particulate emissions shall not exceed 0.27 lb/hr

Applicable Compliance Method

Compliance shall be demonstrated based upon the following calculation

$$E = 0.35 \text{ lb PE/ton sawed} * 7.5 \text{ ton sawed/hr} = 2.63 \text{ lb/hr} * (1-0.9) = 0.263 \text{ lb/hr}$$

Where

0.35 lb PE/tons sawed is the emissions factor taken from the Reasonably Available Control Measures (RACM) document published September 1980, and (1-0.9) is an estimated control efficiency based on the emissions unit being located inside a building.

- c. Emission Limitation

Particulate emissions shall not exceed 1.19 TPY

Applicable Compliance Method

This emission limitation was developed by multiplying the allowable hourly emission rate (0.263 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

## F. Miscellaneous Requirements

None