PERMIT TO OPERATE
NCU 095-12
SCHMIDBAUER LUMBER COMPANY

APRIL 1, 1998

NORTH COAST UNIFIED
AIR QUALITY
MANAGEMENT DISTRICT

2300 MYRTLE AVENUE
EUREKA, CALIFORNIA 95501
PHONE (707) 443-3093
FAX (707) 443-3099
NORTH COAST UNIFIED AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

NCU 095-12

SCHMIDBAUER LUMBER COMPANY, EUREKA

LEGAL OWNER OR OPERATOR: Schmidbauler Lumber Company
PO Box 152
Eureka, CA 95502
Responsible Official: Richard Graham,
Production Manager
707/443-7024

BUSINESS ACTIVITY: Schmidbauler Lumber Company owns and operates a sawmill and lumber manufacturing plant in Eureka. The mill receives logs and then saws and manufactures the rough cut lumber into finished products for commercial purposes. The mill also dries lumber in steam heated dry kilns with steam provided by a wood fired boiler. The plant has two separate processes: Combustion, and Lumber Manufacturing Processes.

EQUIPMENT LOCATED AT: The facility is located in the northwestern portion of California within the County of Humboldt and within the western portion of the city of Eureka. The facility is located on relatively level coastal land within 1/4 mile of Humboldt Bay. Many commercial businesses are located near the plant.

Whereas a timely application for a Permit to Operate has been made by Schmidbauler Lumber Company (hereinafter called the Permittee) pursuant to Regulation 1 of the Rules and Regulations of the North Coast Unified Air Quality Management District (hereinafter called the District), and said application has been reviewed and found complete by the Air Pollution Control Officer of said District (hereinafter referred to as the Control Officer or NCUAQMD).

All previous operating permits and Authority To Construct (ATC) permits issued by the District are rescinded upon issuance of this PERMIT.

This is your Permit to Operate (hereinafter called PERMIT) subject to the following terms and conditions:

4/1/98
# TABLE OF CONTENTS

## Abbreviations

### Permit Units

<table>
<thead>
<tr>
<th>Permit No.</th>
<th>Permit No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS-065</td>
<td></td>
</tr>
<tr>
<td>NC-223</td>
<td></td>
</tr>
<tr>
<td>NC-222</td>
<td></td>
</tr>
<tr>
<td>NC-311</td>
<td></td>
</tr>
<tr>
<td>NC-362</td>
<td></td>
</tr>
</tbody>
</table>

### General Provisions

- Fee Payment
- Inspection and Entry
- Facility Operation
- Compliance
- Severability
- Recordkeeping and Reporting
- Transfer of Ownership
- Reopening for Cause
- Property Rights
- Permit Renewal and Expiration
- Permit Modification
- Prohibitions

**Permit Certification**, authorized signature and date

**Figure I**, Opacity vs. Particulate grain loading

**Figure II**, Potential to Emit - Limiting Permit Conditions

**Appendix** - Regulation 1, Air Quality Control Rules
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARB</td>
<td>California Air Resources Board</td>
</tr>
<tr>
<td>CEMS</td>
<td>continuous emissions monitoring system</td>
</tr>
<tr>
<td>CFR</td>
<td>Code of federal regulations</td>
</tr>
<tr>
<td>CO</td>
<td>carbon monoxide</td>
</tr>
<tr>
<td>CO₂</td>
<td>carbon dioxide</td>
</tr>
<tr>
<td>dscf</td>
<td>dry standard cubic foot</td>
</tr>
<tr>
<td>deg. F</td>
<td>degrees Fahrenheit</td>
</tr>
<tr>
<td>District</td>
<td>North Coast Unified Air Quality Management District</td>
</tr>
<tr>
<td>USEPA</td>
<td>Environmental Protection Agency</td>
</tr>
<tr>
<td>gpm</td>
<td>gallons per minute</td>
</tr>
<tr>
<td>gr/acf</td>
<td>grains per actual cubic foot</td>
</tr>
<tr>
<td>gr/dscf</td>
<td>grains per dry standard cubic foot</td>
</tr>
<tr>
<td>lbs/hr</td>
<td>pounds per hour</td>
</tr>
<tr>
<td>MMBtu</td>
<td>million British thermal units</td>
</tr>
<tr>
<td>NOx</td>
<td>nitrogen oxides</td>
</tr>
<tr>
<td>NSPS</td>
<td>New Source Performance Standards</td>
</tr>
<tr>
<td>O₂</td>
<td>oxygen</td>
</tr>
<tr>
<td>pH</td>
<td>hydrogen ion concentration in a solution</td>
</tr>
<tr>
<td>ppmv</td>
<td>parts per million by volume</td>
</tr>
<tr>
<td>tpy</td>
<td>tons per year</td>
</tr>
</tbody>
</table>
PERMIT UNITS

A. Combustion Processes

(1) Permit Number - NS-065 (Steam Generator).
Name - Wood Fired Boiler

I. BASIC EQUIPMENT - The permittee operates a steam generator manufactured by Wellons, rated at 45 million Btu/hr heat input. The boiler is fired with wood wastes and utilizes two fuel cells to generate heat for the boiler.

II. CONTROL EQUIPMENT - Multiclones

III EMISSIONS LIMITATIONS
A. Particulate Matter
   1. Particulate loading -
      a. The permittee shall not discharge particulate matter into the atmosphere in excess of 0.10 gr/dscf of exhaust gas, calculated to 12 percent CO₂ [Regulation 1, Rule 420(b)].
      b. 7.9 lbs/hr particulate matter and 34.6 tons per year @ 8760 hours per year [Regulation 1, Rule 240(d)].
   2. Visible emissions - see General Provisions, section L.

IV. COMPLIANCE MONITORING
A. The following methods shall be used for determining compliance with the above emissions limitations:
   1. Particulate Matter - CARB Method 5.
   Compliance testing shall be conducted by the above methods and on a frequency in accordance with current District Policies [Regulation 1, Rule 240(h)].

V. REPORTING AND RECORDKEEPING - see General Provisions, section F.

VI. OPERATING CONDITIONS - see General Provisions, section C.
   A. The boiler shall be fired only with wood wastes. Wood waste means sawmill or lumber wastes; or vegetation which are not treated with any chemicals. Painted wood is allowable provided that the paint is tested for lead. Lumber painted with lead based paints shall not be burned in the boiler [Regulation 1, Rule 240(d)].
   B. The boiler shall be maintained and kept in good operating condition at all times.
   C. The boiler may be operated up to 365 days per year and 24 hours per day.

4/1/98
B. Lumber Manufacturing Process
(1) Permit Number - NC-223 (Collector).
Name - Stud Trim

I. BASIC EQUIPMENT - Stud mill trim saws used to cut studs to length. A 50 HP blower is used
to pneumatically convey the wood particles to a 60 inch diameter cyclone collector. The exhaust air
from the collector is discharged directly to the atmosphere while the wood particles gravity feed to
storage. The system is rated at 8500 cfm.

II. CONTROL EQUIPMENT - None.

III EMISSIONS LIMITATIONS
A. Particulate Matter
1. Particulate Loading - See General Provisions, section L, and
   a. Particulate matter emissions from all collectors in the Lumber
      Manufacturing Process is limited to 30.9 lbs/hr on a 4000 hours per year
      basis and 61.8 ton per year (See Figure II) (Regulation 1, Rule 240(d)).
2. Visible Emissions - see General Provisions, section L.
3. Fugitive Dust - see General Provisions, section L.

IV. COMPLIANCE MONITORING
A. The following methods shall be used for determining compliance with the above
   emissions limitations:
   1. Particulate Matter - Oregon DEQ Method 8. An engineering evaluation will be
      allowed utilizing the District's emission factors for collectors which provides grain
      loading vs. opacity (Figure 1) in support of a test exclusion.
      Compliance testing shall be conducted by the above methods and on a frequency in
      accordance with current District policies (Regulation 1, Rule 240(d)).
   3. Fugitive Dust - The permittee shall conduct inspections of the basic equipment
      on a weekly basis (7 day schedule). Data availability from this manual recordkeeping
      shall be 90% of the actual operating time of the plant (Regulation 1, Rule 240(d)).
      a. Any notable blow pipe or collector leak of exhaust gas prior to the
         discharge point to the atmosphere shall be repaired within 3 days upon
         detection.
      b. Wood particles deposited on the roof of the building or elsewhere shall be
         removed within 3 days upon detection.

V. REPORTING AND RECORDKEEPING - see General Provisions, section F.
A. A log shall be maintained which specifies the initials of the person inspecting the
   system, date inspected, location of any leak found, and date of repair.
B. No monitoring other than indicated shall be required for this permit unit.

VI. OPERATING CONDITIONS - see General Provisions, section C.
A. The permittee shall not operate the system should the collector become plugged which
   causes wood particles to be blown to the atmosphere. Once the system is found to be
   plugged, the permittee shall stop all pertinent process operations and remove the plug prior
   to further operation. Such system failures shall be reported to the District in accordance
   with Rule 540, Breakdown Procedures.
I. BASIC EQUIPMENT - A planer used to surface green or kiln dried lumber. A 75 HP blower is used to pneumatically convey the wood particles to a 108 inch diameter cyclone collector. The exhaust air from the collector is discharged directly to the atmosphere while the wood particles gravity feed to storage. The system is rated at 20,000 cfm.

II. CONTROL EQUIPMENT - None.

III EMISSIONS LIMITATIONS
A. Particulate Matter
   1. Particulate loading - See General Provisions, section L, and
      a. Particulate matter emissions from all collectors in the Lumber Manufacturing Process is limited to 30.9 lbs/hr on a 4000 hours per year basis and 61.8 ton per year (See Figure II) [Regulation 1, Rule 240(d)].
   2. Visible Emissions - see General Provisions, section L.
   3. Fugitive Dust - see General Provisions, section L.

IV. COMPLIANCE MONITORING
A. The following methods shall be used for determining compliance with the above emissions limitations:
   1. Particulate Matter - Oregon DEQ Method 8. An engineering evaluation will be allowed utilizing the District's emission factors for collectors which provides grain loading vs. opacity(Figure 1) in support of a test exclusion.
   Compliance testing shall be conducted by the above methods and on a frequency in accordance with current District policies [Regulation 1, Rule 240(h)].
   3. Fugitive Dust - The permittee shall conduct inspections of the basic equipment on a weekly basis (7 day schedule). Data availability from this manual recordkeeping shall be 90% of the actual operating time of the plant [Regulation 1, Rule 240(d)].
      a. Any notable blow pipe or collector leak of exhaust gas prior to the discharge point to the atmosphere shall be repaired within 3 days upon detection.
      b. Wood particles deposited on the roof of the building or elsewhere shall be removed within 3 days upon detection.

V. REPORTING AND RECORDKEEPING - see General Provisions, section F.
A. A log shall be maintained which specifies the initials of the person inspecting the system, date inspected, location of any leak found, and date of repair.
B. No monitoring other than indicated shall be required for this permit unit.

VI. OPERATING CONDITIONS - see General Provisions, section C.
A. The permittee shall not operate the system should the collector(s) become plugged which causes wood particles to be blown to the atmosphere. Once the system is found to be plugged, the permittee shall stop all pertinent process operations and remove the plug prior to further operation. Such system failures shall be reported to the District in accordance with Rule 540, Breakdown Procedures.

4/1/98
I. BASIC EQUIPMENT - Trim and Rip Saws for cutting lumber to width and length. A 40 HP blower is used to pneumatically convey wood particles to a 38 inch diameter cyclone collector. The exhaust air from the collector is discharged directly to the atmosphere while the wood particles gravity feed to storage. The system is rated at 1500 cfm.

II. CONTROL EQUIPMENT - None.

III EMISSIONS LIMITATIONS
A. Particulate Matter
   1. Particulate loading - See General Provisions, section L, and
      a. Particulate matter emissions from all collectors in the Lumber Manufacturing Process is limited to 30.9 lbs/hr on a 4000 hours per year basis and 61.8 ton per year [See Figure II][Regulation 1, Rule 240(d)].
   2. Visible Emissions - see General Provisions, section L.
   3. Fugitive Dust - see General Provisions, section L.

IV. COMPLIANCE MONITORING
A. The following methods shall be used for determining compliance with the above emissions limitations:
   1. Particulate Matter - Oregon DEQ Method 8. An engineering evaluation will be allowed utilizing the District's emission factors for collectors which provides grain loading vs. opacity(Figure 1) in support of a test exclusion.
   2. Visible Emissions - Federal Method 9. Compliance testing shall be conducted by the above methods and on a frequency in accordance with current District policies[Regulation 1, Rule 240(h)].
   3. Fugitive Dust - The permittee shall conduct inspections of the basic equipment on a weekly basis(7 day schedule). Data availability from this manual recordkeeping shall be 90% of the actual operating time of the plant[Regulation 1, Rule 240(d)].
      a. Any notable blow pipe or collector leak of exhaust gas prior to the discharge point to the atmosphere shall be repaired within 3 days upon detection.
      b. Wood particles deposited on the roof of the building or elsewhere shall be removed within 3 days upon detection.

V. REPORTING AND RECORDKEEPING - see General Provisions, section F.
A. A log shall be maintained which specifies the initials of the person inspecting the system, date inspected, location of any leak found, and date of repair.
B. No monitoring other than indicated shall be required for this permit unit.

VI. OPERATING CONDITIONS - see General Provisions, section C.
A. The permittee shall not operate the system should the collector(s) become plugged which causes wood particles to be blown to the atmosphere. Once the system is found to be plugged, the permittee shall stop all pertinent process operations and remove the plug prior to further operation. Such system failures shall be reported to the District in accordance with Rule 540, Breakdown Procedures.
I. BASIC EQUIPMENT - A Weinig moulder for edging lumber. A 40 HP blower is used to pneumatically convey wood particles to a 42 inch diameter cyclone collector. The exhaust air from the collector is discharged directly to the atmosphere while the wood particles gravity feed to storage. The system is rated at 1500 cfm.

II. CONTROL EQUIPMENT - None.

III. EMISSIONS LIMITATIONS
   A. Particulate Matter
      1. Particulate loading - See General Provisions, section L, and
         a. Particulate matter emissions from all collectors in the Lumber Manufacturing Process is limited to 30.9 lbs/hr on a 4000 hours per year basis and 61.8 ton per year(See Figure II)[Regulation 1, Rule 240(d)].
      2. Visible Emissions - see General Provisions, section L.
      3. Fugitive Dust - see General Provisions, section L.

IV. COMPLIANCE MONITORING
   A. The following methods shall be used for determining compliance with the above emissions limitations:
      1. Particulate Matter - Oregon DEQ Method 8. An engineering evaluation will be allowed utilizing the District's emission factors for collectors which provides grain loading vs. opacity(Figure 1) in support of a test exclusion.
      Compliance testing shall be conducted by the above methods and on a frequency in accordance with current District policies[Regulation 1, Rule 240(h)].
      3. Fugitive Dust - The permittee shall conduct inspections of the basic equipment on a weekly basis(7 day schedule). Data availability from this manual recordkeeping shall be 90% of the actual operating time of the plant[Regulation 1, Rule 240(d)].
         a. Any notable blow pipe or collector leak of exhaust gas prior to the discharge point to the atmosphere shall be repaired within 3 days upon detection.
         b. Wood particles deposited on the roof of the building or elsewhere shall be removed within 3 days upon detection.

V. REPORTING AND RECORDKEEPING - see General Provisions, section F.
   A. A log shall be maintained which specifies the initials of the person inspecting the system, date inspected, location of any leak found, and date of repair.
   B. No monitoring other than indicated shall be required for this permit unit.

VI. OPERATING CONDITIONS - see General Provisions, section C.
   A. The permittee shall not operate the system should the collector(s) become plugged which causes wood particles to be blown to the atmosphere. Once the system is found to be plugged, the permittee shall stop all pertinent process operations and remove the plug prior to further operation. Such system failures shall be reported to the District in accordance with Rule 540, Breakdown Procedures.
GENERAL PROVISIONS

These general provisions apply to all facilities or sources owned or operated by the permittee as detailed in this permit.

A. Fee Payment - The Permittee shall pay an annual permit fee and other fees as required in accordance with Regulation 1, Rule 300 of the District. Failure to pay these fees will result in forfeiture of this Permit to Operate. Operation without a permit subjects the source to potential enforcement action by the District.

B. Inspection and Entry - Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the District or an authorized representative to perform the following:

1. Enter upon the permittee's premises where a regulated facility or emissions-related activity is located or conducted, or where records must be kept under the conditions of this permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the conditions of this permit.

C. Facilities Operation

1. Operation under this permit must be conducted in compliance with all data and specifications included in the application which attest to the operator's ability to comply with District Rules and Regulations.

2. All equipment of this permit shall at all times be maintained in good working order and be operated as efficiently as possible to assure compliance with all applicable emission limits.

3. Operational Limit - Production limits are noted for each permit unit.

D. Compliance

1. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of Regulation 1 of the District and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of an application for reissuance of the permit.

2. The need to halt or reduce activity is not a defense. It shall not be a defense for a permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

3. The permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by this permit.

4/1/98 9
4. The District will conduct compliance inspections of the permitted unit. Compliance tests will include visible emissions surveys of permitted equipment. Particulate mass source testing will be required when necessary to determine compliance with particulate matter permit limits. This permit has been written with conditions that will limit the emissions of particulate matter. See Figure II for the basis of such conditions.

5. The permittee shall furnish to the District, information concerning production, operating times, control system operation and emissions data at the request of the District[Regulation 1, Rule 240(h)].

E. Severability - If any term or condition of this permit shall for any reason be adjudged by a court of competent jurisdiction to be invalid, such judgment shall not affect or invalidate the remainder of this permit.

F. Recordkeeping and Reporting

1. The permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all maintenance records, and copies of all reports required by this permit.

2. The permittee shall report to the District any deviations from these permit requirements, including those attributable to breakdown conditions, the probable cause of the deviations, and any corrective actions or preventive measures taken. Procedures of Regulation 1, Rule 540 shall be followed in the reporting of such deviations. A breakdown log shall be maintained for recordkeeping purposes.

G. Transfer of Ownership - In the event of any changes in control or ownership of these facilities, this permit together with its terms and conditions shall be binding on all subsequent owners and operators. This permit is not transferable from one person to another unless such transfer is made through the District. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, a copy of which shall be forwarded to the District. [Regulation 1, Rule 240(j)]

H. Reopening for Cause

a. This permit may be modified, revoked, reopened, reissued, or terminated for the following reasons:
   i. The District determines that the permit contains a material mistake made in establishing the emissions standards or limitations, or other requirements of the permit.
   ii. The District determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

b. The reopening of this permit for a change to be implemented for a specific permit unit will be allowed without the need to reopen the entire permit and all permit units. Should a general condition be changed, all the associated permit units affected would be reopened.

c. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

I. Property Rights - This permit does not convey any property rights of any sort, or any exclusive privilege.

4/1/98
J. Permit Renewal and Expiration - This permit is valid provided the annual renewal fee is paid.

K. Permit Modification - The permittee shall submit an application for any changes to the basic or control equipment for any permit unit in this permit.

L. Prohibitions - These limitations apply to all emissions sources at the permittee’s facility unless more specific and limiting requirements are listed for a individual permitted emissions unit in this permit.

1. Public Nuisance - The permittee shall not discharge such quantities of air contaminants or other material which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health or safety of any such persons or the public or which cause or have an natural tendency to cause injury or damage to business or property.[H&S 41700]

2. Visible Emissions - The permittee shall not discharge into the atmosphere from any source whatsoever any air contaminant for a period or periods aggregating more than three (3) minutes in any one hour which is as dark or darker in shade as that designated as No. 2 on the Ringlemann Chart, as published by the United States Bureau of Mines; or of such opacity as to obscure an observer's view to a degree equal to or greater than Ringlemann 2 or forty (40) percent opacity. [Regulation 1, Rule 410(a)]

3. Particulate Matter - The permittee shall not discharge particulate matter into the atmosphere from any non-combustion source in excess of 0.20 grains per cubic foot of exhaust gas or in total quantities in excess of the amount shown in Table I of Regulation 1, Rule 420 of the District, whichever is the more restrictive condition[Regulation 1, Rule 420(e)].

4. Fugitive Dust Emissions - The handling, transporting, or open storage of material in such a manner which allow unnecessary amounts of particulate matter to become airborne, shall not be permitted. Reasonable precautions shall be taken to prevent particulate matter from becoming airborne. [Regulation 1, Rule 430]

5. Circumvention - The permittee shall not construct, erect, modify, operate, or use any equipment which conceals an air contaminant emission, which would otherwise constitute a violation of the limitations of this permit, unless the operation or use of said equipment results in a significant reduction in the total emission of air contaminants.[Rule 400(b)]

6. Regulation 2, Open Burning Procedures - The permittee shall not ignite or cause to be ignited or suffer, allow or maintain any open outdoor fire for the disposal of rubber, petroleum or plastic wastes, demolition debris, tires, tar paper, wood waste, asphalt shingles, linoleum, cloth, household garbage or other combustible refuse; or for metal salvage or burning of motor vehicle bodies except as provided in Rule 2-102, Exemptions.

7. Title VI, Stratospheric Ozone Protection - The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, and 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
This permit becomes void upon any alteration of equipment.

This permit does not authorize the emission of air contaminants in excess of those allowed by the Health and Safety Code of the State of California or the Rules and Regulations of the North Coast Unified Air Quality Management District as stated in this permit. Any regulation or rule not cited in this permit which may be applicable to a particular emission unit will not be enforceable. This permit cannot be considered as permission to violate existing laws, ordinances, regulation or statutes of other governmental agencies. The violation of any of these terms and conditions shall be grounds for revocation of this permit, and shall be a violation of District Rules and Regulations.

North Coast Unified Air Quality Management District

2300 Myrtle Avenue
Eureka, California 95501

Phone (707) 443-3083
Fax (707) 443-3099

Date: 4/1/98

By: Wayne Morgan
Air Pollution Control Officer

permits/Schmidbauer Lumber Synthetic Minor Permit

4/1/98
FIGURE 1
CYCLONE TOP OPACITY
vs OUTLET PARTICULATE LOADING
(grains/cubic foot)
FIGURE II

SCHMIDBAUER LUMBER COMPANY, EUREKA PLANT

POTENTIAL TO EMIT - LIMITING PERMIT CONDITIONS

A. Boiler
1. PM Actual emissions - 0.073 grains/dscf = 3.8 lbs/hr
2. PM Potential emissions (allowable) - 0.10 grains/dscf = 7.9 lbs/hr
3. PM Limiting condition - 0.10 grains/dscf or 7.9 lbs/hr
   @ 24hr/d x 365 day/y x ton/2000 lb = 34.6 tpy
4. CO @ 0.5 lbs/MMBtu (0.5 x 45 = 22.5 lbs/hr x 8760 = 98.6 tons/yr

B. Collectors

<table>
<thead>
<tr>
<th>System</th>
<th>Flow, cfm</th>
<th>VE,%opacity</th>
<th>gr/cf</th>
<th>lb/hr</th>
<th>hour/yr</th>
</tr>
</thead>
<tbody>
<tr>
<td>tpy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Moulder</td>
<td>10,000</td>
<td>20</td>
<td>0.09</td>
<td>7.7</td>
<td>4000</td>
</tr>
<tr>
<td>15.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Stud Trim</td>
<td>8,500</td>
<td>20</td>
<td>0.09</td>
<td>6.6</td>
<td>4000</td>
</tr>
<tr>
<td>13.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Planer</td>
<td>20,000</td>
<td>20</td>
<td>0.09</td>
<td>15.4</td>
<td>4000</td>
</tr>
<tr>
<td>30.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Rip Saw</td>
<td>1,500</td>
<td>20</td>
<td>0.09</td>
<td>1.2</td>
<td>4000</td>
</tr>
<tr>
<td>2.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total 30.9
61.8

The entire mill is limited to 40 lbs/hr from Rule 420(e) on the basis of process weight rate limits. At 24 hr/day, 365 day/yr = 175.2 tons per year. By limiting hour of operation and emissions as shown above the tons per year is reduced.

Totals:

<table>
<thead>
<tr>
<th>Systems</th>
<th>TPY</th>
<th>Limiting Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiler, PM</td>
<td>34.6</td>
<td>0.1 gr/dscf and 7.9 lbs/hr @ 8760 hrs</td>
</tr>
<tr>
<td>Cyclones</td>
<td>61.8</td>
<td>30.9 lbs/hr and 4000 hours or equivalent hours, but not to exceed 40 lbs/hr.</td>
</tr>
<tr>
<td>Total</td>
<td>96.4</td>
<td></td>
</tr>
</tbody>
</table>