



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

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

Dirk Kempthorne, Governor  
Toni Hardesty, Director

April 1, 2005

**Certified Mail No. 7000 0520 0016 0850 4608**

Bruce Cartmel  
Regional Manager  
Boise Building Solutions Manufacturing, L.L.C.  
1917 Jackson Ave.  
La Grande, OR 97850

RE: Facility ID No. 045-00001, Boise Building Solutions Manufacturing, L.L.C., Emmett  
Final Permit Letter

Dear Mr. Cartmel:

The Idaho Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) Number P-040046 for Boise Building Solutions Manufacturing, L.L.C. (BBSM) in accordance with IDAPA 58.01.01.200 through 228 (Rules for the Control of Air Pollution in Idaho). This permit is effective immediately and is based on your permit application received December 27, 2004.

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

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

Pursuant to IDAPA 58.01.23, you, as well as any other entity, may have the right to appeal this final agency action within 35 days of the date of this decision. However, prior to filing a petition for a contested case, I encourage you to call Bill Rogers at (208) 373-0502 to address any questions or concerns you may have with the enclosed permit.

Sincerely,

A handwritten signature in cursive script that reads "Martin Bauer".

Martin Bauer, Administrator  
Air Quality Division

MB/AC/sd  
Enclosures

Permit No. P-040046



**Air Quality  
PERMIT TO CONSTRUCT**

**State of Idaho  
Department of Environmental Quality**

**PERMIT No.:** P-040046

**FACILITY ID No.:** 045-00001

**AQCR:** 63

**CLASS:** SM

**SIC:** 2421

**ZONE:** 11

**UTM COORDINATE (km):** 539.2, 4857.8

**1. PERMITTEE**

Boise Building Solutions Manufacturing, L.L.C.

**2. PROJECT**

PTC Revision - Change in Responsible Official and Facility Contact

**3. MAILING ADDRESS**

1917 Jackson Ave

**CITY**

La Grande

**STATE**

OR

**ZIP**

97850

**4. FACILITY CONTACT**

Bart Barlow

**TITLE**

Region Environmental Engineer

**TELEPHONE**

(541) 962-2057

**5. RESPONSIBLE OFFICIAL**

Bruce Cartmel

**TITLE**

Regional Manager

**TELEPHONE**

(541) 962-2001

**6. EXACT PLANT LOCATION**

Mill Road and Main Street, Emmett, Idaho

**COUNTY**

Gem

**7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS**

Laminated beams

**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 or modified 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 Department of Environmental Quality (DEQ) 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 DEQ approval pursuant to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.200, et seq.

  
TONI HARDESTY, DIRECTOR  
DEPARTMENT OF ENVIRONMENTAL QUALITY

**DATE ISSUED:** April 1, 2005

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## Acronyms, Units, and Chemical Nomenclature

AQCR	Air Quality Control Region
DEQ	Department of Environmental Quality
EPA	U.S. Environmental Protection Agency
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
km	kilometer
lb/hr	pound per hour
PM <sub>10</sub>	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
PTC	permit to construct
SIC	Standard Industrial Classification
T/yr	tons per year
UTM	Universal Transverse Mercator

**AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-040046**

<b>Permittee:</b>	Boise Building Solutions Manufacturing, L.L.C.	<b>Facility ID No.</b> 045 - 00001	<b>Date Issued:</b>	April 1, 2005
<b>Location:</b>	Emmett, Idaho			

**1. PERMIT TO CONSTRUCT SCOPE**

***Purpose***

- 1.1 This PTC is a revision to the facility's existing PTC. This PTC revision is a change in the facility's Responsible Official and Facility Contact.
- 1.2 This PTC replaces PTC No. P-040032, issued November 19, 2004, the terms and conditions of which shall no longer apply.

***Regulated Sources***

Table 1.1 lists all sources of regulated emissions in this PTC.

**Table 1.1 SUMMARY OF REGULATED SOURCES**

<b>Permit Section</b>	<b>Source Description</b>		<b>Emissions Control(s)</b>	
2	<u>Cyclone C22</u>		<u>Baghouse BH1</u>	
	Stack height (m)	21.3	Stack height (m)	13.1
	Stack diameter (m)	1.22	Stack diameter (m)	0.61

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**2. LAMINATED BEAM PLANT**

**2.1 Process Description**

Laminated beams are produced using a fingerjointing operation and beam texturing process.

***Emissions Limits***

**2.2 Emissions Limits**

The PM<sub>10</sub> emissions from the Cyclone C22 stack and Baghouse BH1 stack shall not exceed any corresponding emissions rate limits listed in Table 2.1.

**Table 2.1 EMISSIONS LIMITS**

<b>Source Description</b>	<b>PM<sub>10</sub></b>	
	<b>lb/hr</b>	<b>T/yr</b>
Cyclone C22	0.21	0.92
Baghouse BH1	0.02	0.1

**2.3 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.

***Operating Requirements***

**2.4 Throughput Limits**

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

**2.5 Monitoring Equipment**

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

**2.6 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 DEQ representatives upon request.

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**2.7 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:

- 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;
- 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;
- 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;
- Covering, where practical, of open-bodied trucks transporting materials likely to give rise to airborne dusts;
- Paving of roadways and their maintenance in a clean condition, where practical; or
- Prompt removal of earth or other stored material from streets, where practical.

***Monitoring and Recordkeeping Requirements***

**2.8 Monitor Operating Parameters**

The permittee shall monitor and record the following information. Records of this information shall remain on site for the most recent two-year period and shall be made available to DEQ representatives upon request.

- The throughput of laminated beam manufacturing process in Bdf/day; and
- The pressure drop across Baghouse BH1 on a daily basis when operating.

**2.9 Baghouse BH1 O&M Manual Requirement**

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 2 and the baghouse requirements contained in Permit Condition 2.6. The manual shall remain onsite at all times and shall be available to DEQ representatives upon request.

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***Reporting Requirements***

**2.10 Certification of Documents**

All documents submitted to DEQ, 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.

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**3. PERMIT TO CONSTRUCT GENERAL PROVISIONS**

1. The permittee has a continuing duty to comply with all terms and conditions of this permit. 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 emissions 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.
2. 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.
3. The permittee shall allow the Director, and/or the authorized representative(s), upon the presentation of credentials:
  - To enter, at reasonable times, upon the premises where an emissions source is located, or in which any records are required to be kept under the terms and conditions of this permit.
  - 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 compliance testing in conformance with IDAPA 58.01.01.157 when deemed appropriate by the Director.
4. 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.
5. The permittee shall notify DEQ, in writing, of the required information for the following events within 5 working days after occurrence:
  - Initiation of Construction - Date
  - Completion/Cessation of Construction - Date
  - Actual Production Startup - Date
  - Initial Date of Achieving Maximum Production Rate - Production Rate and Date
6. The Director may require the permittee to develop a list of operation and maintenance procedures to be submitted to DEQ. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
7. If performance testing (air emissions source test) is required by this permit, the permittee shall provide notice of intent to test to DEQ at least 15 days prior to the scheduled test date or shorter time period as approved by DEQ. DEQ may, at its option, have an observer present at any emissions tests conducted on a source. DEQ requests that such testing not be performed on weekends or state holidays.

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All performance testing shall be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior DEQ approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by DEQ for any testing deviations, DEQ may determine that the testing does not satisfy the testing requirements. Therefore, at least 30 days prior to conducting any performance test, the permittee is encouraged to submit a performance test protocol to DEQ for approval. The written protocol shall include a description of the test method(s) to be used, an explanation of any or unusual circumstances regarding the proposed test, and the proposed test schedule for conducting and reporting the test.

Within 30 days following the date in which a performance test required by this permit is concluded, the permittee shall submit to DEQ a performance test report. The written report shall include a description of the process, identification of the test method(s) used, equipment used, all process operating data collected during the test period, and test results, as well as raw test data and associated documentation, including any approved test protocol.

8. 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.
9. In accordance with IDAPA 58.01.01.123, all documents submitted to DEQ, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certification 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.