



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

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

Dirk Kempthorne, Governor  
Toni Hardesty, Director

March 7, 2006

**Certified Mail No. 7005 1160 0000 1550 4991**

Mr. Kenneth Ropski  
Manufacturing Manager  
Louisiana-Pacific Corp.  
420 W. Franklin Road  
Meridian, ID 83642

RE: Facility ID No. 001-00115, Louisiana-Pacific Corp., Meridian  
Final Permit Letter

Dear Mr. Ropski:

The Idaho Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) Number P-050039 for Louisiana-Pacific Corp., in accordance with IDAPA 58.01.01.200 through 228 (Rules for the Control of Air Pollution in Idaho).

This permit is based on your permit application received on August 17, 2005. This permit is effective immediately and replaces PTC No. P-030058, issued on April 15, 2004, the terms and conditions of which no longer apply. This permit does not release Louisiana-Pacific Corp. 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 black ink that reads "Martin Bauer" followed by "for:".

Martin Bauer, Administrator  
Air Quality Division

MB/AC/sd

Permit No. P-050039

Enclosures



**Air Quality  
PERMIT TO CONSTRUCT**

**State of Idaho  
Department of Environmental Quality**

**PERMIT No.:** P-050039

**FACILITY ID No.:** 001-00115

**AQCR:** 64

**CLASS:** B

**SIC:** 2431

**ZONE:** 11

**UTM COORDINATE (km):** 548.3, 4828.3

**1. PERMITTEE**  
Louisiana-Pacific Corp.

**2. PROJECT**  
Permit to Construct Revision

**3. MAILING ADDRESS**  
420 West Franklin Road

**CITY**  
Meridian

**STATE**  
Idaho

**ZIP**  
83642

**4. FACILITY CONTACT**  
Dave Harvey

**TITLE**  
Corporate Environmental Affairs Manager

**TELEPHONE**  
(800) 547-6331

**5. RESPONSIBLE OFFICIAL**  
Kenneth Ropski

**TITLE**  
Manufacturing Manager

**TELEPHONE**  
(208) 888-6798

**6. EXACT PLANT LOCATION**  
420 West Franklin Road, Meridian, Idaho

**COUNTY**  
Ada

**7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS**  
Composite decking manufacturing

**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 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 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.

  
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**TONI HARDESTY, DIRECTOR  
DEPARTMENT OF ENVIRONMENTAL QUALITY**

**DATE ISSUED:** March 7, 2006

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## Acronyms, Units, and Chemical Nomenclature

AIRS	Aerometric Information Retrieval System
AQCR	Air Quality Control Region
CO	carbon monoxide
DEQ	Idaho Department of Environmental Quality
HDPE	high density polyethylene
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
MMBtu/hr	million British thermal units per hour
NO <sub>x</sub>	nitrogen oxides
O&M	operations and maintenance
PM <sub>10</sub>	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
SIC	Standard Industrial Classification
SO <sub>2</sub>	sulfur dioxide
T/yr	tons per year
UTM	Universal Transverse Mercator
VOC	volatile organic compound

**AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-050039**

<b>Permitte</b>	Louisiana-Pacific Corp.	<b>Facility ID No.</b> 001-00115	<b>Date Issued:</b>	March 7, 2006
<b>Location</b>	Meridian, Idaho			

**1. PERMIT TO CONSTRUCT SCOPE**

***Purpose***

- 1.1 This permitting action involves a permit revision to reflect as-built parameters of emission sources installed at the facility, and removes the Re grind System from the permit because it no longer vents to the outside air.
- 1.2 This PTC replaces PTC No. P-030058, issued on April 15, 2004, the terms and conditions of which 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	Trim End Hog	Wood Handling Baghouse #1
2	Wood storage silo	Wood Handling Baghouse #2
2	Secondary hammermill	Sifter Baghouse
3	Wood dryer #1	Wood Dryer Baghouse #1
3	Wood dryer #2	Wood Dryer Baghouse #2
4	Finishing Line #1	Finishing Line Baghouse #1
4	Finishing Line #2	Finishing Line Baghouse #2
4	Finishing Line #4	Finishing Line Baghouse #4
5	HDPE storage silo #4	HDPE Silo Bin Vent #1
5	Dry Wood Day Bin #1	Dry Wood Day Bin vent #1
5	Dry Wood Day Bin #2	Dry Wood Day Bin vent #2

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**2. WOOD HANDLING SYSTEM**

**1.1 Process Description**

The wood handling system is designed to operate with various types of wood fiber, including end trim blocks. The wood waste enters the process via a truck dump hopper. From the hopper, this material passes over a combination of rolls and a scalping screen that are designed to sort material by weight and size. The trim blocks that are separated out are conveyor fed to a Trim End Hog that busts the blocks up and reintroduces the wood fiber back into the wood handling system. Wood is fed into the primary hammermill which further reduces it in size and then delivers it into a 120,000 cubic foot storage silo or the fines are directed to a second wet wood storage silo. The moisture content of the wet wood waste is around seven to 10% by weight. Emissions from the secondary hammermill are controlled by the Sifter Baghouse.

**2.2 Emissions Control Description**

The Trim End Hog, the wood storage silo, and the secondary hammermill are the emissions sources associated with the wood handling system. Particulate matter is the only air pollutant emitted. Particulate matter emissions from each emissions source are vented to dedicated baghouses. The baghouse stacks or vents are the emissions points. Table 2.1 lists the emissions sources, the emissions points, and the unique emissions point unit identification numbers associated with wood handling system.

**Table 2.1 WOOD HANDLING SYSTEM EMISSIONS SOURCES, EMISSIONS POINTS, AND UNIT ID**

<b>Emissions Source</b>	<b>Emissions Point</b>	<b>Emission Point Unit ID</b>
Trim End Hog	Wood Handling Baghouse #1	C17
Wood storage silo	Wood Handling Baghouse #2	C18
Secondary hammermill	Sifter Baghouse	C22

***Emissions Limits***

**2.3 Emissions Limits**

The PM<sub>10</sub> emissions from the Wood Handling Baghouse #1 stack, the Wood Handling Baghouse #2 stack, and the Sifter Baghouse stack shall not exceed any corresponding emissions rate limits listed in Table 2.2.

**Table 2.2 WOOD HANDLING BAGHOUSE NOS. 1 AND 2, AND THE SIFTER BAGHOUSE EMISSIONS LIMITS\***

<b>Source Description</b>	<b>PM<sub>10</sub></b>	
	<b>lb/hr</b>	<b>T/yr</b>
Wood Handling Baghouse #1 (C17)	0.87	3.80
Wood Handling Baghouse #2 (C18)	0.39	1.73
Sifter Baghouse (C22)	0.24	2.09

\*The permittee shall not exceed the T/yr listed based on any consecutive 12-month period.

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**2.4 Grain Loading Limits**

The PM emissions from the Wood Handling Baghouse #1 stack, the Wood Handling Baghouse #2 stack, and the Sifter Baghouse stack shall not exceed 0.005 grains per dry standard cubic foot (gr/dscf).

**2.5 Visible Emissions Limit**

Emissions from the Wood Handling Baghouse #1 stack, the Wood Handling Baghouse #2 stack, and the Sifter Baghouse stack, vent, or other functionally equivalent opening associated with the Wood Handling System, 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***

**2.6 Pressure Drop Monitoring Device**

The permittee shall install, calibrate, operate, and maintain, pressure drop monitoring devices to continuously measure the pressure drop across Wood Handling Baghouse #1, Wood Handling Baghouse #2, and the Sifter Baghouse. The pressure drop monitoring devices shall be calibrated and maintained according to the manufacturers and O&M manual specifications. Documentation of the manufacturers recommended operating specifications shall remain onsite at all times, and shall be made available to DEQ representatives upon request.

**2.7 Baghouse Pressure Drop**

The pressure drop across Wood Handling Baghouse #1, Wood Handling Baghouse #2, and the Sifter Baghouse shall be maintained within manufacturer and O&M manual specifications. Documentation of the operating pressure drop specifications for each baghouse shall remain onsite at all times, and shall be made available to DEQ representatives upon request.

**2.8 Reasonable Control of Fugitive Emissions**

The permittee shall reasonably control fugitive emissions resulting from the operation of the Wood Handling System as required by IDAPA 58.01.01.651.

***Monitoring and Recordkeeping Requirements***

**2.9 Visible Emissions Monitoring**

Once per month, the permittee shall conduct a visible emissions inspection of the Wood Handling Baghouse #1 stack, the Wood Handling Baghouse #2 stack, and the Sifter Baghouse stack to demonstrate compliance with Permit Condition 2.5. If any visible emissions are present, the permittee shall take appropriate corrective action as expeditiously as practicable. If the corrective action does not eliminate the visible emissions, then a Method 9 visible emissions observation shall be conducted as soon as possible, but in no case later than 48 hours after the failure of the corrective action to remedy the visible emissions. A minimum of 30 observations shall be recorded when conducting the opacity test. The permittee shall maintain records of the results of each monthly visible emission inspection and each

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opacity test when conducted. The records shall include, at a minimum, the date and results of each inspection and test and a description of the following: the permittee's assessment of the conditions existing at the time visible emissions are present (if observed), any corrective action taken in response to the visible emissions, and the date corrective action was taken.

**2.10 Monitor Operating Parameters**

The permittee shall monitor and record the pressure drop across Wood Handling Baghouse #1, Wood Handling Baghouse #2, and the Sifter Baghouse once per week while the baghouses are operating. Records of this information shall remain onsite for the most recent two-year period, and shall be made available to DEQ representatives upon request.

**2.11 Operations and Maintenance Manual Requirements**

Within 60 days after startup, the permittee shall have developed an O&M manual for Wood Handling Baghouse #1, Wood Handling Baghouse #2, and the Sifter Baghouse, and the pressure drop monitoring devices required by Permit Condition 2.6 for each baghouse. The O & M manual shall describe the procedures that will be followed to comply with General Provision 2 and the manufacturer specifications for the baghouses. This manual shall remain onsite at all times and shall be made available to DEQ representatives upon request.

**2.12 Fugitive Dust Monitoring**

The permittee shall conduct monthly facility-wide inspection of potential sources of fugitive emissions resulting from the operation of the Wood Handling System, during daylight hours and under normal operating conditions to ensure that the methods used to reasonably control fugitive emissions are effective. If fugitive emissions are not being reasonably controlled, the permittee shall take corrective action as expeditiously as practicable. The permittee shall maintain records of the results of each monthly fugitive emission inspection. The records shall include, at a minimum, the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions were present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was taken.

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**3. WOOD DRYERS**

**3.1 Process Description**

Two natural gas-fired dryers are used to reduce the moisture content of the wood waste to meet product specifications. The moisture content of the wood waste entering the dryers is typically around 7 to 10% by weight. This material is dried to a moisture content of less than 2% by weight. Each wood dryer is rated at 5.0 MMBtu/hr when fired on natural gas. Once dried, the wood material is removed from the dryers by a blower system and is collected in two dedicated baghouses. The dried wood material drops out of the baghouses through rotary air locks and is pneumatically conveyed to dry wood storage bins sized for only one blending batch.

**3.2 Emissions Control Description**

The two wood dryers are emissions sources. The air pollutants emitted by the wood dryers are natural gas combustion products (i.e. PM, CO, NO<sub>x</sub>, SO<sub>2</sub>, and VOC's). All of these pollutants are vented to two dedicated baghouses; only particulate matter is controlled. The two baghouse stacks join together and exit the building as one stack. The combined baghouse stack or vent is the emissions points. Table 2.1 lists the emissions sources, the air pollution control devices, the unique air pollution control device unit identification numbers associated with the two wood dryers.

**Table 2.1 WOOD DRYER EMISSIONS SOURCES, EMISSIONS POINTS, AND UNIT ID**

Emissions Source	Control Device	Control Device Unit ID	Emissions Point ID
Wood dryer #1	Wood Dryer Baghouse #1	C15	C15
Wood dryer #2	Wood Dryer Baghouse #2	C16	C16

***Emissions Limits***

**3.3 Emissions Limits**

The PM<sub>10</sub> emissions from the wood dryer stacks shall not exceed any corresponding emissions rate limits listed in Table 2.2.

**Table 2.2 WOOD DRYER BAGHOUSE NOS. 1 AND 2  
EMISSIONS LIMITS\***

Source Description	PM <sub>10</sub>	
	lb/hr	T/yr
Wood Dryer Baghouse #1 (C15)	0.39	1.73
Wood Dryer Baghouse #2 (C16)	0.39	1.73

\*The permittee shall not exceed the T/yr listed based on any consecutive 12-month period.

**3.4 Grain Loading Limits**

The PM emissions from the Wood Dryer Baghouse #1 stack and the Wood Dryer Baghouse #2 stack shall not exceed 0.005 grains per dry standard cubic foot (gr/dscf).

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**3.5 Visible Emissions Limit**

Emissions from the Wood Dryer Baghouse #1 stack and the Wood Dryer Baghouse #2 stack, vent, or other functionally equivalent opening associated with the Wood Dryers, 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***

**3.6 Pressure Drop Monitoring Device**

The permittee shall install, calibrate, operate, and maintain pressure drop monitoring devices to continuously measure the pressure drop across Wood Dryer Baghouse #1 and Wood Dryer Baghouse #2. The pressure drop monitoring devices shall be calibrated and maintained according to the manufacturers and O&M manual specifications. Documentation of the manufacturers recommended operating specifications shall remain onsite at all times, and shall be made available to DEQ representatives upon request.

**3.7 Baghouse Pressure Drop**

The pressure drop across Wood Dryer Baghouse #1 and Wood Dryer Baghouse #2 shall be maintained within manufacturer and O&M manual specifications. Documentation of the operating pressure drop specifications for each baghouse shall remain onsite at all times, and shall be made available to DEQ representatives upon request.

***Monitoring and Recordkeeping Requirements***

**3.8 Visible Emissions Monitoring**

Once per month, the permittee shall conduct a visible emissions inspection of the Wood Dryer Baghouse #1 stack and the Wood Dryer Baghouse #2 stack to demonstrate compliance with Permit Condition 3.5. If any visible emissions are present, the permittee shall take appropriate corrective action as expeditiously as practicable. If the corrective action does not eliminate the visible emissions, then a Method 9 visible emissions observation shall be conducted as soon as possible, but in no case later than 48 hours after the failure of the corrective action to remedy the visible emissions. A minimum of 30 observations shall be recorded when conducting the opacity test. The permittee shall maintain records of the results of each monthly visible emission inspection and each opacity test when conducted. The records shall include, at a minimum, the date and results of each inspection and test and a description of the following: the permittee's assessment of the conditions existing at the time visible emissions are present (if observed), any corrective action taken in response to the visible emissions, and the date corrective action was taken.

**3.9 Monitor Operating Parameters**

The permittee shall monitor and record the pressure drop across Wood Dryer Baghouse #1 and Wood Dryer Baghouse #2 once per week while the baghouses are operating. Records of this information shall remain onsite for the most recent two-year period, and shall be made available to DEQ representatives upon request.

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**3.10 Operations and Maintenance Manual Requirements**

Within 60 days after startup, the permittee shall have developed an O&M manual for Wood Dryer Baghouse #1, Wood Dryer Baghouse #2, and the pressure drop monitoring devices required by Permit Condition 3.6 for each baghouse. The O & M manual shall describe the procedures that will be followed to comply with General Provision 2 and the manufacturer specifications for the baghouses. This manual shall remain onsite at all times and shall be made available to DEQ representatives upon request.

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**4. FINISHING LINE SYSTEM**

**4.1 Process Description**

Finished boards from the extruders are conveyed directly into three combination moulders, then embossed. There are three in-line systems, each consisting of a heavy duty, six spindle moulder configured with a bottom, top, bottom, top, side, side, configuration and a minimum of 25 hp motors on the horizontal spindles. These machines feed at a rate of up to 80 feet per minute and are connected to a heated roll embossing machine. The moulders are used to cut a variety of openings or channels in the finished boards to meet varying customer demands. After the boards exit the moulder, they right angle transfer and are automatically stacked. Once a unit is completely stacked, it is indexed out on a roll case for final banding and wrapping. Finished goods are stored in existing shed structures.

**4.2 Emissions Control Description**

The moulders are the emissions sources for the two new finishing lines. Particulate matter emissions from each emissions source are vented to three separate baghouses. The baghouse stacks or vents are the emissions points. Table 4.1 lists the proposed emissions sources, the emissions points, and the unique emissions point unit identification numbers associated with new finishing line system.

**Table 4.1 FINISHING LINE SYSTEM EMISSIONS SOURCES, EMISSIONS POINTS, AND UNIT ID**

Emissions Source	Emissions Point	Emission Point Unit ID
Finishing Line #1	Finishing Line Baghouse #1	C12
Finishing Line #2	Finishing Line Baghouse #2	C13
Finishing Line #4	Finishing Line Baghouse #4	C21

***Emissions Limits***

**4.3 Emissions Limits**

The PM<sub>10</sub> emissions from the Finishing Line Baghouse #1 stack, Finishing Line Baghouse #2 stack, and Finishing Line Baghouse #4 stack shall not exceed any corresponding emissions rate limits listed in Table 4.2.

**Table 4.2 FINISHING LINE BAGHOUSE NOS. 1, 2, AND 4 EMISSIONS RATE LIMITS**

Source Description	PM <sub>10</sub>	
	lb/hr	T/yr
Finishing Line Baghouse #1 (C12)	0.26	1.13
Finishing Line Baghouse #2 (C13)	0.27	1.19
Finishing Line Baghouse #4 (C21)	0.25	1.10

\*The permittee shall not exceed the T/yr listed based on any consecutive 12-month period.

**4.4 Grain Loading Limits**

The PM emissions from the Finishing Line Baghouse #1 stack, Finishing Line Baghouse #2 stack, and Finishing Line Baghouse #4 stack shall not exceed 0.005 grains per dry standard cubic foot (gr/dscf).

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**4.5 Visible Emissions Limit**

Emissions from the Finishing Line Baghouse #1 stack, Finishing Line Baghouse #2 stack, and Finishing Line Baghouse #4 stack, vent, or other functionally equivalent opening associated with the Finishing Line System, 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***

**4.6 Pressure Drop Monitoring Device**

The permittee shall install, calibrate, operate, and maintain, pressure drop monitoring devices to continuously measure the pressure drop across Finishing Line Baghouse #1, Finishing Line Baghouse #2, and Finishing Line Baghouse #4. The pressure drop monitoring devices shall be calibrated and maintained according to the manufacturers and O&M manual specifications. Documentation of the manufacturers recommended operating specifications shall remain onsite at all times, and shall be made available to DEQ representatives upon request.

**4.7 Baghouse Pressure Drop**

The pressure drop across Finishing Line Baghouse #1, Finishing Line Baghouse #2, and Finishing Line Baghouse #4 shall be maintained within manufacturer and O&M manual specifications. Documentation of the operating pressure drop specifications for each baghouse shall remain onsite at all times, and shall be made available to DEQ representatives upon request.

**4.8 Reasonable Control of Fugitive Emissions**

The permittee shall reasonably control fugitive emissions resulting from the operation of the Finishing Line System as required by IDAPA 58.01.01.651.

***Monitoring and Recordkeeping Requirements***

**4.9 Visible Emissions Monitoring**

Once per month, the permittee shall conduct a visible emissions inspection of the Finishing Line Baghouse #1 stack, Finishing Line Baghouse #2 stack, and Finishing Line Baghouse #4 stack to demonstrate compliance with Permit Condition 4.5. If any visible emissions are present, the permittee shall take appropriate corrective action as expeditiously as practicable. If the corrective action does not eliminate the visible emissions, then a Method 9 visible emissions observation shall be conducted as soon as possible, but in no case later than 48 hours after the failure of the corrective action to remedy the visible emissions. A minimum of 30 observations shall be recorded when conducting the opacity test. The permittee shall maintain records of the results of each monthly visible emission inspection and each opacity test when conducted. The records shall include, at a minimum, the date and results of each inspection and test and a description of the following: the permittee's assessment of the conditions existing at the time visible emissions are present (if observed), any corrective action taken in response to the visible emissions, and the date corrective action was taken.

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<b>Location</b>	Meridian, Idaho			

**4.10 Monitor Operating Parameters**

The permittee shall monitor and record the pressure drop across Finishing Line Baghouse #1, Finishing Line Baghouse #2, and Finishing Line Baghouse #4 once per week while the baghouses are operating. Records of this information shall remain onsite for the most recent two-year period, and shall be made available to DEQ representatives upon request.

**4.11 Operations and Maintenance Manual Requirements**

Within 60 days after startup, the permittee shall have developed an O&M manual for Finishing Line Baghouse #1, Finishing Line Baghouse #2, and Finishing Line Baghouse #4, and the pressure drop monitoring devices required by Permit Condition 4.6 for each baghouse. The O & M manual shall describe the procedures that will be followed to comply with General Provision 2 and the manufacturer specifications for the baghouses. This manual shall remain onsite at all times and shall be made available to DEQ representatives upon request.

**4.12 Fugitive Dust Monitoring**

The permittee shall conduct monthly facility-wide inspection of potential sources of fugitive emissions resulting from the operation of the Finishing Line System, during daylight hours and under normal operating conditions to ensure that the methods used to reasonably control fugitive emissions are effective. If fugitive emissions are not being reasonably controlled, the permittee shall take corrective action as expeditiously as practicable. The permittee shall maintain records of the results of each monthly fugitive emission inspection. The records shall include, at a minimum, the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions were present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was taken.

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<b>Location</b>	Meridian, Idaho			

**5. HDPE STORAGE SILO AND DRY WOOD DAY BINS**

**5.1 Process Description**

The HDPE storage silo is used to store HDPE resin. The HDPE resin is pneumatically transferred from a delivery truck to the storage silo. Particulate matter emissions resulting from loading will be controlled by a bin vent. The bin vent is a passive air pollution control device.

The dry wood day bins store processed dry wood to be used in the extrusion process. Particulate matter emissions resulting from loading will be controlled by a bin vent. The bin vent is a passive air pollution control device.

**5.2 Emissions Control Description**

The HDPE storage silo is the emissions source, and the existing bin vent is the emissions point. Dry Wood Day Bin #1 and Dry Wood Day Bin #2 are the emissions sources, and the bin vents are the emissions points. Table 5.1 lists the emissions source, the emissions point, and the unique emissions point unit identification number associated with the HDPE Storage Silo and the dry wood day bins.

**Table 5.1 HDPE STORAGE SILO EMISSIONS SOURCES, EMISSIONS POINTS, AND UNIT ID**

<b>Emissions Source</b>	<b>Emissions Point</b>	<b>Emission Point Unit ID</b>
HDPE storage silo #4	HDPE Silo Bin Vent #1	C7
Dry Wood Day Bin #1	Dry Wood Day Bin vent #1	C23
Dry Wood Day Bin #2	Dry Wood Day Bin vent #2	C24

***Emissions Limits***

**5.3 Emissions Limits**

The PM<sub>10</sub> emissions from the HDPE Silo Bin Vent #1 stack, Dry Wood Day Bin vent #1 stack, and Dry Wood Day Bin vent #2 stack shall not exceed any corresponding emissions rate limits listed in Table 5.2.

**Table 5.2 HDPE SILO BIN VENT #1 AND DRY WOOD DAY BIN VENT NOS. 1 AND 2 EMISSIONS RATE LIMITS**

<b>Source Description</b>	<b>PM<sub>10</sub></b>	
	<b>lb/hr</b>	<b>T/yr</b>
HDPE Silo Bin Vent #1 (C7)	0.034	0.150
Dry Wood Day Bin vent #1 (C23)	0.020	0.086
Dry Wood Day Bin vent #2 (C24)	0.020	0.086

\*The permittee shall not exceed the T/yr listed based on any consecutive 12-month period.

**5.4 Grain Loading Limits**

The PM emissions from the HDPE Silo Bin Vent #1 stack, Dry Wood Day Bin vent #1 stack, and Dry Wood Day Bin vent #2 stack shall not exceed 0.0025 grains per dry standard cubic foot (gr/dscf).

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**5.5 Visible Emissions Limit**

Emissions from the HDPE Silo Bin Vent #1 stack, Dry Wood Day Bin vent #1 stack, and Dry Wood Day Bin vent #2 stack, vent, or other functionally equivalent opening associated with the HDPE Storage Silo and Dry Wood Day Bin #1 and Dry Wood Day Bin #2, 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.

***Monitoring and Recordkeeping Requirements***

**5.6 Visible Emissions Monitoring**

Once per month, the permittee shall conduct a visible emissions inspection of the HDPE Silo Bin Vent #1 stack, Dry Wood Day Bin vent #1 stack, and Dry Wood Day Bin vent #2 stack to demonstrate compliance with Permit Condition 5.5. If any visible emissions are present, the permittee shall take appropriate corrective action as expeditiously as practicable. If the corrective action does not eliminate the visible emissions, then a Method 9 visible emissions observation shall be conducted as soon as possible, but in no case later than 48 hours after the failure of the corrective action to remedy the visible emissions. A minimum of 30 observations shall be recorded when conducting the opacity test. The permittee shall maintain records of the results of each monthly visible emission inspection and each opacity test when conducted. The records shall include, at a minimum, the date and results of each inspection and test and a description of the following: the permittee's assessment of the conditions existing at the time visible emissions are present (if observed), any corrective action taken in response to the visible emissions, and the date corrective action was taken.

**5.7 Operations and Maintenance Manual Requirements**

Within 60 days after startup, the permittee shall have developed an O&M manual for the HDPE Silo Bin Vent #1, Dry Wood Day Bin vent #1, and Dry Wood Day Bin vent #2 which describes the procedures that will be followed to comply with General Provision 2 and the manufacturer specifications for the bin vent. This manual shall remain onsite at all times and shall be made available to DEQ representatives upon request.

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**6. SUMMARY OF EMISSIONS LIMITS**

Table 6.1 provides a summary of all emissions limits required by this permit:

**Table 6.1 HOURLY AND ANNUAL PM<sub>10</sub> EMISSIONS RATE LIMITS  
LP BUILDING SPECIALTY PRODUCTS GROUP, MERIDIAN, IDAHO**

<b>Emissions Point</b>	<b>Hourly PM<sub>10</sub> Emissions (lb/hr)</b>	<b>Annual PM<sub>10</sub> Emissions (T/yr)<sup>a</sup></b>
Finishing Line Baghouse #1 stack (C12)	0.26	1.13
Finishing Line Baghouse #2 stack (C13)	0.27	1.19
Finishing Line Baghouse #4 stack (C21)	0.25	1.10
Wood Dryer Baghouse #1 stack (C15)	0.39	1.73
Wood Dryer Baghouse #2 stack (C16)	0.39	1.73
Wood Handling Baghouse #1 stack (C17)	0.87	3.80
Wood Handling Baghouse #2 Stack (C18)	0.39	1.73
Sifter Baghouse Stack (C22)	0.48	2.09
HDPE Silo Bin Vent #1 (C7)	0.034	0.150
Dry Wood Day Bin vent #1 (C23)	0.020	0.086
Dry Wood Day Bin vent #2 (C24)	0.020	0.086
<b>Total PM<sub>10</sub> Emissions</b>	<b>3.38</b>	<b>14.81</b>

a. Assumes 8,760 hr/yr operations.

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**7. 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., and the permittee is subject to penalties for each day of noncompliance.
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 five 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. If compliance testing is specified, the permittee must schedule and perform such testing within 60 days after achieving the maximum production rate, and not later than 180 days after initial startup. This requirement shall be construed as an ongoing requirement. The permittee shall not operate the source without testing within 180 days. If testing is not conducted within 180 days after initial startup, then each day of operation thereafter without the required compliance test constitutes a violation. 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 DEQ. Testing procedures and specific time limitations may be modified by DEQ by prior negotiation if conditions warrant adjustment. DEQ 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 DEQ upon request.

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7. 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.
  
8. 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.
  
9. The permittee shall comply with IDAPA 58.01.01.550-562, *Air Pollution Emergency Rule*.