



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

Dirk Kempthorne, Governor
C. Stephen Allred, Director

January 3, 2002

CERTIFIED MAIL #7099 3220 0006 2681 6142

Mr. Derrick Crowther
Region Environmental Engineer
Boise Cascade Corp.
P.O. Box 476
Emmett, ID 83617

RE: P-010046, Boise Cascade Corp., Emmett
Laminated Beam Plant Amendment, PTC No. 045-00001

Dear Mr. Crowther:

The Idaho Department of Environmental Quality (Department) is issuing amended Permit to Construct (PTC) No. 045-00001 for Boise Cascade in accordance with IDAPA 58.01.01.200-223, *Rules for the Control of Air Pollution in Idaho*. This PTC is effective immediately, and is based on the permit application received November 6, 2001.

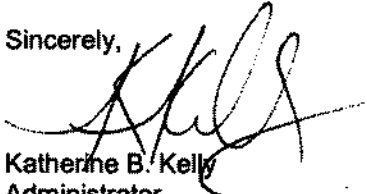
This permit does not release Boise Cascade from compliance with all other applicable federal, state, or local laws, regulations, permits or ordinances.

Please pay particular attention to the reporting requirements contained in Paragraph E of the General Provisions. This information is needed to properly track the progress of the permit. Please refer to the appropriate permit number when submitting the required reports.

Matt Stoll of the Boise Regional Office will contact you regarding a meeting with the Department to discuss the permit terms and requirements. In addition to your facility's plant manager, the Department recommends the following representatives from your facility attend the meeting: your responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions.

You, as well as any other entity, may have the right to appeal this permit pursuant to IDAPA 58.01.23, *Rules Governing Contested Case Proceedings and Declaratory Rulings*. A petition may be filed with the Hearings Coordinator, Department of Environmental Quality, 1410 N. Hilton, Boise, ID 83706-1255 within 35 days of the date of this decision. However, prior to filing a petition for a contested case, the Department encourages you to contact us to discuss any questions or concerns you may have with the enclosed permit.

Sincerely,


Katherine B. Kelly
Administrator
Air Quality Division

KK/NBD/tk AIR.SSBG.B013.0402.460 G:\Air Permits\PTC\Boise Cascade Emmett\Final Prep\P-010046 Permit Letter.doc

Enclosures

cc: Belinda McFarland, Technical Services
Matt Stoll, Boise Regional Office
Laurie Kral, EPA Region 10



Air Quality
PERMIT TO CONSTRUCT
 State of Idaho
 Department of Environmental Quality

PERMIT NO.: 045 - 00001
AQCR: 63 **CLASS:** A
SIC: 2421 **ZONE:** 11
UTM COORDINATE (km): 539 . 2 , 4857 . 8

1. PERMITTEE
 Boise Cascade Corp.

2. PROJECT
 Laminated Beam Plant Expansion

3. MAILING ADDRESS P.O. Box 476	CITY Emmett	STATE ID	ZIP 83617
4. FACILITY CONTACT Derrick Crowther	TITLE Region Environmental Engineer	TELEPHONE (208) 365-4431	
5. RESPONSIBLE OFFICIAL Emmerentia Guthrie	TITLE Regional Manager	TELEPHONE (208) 365-4431	
6. EXACT PLANT LOCATION Mill Road and Main Street, Emmett, Idaho		COUNTY Gem	

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS
 Lumber, Plywood, Laminated Beams, and Electrical Cogeneration

8. GENERAL CONDITIONS
 This permit is issued according to IDAPA 58.01.01.200 (*Rules for the Control of Air Pollution in Idaho*), and pertains only to emissions of air contaminants regulated by the state of Idaho and to the sources specifically allowed to be constructed by this permit.

This permit (a) does not affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to damage to person or property caused by, resulting from, or arising out of the design, installation, maintenance, or operation of the proposed equipment; (c) does not release the permittee from compliance with other applicable federal, state, tribal, or local laws, regulations, or ordinances; (d) in no manner implies or suggests that the Idaho Department of Environmental Quality (Department) or its officers, agents, or employees, assume any liability, directly or indirectly, for any loss due to damage to person or property caused by, resulting from, or arising out of design, installation, maintenance, or operation of the proposed equipment.

This permit is not transferable to another person, place, or piece or set of equipment. This permit will expire if construction has not begun within two years of its issue date or if construction is suspended for one year.

This permit has been granted on the basis of design information presented with its application. Changes of design or equipment may require Department approval pursuant to the *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01.200, et seq.

KATHERINE B. KELLY, ADMINISTRATOR, AIR QUALITY DIVISION
 DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE: January 3, 2002

Permittee: Boise Cascade Corp.
Location: Emmett, Idaho

Date Issued: January 3, 2002

SOURCE: LAMINATED BEAM PLANT

1. EMISSION LIMITS**1.1 Emission Limits**

Emissions of particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM₁₀) from cyclone C22 and baghouse BH1 shall not exceed any corresponding emission rate limits listed in the appendix of this permit.

[IDAPA 58.01.01.203, (5/1/94)]

1.2 Opacity Limit

Emissions from any point of emission associated with the laminated beam plant shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

[IDAPA 58.01.01.625, (4/5/00)]

2. OPERATING REQUIREMENTS**2.1 Daily Throughput Limits**

The maximum daily throughput of the laminated beam manufacturing process shall not exceed 273,984 board feet per day (Bdf/day).

[IDAPA 58.01.01.203, (5/1/94)]

2.2 Monitoring Equipment

The permittee shall install, calibrate, maintain, and operate equipment to continuously measure the pressure differential across baghouse BH1, in accordance with manufacturer's specifications.

[IDAPA 58.01.01.203, (5/1/94)]

2.3 Baghouse Pressure Drop

The pressure drop across baghouse BH1 shall be maintained within the manufacturer and operation and maintenance (O&M) manual specifications. Documentation of the operating pressure drop specifications for the baghouse shall remain onsite at all times and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.203, (5/1/94)]

2.4 Reasonable Control of Fugitive Emissions

All reasonable precautions shall be taken to prevent particulate matter from becoming airborne as required in IDAPA 58.01.01.651. In determining what is reasonable, considerations will be given to factors such as the proximity of dust-emitting operations to human habitations and/or activities and atmospheric conditions that might affect the movement of particulate matter. Some of the reasonable precautions include, but are not limited to, the following:

- 2.4.1 Use, where practical, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of lands;

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: 045-00001

Permittee: Boise Cascade Corp.
Location: Emmett, Idaho

Date Issued: January 3, 2002

SOURCE: LAMINATED BEAM PLANT

- 2.4.2 Application, where practical, of asphalt, oil, water, or suitable chemicals to, or covering of, dirt roads, material stockpiles, and other surfaces which can create dust;
- 2.4.3 Installation and use, where practical, of hoods, fans, and fabric filters or equivalent systems to enclose and vent the handling of dusty materials. Adequate containment methods should be employed during sandblasting or other operations;
- 2.4.4 Covering, where practical, of open-bodied trucks transporting materials likely to give rise to airborne dusts;
- 2.4.5 Paving of roadways and their maintenance in a clean condition, where practical; or
- 2.4.6 Prompt removal of earth or other stored material from streets, where practical.

[IDAPA 58.010.01.651, (5/1/94)]

3. MONITORING AND RECORDKEEPING REQUIREMENTS

3.1 Monitor Operating Parameters

The permittee shall monitor and record the following information. A compilation of the most recent two years of records shall be kept onsite and shall be made available to Department representatives upon request.

- 3.1.1 The throughput of laminated beam manufacturing process in Bdf/Day; and
- 3.1.2 The pressure drop across baghouse BH1 on a daily basis.

[IDAPA 58.01.01.203, (5/1/94)]

3.2 Operations and Maintenance Manual Requirements

Within 60 days after startup, the permittee shall have developed an O&M manual for baghouse BH1 describing the procedures that will be followed to comply with General Provision B and the baghouse requirements contained in this permit. The manual shall remain onsite at all times and shall be available to Department representatives upon request.

[IDAPA 58.01.01.203, (5/1/94)]

4. REPORTING REQUIREMENTS

4.1 Certification of Documents

All documents submitted to the Department, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certifications, shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.

[IDAPA 58.010.01.123, (5/1/94)]

Permittee: Boise Cascade Corp.

Location: Emmett, Idaho

Date Issued: January 3, 2002

SOURCE: LAMINATED BEAM PLANT

4.2 Reports and Certifications

All periodic reports and certifications required by this permit shall be submitted to the Department within 30 days of the end of each specified reporting period unless otherwise specified in this permit. Excess emission reports and notifications shall be submitted in accordance with IDAPA 58.01.01.130-136. Reports, certifications, and notification shall be submitted to:

Air Quality Permit Compliance
Department of Environmental Quality
Boise Regional Office
1445 N. Orchard St.
Boise, ID 83706-2239

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: 045-00001

Permittee: Boise Cascade Corp.
Location: Emmett, Idaho

Date Issued: January 3, 2002

APPENDIX

Boise Cascade Corporation, Emmett

Emission Limits^a - Hourly Average^b (lb/hr)^c and Annual^d (T/yr)^e

SOURCE DESCRIPTION	PM ₁₀ ^f	
	lb/hr	T/yr
Cyclone C22	0.21	0.92
Baghouse BH1	0.02	0.1

- a. As determined by a pollutant-specific U.S. Environmental Protection Agency reference method, or Department-approved alternative, or as determined by the Department's emission estimation methods used in this permit analysis.
- b. As determined by extrapolating hourly average emission rates from the daily production rates and the emission factors used in this permit analysis.
- c. Pounds per hour.
- d. As determined by multiplying the actual or allowable (if actual is not available) lb/hr emission rate by the allowable hours per year that the process(es) may operate(s), or by actual annual production rates.
- e. Tons per year.
- f. Particulate matter with an aerodynamic diameter less than 10 micrometers.

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: 045-00001

Permittee: Boise Cascade Corp.
Location: Emmett, Idaho

Date Issued: January 3, 2002

GENERAL PROVISIONS

PERMIT TO CONSTRUCT GENERAL PROVISIONS

- A. All emissions authorized herein shall be consistent with the terms and conditions of this permit and the *Rules for the Control of Air Pollution in Idaho*. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the *Rules for the Control of Air Pollution in Idaho*, and the Environmental Protection and Health Act, Idaho Code 39-101, et seq.
- B. The permittee shall at all times (except as provided in the *Rules for the Control of Air Pollution in Idaho*) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable Idaho laws for the control of air pollution.
- C. The permittee shall allow the Director, and/or an authorized Department representative(s), upon the presentation of credentials:
1. To enter, at reasonable times, upon the premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit.
 2. At reasonable times, to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and require stack emissionS testing in conformance with IDAPA 58.01.01.157 when deemed appropriate by the Director.
- D. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- E. The permittee shall notify the Department, in writing, of the required information for the following events within five working days after occurrence:
1. Initiation of Construction - Date
 2. Completion/Cessation of Construction - Date
 3. Actual Production Startup - Date
 4. Initial Date of Achieving Maximum Production Rate - Production Rate and Date
- F. If emission testing is specified, the permittee must schedule such testing within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup. Such testing must **strictly** adhere to the procedures outlined in IDAPA 58.01.01.157 and shall not be conducted on weekends or state holidays without prior written approval from the Department. Testing procedures and specific time limitations may be modified by the Department by prior negotiation if conditions warrant adjustment. The Department shall be notified at least 15 days prior to the scheduled compliance test. Any records or data generated as a result of such compliance test shall be made available to the Department upon request.
- The maximum allowable operating rate shall be limited to 120% of the average operating rate attained during any performance test period, for which a test protocol has been granted prior approval by the Department, unless (1) the test demonstrates noncompliance; (2) a more restrictive operating limit is specified elsewhere in this permit; or (3) at such an operating rate, emissions would exceed any emission limit(s) set forth in this permit.
- G. The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.