

**LANE REGIONAL AIR PROTECTION AGENCY (LRAPA)
TITLE V OPERATING PERMIT**

Lane Regional Air Protection Agency
1010 Main Street, Springfield, Oregon 97477
Telephone: (541) 736-1056 Toll Free: (877) 285-7272
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Issued in accordance with the provisions of ORS 468A.040
and based on the land use compatibility findings included in the permit record.

ISSUED TO:

SierraPine, Springfield Division
800 48th Street
Springfield, Oregon 97478

INFORMATION RELIED UPON:

Renewal Application: January 30, 2006
Minor Modification
Application: September 2, 2005

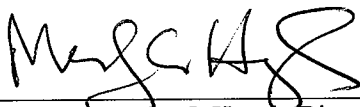
PLANT SITE LOCATION:

800 48th Street
Springfield, Oregon 97478

LAND USE COMPATIBILITY STATEMENT:

From: City of Springfield
Dated: March 19, 1997

ISSUED BY LANE REGIONAL AIR PROTECTION AGENCY



Meryn L. Hough, Director

DEC 28 2010
Effective Date

NATURE OF BUSINESS:

Primary SIC: 2493 -- Particleboard Manufacturing, 10,000 Or More Ft²/Hr, 3/4" Basis Finished Product

RESPONSIBLE OFFICIAL:

Title: General Manager
Phone: (541) 736-5245

FACILITY CONTACT PERSON:

Name: Ed Durdyk
Title: Technical Director
Phone: (541) 736-5243

**ADDENDUM NO. 1
(Administrative Amendment)**

In accordance with OAR 340-218-0150(1)(b), Title V Operating Permit No. 208866 is hereby amended to change the "Facility Contact Person:" on Page 1 to read as follows:

"Name: Ed Durdyk
Title: Technical Director
Phone: (541) 736-5243"

The name of the responsible official has been removed but the title of "General Manager" has been retained so that anyone at the facility acting in the capacity of the General Manager may sign documents as a responsible official.

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Fax: (541) 726-1205 Web Page: www.lrapa.org

Issued in accordance with the provisions of ORS 468A.040
and based on the land use compatibility findings included in the permit record.

ISSUED TO:

SierraPine, Springfield Division

800 48th Street
Springfield, Oregon 97478

INFORMATION RELIED UPON:

Minor Modification Application: November 14,
2007
Significant Modification
Application: September 24, 2007

PLANT SITE LOCATION:

800 48th Street
Springfield, Oregon 97478

LAND USE COMPATIBILITY STATEMENT:

From: City of Springfield
Dated: March 19, 1997

ISSUED BY LANE REGIONAL AIR PROTECTION AGENCY

Merlyn L.Hough, Director

September 30, 2008

Effective Date

NATURE OF BUSINESS:

Primary SIC: 2493 -- Particleboard Manufacturing, 10,000 Or More Ft²/Hr, 3/4" Basis Finished Product

RESPONSIBLE OFFICIAL:

Name:
Title: General Manager
Phone: (541) 736-5245

FACILITY CONTACT PERSON:

Name: Amy Peccia
Title: Environmental Manager
Phone: (541) 736-5424

TABLE OF CONTENTS

LIST OF ABBREVIATIONS USED IN THIS PERMIT3
PERMITTED ACTIVITIES.....5
EMISSION UNIT (EU) AND POLLUTION CONTROL DEVICE (PCD) IDENTIFICATION5
EMISSION LIMITS AND STANDARDS7
PLANT SITE EMISSION LIMITS21
GENERAL TESTING REQUIREMENTS23
MONITORING REQUIREMENTS23
RECORDKEEPING REQUIREMENTS40
REPORTING REQUIREMENTS42
GENERAL CONDITIONS45

LIST OF ABBREVIATIONS USED IN THIS PERMIT

ACDP	Air Contaminant Discharge Permit
ADS	Air Density Separator
AQRV	Air Quality Related Values
ASTM	American Society of Testing and Materials
BACT	Best Available Control Technology
BD	Bulk Density (Dry)
BDT	Bone dry ton
CFR	Code of Federal Regulations
CO	Carbon Monoxide
DEQ	Oregon Department of Environmental Quality
dscf	Dry standard cubic foot
EAL	Emission Action Level
EF	Emission Factor
EFB	Electrified Filter Bed
EPA	U.S. Environmental Protection Agency
ESP	Electrostatic Precipitator
EU	Emissions Unit
FLM	Federal Land Manager (U.S. Forest Service or National Parks Service)
FCAA	Federal Clean Air Act
gr/dscf	Grain per dry standard cubic foot
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040
HCHO	Formaldehyde
HF	Hogged Fuel
I&M	Inspection and Maintenance
LPG	Liquefied Petroleum Gas
LRAPA	Lane Regional Air Protection Agency
MACT	Maximum Achievable Control Technology
MB	Material balance
MC	Moisture content
MMBtu	Million British thermal units
MSDS	Material safety data sheet
MSF	Thousand square feet
MSF(3/4)	Thousand square feet particleboard on 3/4 finished basis
NAAQS	National Ambient Air Quality Standard
NCASI	National Council for Air & Stream Improvement
NESHAP	National Emission Standard for Hazardous Air Pollutants
NG	Natural Gas
NON	Notice of Non-compliance
NO _x	Oxides of nitrogen
NSR	New Source Review
O ₂	Oxygen
OAR	Oregon Administrative Rules
ODEQ	Oregon Department of Environmental Quality
O&M	Operation & Maintenance
ORS	Oregon Revised Statutes
PAL	Parameter Action Level
Pb	Lead
PCD	Pollution Control Device
PCWP	Plywood and Composite Wood Products
PFO	Particle fall out
PM	Particulate matter
PM ₁₀	Particulate matter less than or equal to 10 microns in size
ppm	Parts per million
ppmvd	Parts per million, by volume, dry
PSD	Prevention of Significant Deterioration

PSEL	Plant Site Emission Limit
RCDME	Routine Control Device Maintenance Exemption
RMP	Risk Management Plan
SAAQIL	Significant Ambient Air Quality Impact Level
scf	Standard cubic foot
SER	Significant Emission Rate
SERP	Source Emission Reduction Plan
SFO	Stipulated Final Order
SIC	Standard Industry Code
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide
ST	Source Test
THC	Total Hydrocarbons
TOPS	Topwood Optimization Program Springfield
VE	Visible Emissions
VOC	Volatile Organic Compound
WF	Waste Factor

PERMITTED ACTIVITIES

1. Until such time as this permit expires or is modified or revoked, the permittee is allowed to discharge air contaminants from those processes and activities directly related or associated with air contaminant source(s) in accordance with the requirements, limitations, and conditions of this permit. [OAR 340-218-0010(2), 340-218-0120(2), and LRAPA 34-180]
2. All conditions in this permit are federally enforceable and LRAPA enforceable except as noted below:
 - 2.a. Conditions 7, 8, 9, 10, and G21 are enforceable by LRAPA only. [OAR 340-218-0060 and LRAPA 34-180]
 - 2.b. Conditions 14.a, 20, 21.a, 21.b, and 21.c, are currently enforceable by LRAPA only but will become federally enforceable upon EPA approval of proposed revisions to the Oregon State Implementation Plan (SIP).

EMISSION UNIT (EU) AND POLLUTION CONTROL DEVICE (PCD) IDENTIFICATION

3. The emissions units regulated by this permit are listed below. [OAR 340-218-0040(3)]

Emissions Unit	EU ID	Pollution Control Device/Practice	PCD ID
Boiler-1	BLR-1	None	None
MEC 1 Dryer	MEC-1	Wet ESP	PB-27
MEC 2 Dryer	MEC-2	Baghouse	PB-26
MEC 3 Pre-dryer	MEC-3	Wet ESP and Biofiltration System	WESP-3 and BF-1
MEC 4 Pre-dryer	MEC-4	Wet ESP and Biofiltration System	WESP-4 and BF-1
Press-1 with 3 vents (PB-44.2, PB-44.3, PB-44.4) – INACTIVE	Press-1	None	NA
Press-2 with 2 press vents controlled (PB-45.2, PB-45.3) and 2 board cooler vents uncontrolled (PB-45.5, PB-45.6)	Press-2	Baghouse and Biofiltration System	PB-45.2 and BF-1
		Baghouse and Biofiltration System	PB-45.3 and BF-1
		None	PB-45.5
		None	PB-45.6
Particleboard Resin Handling/Storage	RHA-1	None	-----

EMISSION LIMITS AND STANDARDS [OAR 340-218-0050(1) and 218-0050(3)]

The following tables contain summaries of emissions limits and standards, other than the PSEL, along with monitoring methods for the emissions units to which these requirements apply.

Facility-wide Emissions Limits And Standards Unless Otherwise Specified In This Permit

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Requirements	
				Method	Condition Number
34-060(5)	4.a	Particleboard Production	180,000 MSF - 3/4" finished basis	Recordkeeping	32
48-015(2) & 32-060 (9-14-82 version approved in SIP)	5	Fugitive Dust	Minimization Strategies	I&M, Recordkeeping	33, 34
33-060(4)(A-C)	6	Fugitive Dust	Minimization Strategies	I&M, Recordkeeping	33, 34
49-010(1)	8, 9	Odors & Other Emissions	Prohibits Causing Public Nuisance/Injury	Recordkeeping	34
32-055	7	PM >250 microns	No Fallout On Property Of Another	Recordkeeping	34
33-030	10	Concealment & masking	Prohibited	Recordkeeping	34
ACDP SERP p.4 & 51-015	11	SERP	Reduce Emissions	Recordkeeping	35
40 CFR Part 68	12	RMP	See the rule	Recordkeeping	12

4. The permittee shall not produce in any one (1) calendar year more than the productions listed for each of the following facilities. [LRAPA 34-060(5)]
 - 4.a. Particleboard Facility: 180,000 MSF 3/4" finished

5. The permittee shall not allow any materials to be handled, transported, or stored; or a building, its appurtenances or road(s) to be used, constructed, altered, repaired or demolished; or any equipment to be operated, without taking reasonable precautions to prevent particulate matter from becoming airborne. The permittee shall minimize fugitive dust by performing the following activities: [LRAPA 48-015(2) and LRAPA 32-060 (9-14-82 version approved in SIP)]
 - 5.a. The permittee shall remove all spillage caused by conveyor and/or cyclone plug ups as soon as reasonably possible.
 - 5.b. At least once per week, excluding periods of precipitation, the permittee shall clean all accessible paved areas with a street sweeper, vacuum truck, or other mechanical means.

- 5.c. At least once per week, excluding periods of precipitation, the permittee shall inspect all production and operations buildings roofs for material spillage and clean as necessary.
 - 5.d. At least once per quarter, the permittee shall inspect and maintain all doors, silo hatches, and diverter systems of all operating equipment such that they are in proper operating condition.
 - 5.e. At least once per quarter, the permittee shall inspect and repair, if necessary, all outside material transfer points, conveyor belts, drag chains, drop points, and screws.
6. The permittee shall perform the following activities at the particleboard facility to minimize fugitive dust emissions and prevent windblown particulate from depositing upon property not owned by the permittee: [LRAPA 33-060(4)(A-C)]
- 6.a. At least once per week, the permittee shall inspect and maintain all storage piles to ensure that material is confined to the designated pile area and the size of the pile does not exceed the dimensions used in setting the short term PSEL, and/or implement Alternate Control Plans for unenclosed storage piles. The alternate control plan for temporary grinding of green shavings includes ceasing grinding and watering or covering of the affected storage pile if either results in visible emissions. The green shavings grinding operation shall be observed each day that it is in operation to determine if any visible emissions require the alternate control plan to be implemented. A log of the observations of visible emissions from the grinding operation shall be maintained on-site, readily accessible to the grinder operator, and made available to LRAPA representatives on request. [LRAPA 33-060(4)(C)]
 - 6.b. All dry material truck dumps shall be enclosed or operated pursuant to an LRAPA-approved *Alternate Control Plan*. The enclosure shall be inspected at least once per week.
7. The permittee shall not cause or allow the emission of particulate matter which is greater than 250 microns in size if such particulate matter does or will deposit upon the real property of another person. [LRAPA 32-055] This condition is only enforceable by LRAPA.
8. The permittee shall not discharge from any source whatsoever such quantities of air contaminants which cause injury, or damage to any persons, the public, business or property; such determination to be made by LRAPA. [LRAPA 32-090] This condition is only enforceable by LRAPA.
9. The permittee shall not cause or allow air contaminants from any source subject to regulation by LRAPA to cause a nuisance. [LRAPA 49-010(1)] This condition is only enforceable by LRAPA.
- 9.a. The permittee shall record all odor complaints received and notify LRAPA within 2 working days of receipt of such complaint.
10. The permittee shall not willfully cause or permit the installation or use of any device or use of any means which, without resulting in a reduction in the total amount of air contaminants emitted, conceals emission of air contaminant which would otherwise violate these rules. [LRAPA 33-030] This condition is only enforceable by LRAPA.
11. In the event an Air Pollution Alert, Warning, or Emergency Episode is declared in the Eugene-Springfield area by LRAPA, the permittee shall take the action appropriate to the episode condition as required by LRAPA 51-015. The permittee shall take action when the permittee first becomes aware of such declaration whether through news media, direct contact with LRAPA, or from other sources.

The permittee shall take the actions listed below when an air pollution episode is declared:

- 11.a. ALERT: Reduce use of the particleboard dryers to 50% or less of normal operation.

11.b. WARNING: All processes other than the particleboard dryers and processes controlled by baghouses: reduce emissions by 50%. Discontinue use of dryers.

11.c. EMERGENCY: Cease operation of all air contaminant processes.

During an applicable Air Pollution Episode, this *Source Emission Reduction Plan* (SERP) shall be available on the source premises for inspection by LRAPA personnel. [12/22/87 ACDP Emission Reduction Plan page 4 and 51-015]

12. The permittee shall comply with the applicable requirements of 40 CFR Part 68, including all monitoring, recordkeeping, and reporting requirements.

Emissions Units - Specific Emissions Limits and Standards

Emissions Unit ID	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Point	Monitoring Requirements	
						Method	Condition Number
BLR-1	32-030	13	PM	0.1 gr/dscf @ 12% CO2	Boiler Stack	Visible Emissions (VE) Periodic Monitoring	36
	32-010 (1)(B) 32-010.3	14	VE	20% opacity, 3 minutes in 60 minutes	Boiler Stack	(VE) Periodic Monitoring	36
MEC-1	32-010(1)(B)	14	Visible Emissions (VE)	20%, 3 minutes in 60 minutes	Wet ESP PB-27	VE, Periodic Monitoring	36
	32-015(1)	15	PM	0.2 gr/dscf	Wet ESP PB-27	EF, ST, Record-keeping	37
	34-060(5)	18	Fuel Use	Use only SD, NG, and propane	MEC-1	Record-keeping	41
	32-007 and 40 CFR Part 64 Compliance Assurance Monitoring (CAM)	20	O&M	Proper operation & maintenance	MEC-1	Periodic Monitoring, Record-keeping	42
	40 CFR Subpart DDDD National Emissions Standards for Hazardous Air Pollutants (NESHAP): Plywood & Composite Wood Products (PCWP)	22	HAPs/ Temp & Moisture	Inlet <or= 600°F & <or=30% moisture content (by weight dry basis)	MEC-1	Monitoring and Recordkeeping as per 63.2269(a), (b), and (c) and 63.2270	22
MEC-2	32-010(1)(B)	14	Visible Emissions	20%, 3 minutes in 60 minutes	Baghouse PB-26	VE., Periodic Monitoring	36
	32-015(1)	15	PM	0.2 gr/dscf	Baghouse PB-26	EF, ST, Record-keeping	37

Emissions Unit ID	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Point	Monitoring Requirements	
						Method	Condition Number
	34-060(5)	18	Fuel Use	Use only SD, NG, and propane	MEC-2	Record-keeping	41
	32-007 and 40 CFR Part 64 CAM	20	O&M	Proper operation & maintenance	MEC-2	Periodic Monitoring, Record-keeping	42
	40 CFR 63 Subpart DDDD NESHAP: PCWP	22	HAPs/ Temp & Moisture	Inlet <or= 600°F & <or=30% moisture content (by weight dry basis)	MEC-2	Monitoring and Recordkeeping as per 63.2269(a), (b), and (c) and 63.2270	22
MEC-3	32-010(1)(B)	14	Visible Emissions	20%, 3 minutes in 60 minutes	BF-1	VE, Periodic Monitoring	36
	32-015(2)	16	PM	0.1 gr/dscf	BF-1	EF, ST, Record-keeping	37
	34-060(5)	18	Fuel Use	Use only SD, NG, and propane	MEC-3	Record-keeping	41
	32-007 and 40 CFR Part 64 CAM	20	O&M	Proper operation & maintenance	MEC-3	Periodic Monitoring Record-keeping	42
	40 CFR 63 Subpart DDDD NESHAP: PCWP	23	HAPs	PCWP MACT	BF-1	Periodic Monitoring Record-keeping	23
MEC-4	32-010(1)(B)	14	Visible Emissions	20%, 3 minutes in 60 minutes	BF-1	VE, Periodic Monitoring	36
	32-015(2)	16	PM	0.1 gr/dscf	BF-1	EF, ST, Record-keeping	37
	34-060(5)	18	Fuel Use	Use only SD, NG, and propane	MEC-4	Record-keeping	41
	32-007 and 40 CFR Part 60 CAM	20	O&M	Proper operation & maintenance	MEC-4	Periodic Monitoring, Record-keeping	42

Emissions Unit ID	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Point	Monitoring Requirements	
						Method	Condition Number
	40 CFR 63 Subpart DDDD NESHAP: PCWP	23	HAPs	PCWP MACT	BF-1	Periodic Monitoring Record-keeping	23
Press-1	32-010(1)(B)	14	Visible Emissions	20%, 3 minutes in 60 minutes	PB-44.2, PB-44.3, PB-44.4	VE, Periodic Monitoring	36
	32-015(1)	15	PM	0.2 gr/dscf	PB-44.2, PB-44.3, PB-44.4	EF, ST, Record-keeping	37
Press-2	32-010(1)(B)	14	Visible Emissions	20%, 3 minutes in 60 minutes	BF-1 for PB-45.2 and PB-45.3,PB-45.5, PB-45.6	VE, Periodic Monitoring	36
	32-015(1)	15	PM	0.2 gr/dscf	BF-1 for PB-45.2and PB-45.3,PB-45.5, PB-45.6	EF, ST, Record-keeping	37
	40 CFR 63 Subpart DDDD NESHAP: PCWP	23	HAPs	PCWP MACT	BF-1 for press vents: PB-45.2and PB-45.3	Periodic Monitoring Record-keeping	23
AIR-1	32-010(1)(B) and 40 CFR Part 64 CAM	14	Visible Emissions	20%, 3 minutes in 60 minutes	PB-1, PB-3, PB-4, PB-5, PB-6, PB-7 - 8	VE, Periodic Monitoring	36
	32-015(2)	16	PM	0.1 gr/dscf	PB-1, PB-3, PB-4, PB-5, PB-6, PB-7 - 8	EF, Record-keeping	38, 44
	32-060	17	PM	6.24 lbs/day 1.1 ton/yr	PB-3, PB-4, PB-5,	Record-keeping	45
AIR-2	32-010(1)(B) and 40 CFR Part 64 CAM	14	Visible Emissions	20%, 3 minutes in 60 minutes	PB-31, PB-38	VE, Periodic Monitoring	36

Emissions Unit ID	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Point	Monitoring Requirements	
						Method	Condition Number
	32-015(2)	16	PM	0.1 gr/dscf	PB-31, PB-38	EF, Record-keeping	38, 44
AIR-3	32-010(1)(B) and 40 CFR Part 64 CAM	14	Visible Emissions	20%, 3 minutes in 60 minutes	K-1, K-2, K-3, PB-42, K-4, PW-10A	VE, Periodic Monitoring	36
	32-015(2)	16	PM	0.1 gr/dscf	K-1, K-2, K-3, PB-42, K-4, PW-10A	EF, Record-keeping	38, 44
	32-060	17	PM	6.24 lbs/day, 1.1 ton/yr	K-4, PW-10A	Record-keeping	45
AIR-4	32-010(1)(B) and 40 CFR Part 64 CAM	14	Visible Emissions	20%, 3 minutes in 60 minutes	PB-50, PB-51, PB-52, PB-53, PB-54, PB-55, PB-56, PB-57, PB-58, PB-59, PB-60, PB-61, PB-62	VE, Periodic Monitoring	36
	32-015(2)	16	PM	0.1 gr/dscf	PB-50, PB-51, PB-52, PB-53, PB-54, PB-55, PB-56, PB-57, PB-58, PB-59, PB-60, PB-61, PB-62	EF, Record-keeping	38, 44
RD-1, MH-1	32-010(1)(B)	14	Visible Emissions	20%, 3 minutes in 60 minutes	RD-1, MH-1	VE, I & M	36
	48-015(2)	5	PM	Reasonable precautions	RD-1, MH-1	EF, I&M, Record-keeping	33
BPR-1	33-060(4)(D)	19	PM	3.0 lb/MSF-3/4" finish product, 24 hour average	See individual emissions units	ST/Process Periodic Monitoring	45

13. The permittee shall not cause or allow the emission of particulate matter in excess of 0.1 grain per standard cubic foot, corrected to 12% CO₂ or 50% excess air, from Emissions Unit BLR-1. [LRAPA 32-030]
14. The permittee shall not cause or allow the emissions of any air contaminant into the atmosphere for a period or periods aggregating more than three (3) minutes in any one (1) hour which is equal to or greater than 20%

- opacity, excluding uncombined water, from emissions units BLR-1, MEC-1, MEC-2, MEC-3, MEC-4, Press-1, Press-2, AIR-1, AIR-2, AIR-3, AIR-4, RD-1, and MH-1. [LRAPA 32-010(1)(B)] Visible emissions shall be measured in accordance with Condition 36.
- 14.a. The permittee shall take corrective action any time MH-1, or RD-1 visible emissions, as measured in accordance with Condition 36, exceed an emission action level of 5% (18 secs) of the opacity survey time. [LRAPA 32-007(2)] This condition is currently enforceable by LRAPA only but will become federally enforceable upon EPA approval of the SIP.
- 14.b. The exceedance of a visible emissions action level shall not by itself be considered a violation of an emission limit in this permit.
15. The permittee shall not cause or allow the emissions of particulate matter in excess of 0.2 gr/dscf from emissions units MEC-1, MEC-2, Press-1, and Press-2. [LRAPA 32-015(1)] Particulate matter emissions shall be measured in accordance with Condition 37.
16. The permittee shall not cause or allow the emissions of particulate matter in excess of 0.1 gr/dscf from emissions units MEC-3, MEC-4, AIR-1, AIR-2, AIR-3, and AIR-4. [LRAPA 32-015(2)] Particulate matter emissions shall be measured in accordance with Condition 38, except for MEC-3 and MEC-4 which shall be measured in accordance with Condition 37.
17. The permittee shall not allow each affected source (defined below) to emit particulate matter in excess of one (1) metric ton/year (1.10 tons PM/year). Affected sources are dry material air conveyance systems within the Eugene/Springfield PM₁₀ Non-attainment Area which use a cyclone or other mechanical separating device and which have a Baseline Emission Rate (BER) of three (3) metric tons or more of particulate matter. Affected sources for this facility are identified by asterisk * in Condition 3 and include emission units AIR-1 (devices PB-3, PB-4 and PB-5), and AIR-3 (devices K-4 and PW-10A). [LRAPA 32-060] The particulate matter emissions shall be measured in accordance with Condition 45.
18. The permittee shall use only sanderdust, natural gas and/or propane fuels in emissions units MEC-1, MEC-2, MEC-3 and MEC-4. [LRAPA 34-060(5)]
19. Particulate matter (PM) from the entire particleboard facility, emission unit BPR-1 (MEC-1, MEC-2, MEC-3, MEC-4, Press-1, Press-2, AIR-1, AIR-2, AIR-3, and AIR-4), excluding the truck dumps (emissions unit MH-1), storage areas (emissions unit MH-1), and roads (emissions unit RD-1), shall not exceed 3.0 pounds per 1000 square feet (MSF) of particleboard produced on a ¾" basis of finished product equivalent based on a maximum production rate of 291 per 8-hour period on a ¾" finished product basis. The short-term maximum production shall not exceed 36,375 ft²/hr on a ¾" finished basis. [LRAPA 33-060(4)(D and E) and 34-060(5)] The particulate matter emissions shall be measured in accordance with Condition 45.
20. In addition to the limits and standards in Conditions 14 and 15, the permittee shall take corrective action to return to the highest reasonable efficiency and effectiveness, all air pollution control equipment and emission reduction processes deviating from emission/parameter action levels established in Condition 21 for the particle dryers and in Condition 14.a for emission units MH-1 and RD-1. **The exceedance of an emissions action level (EAL) shall not by itself be considered a violation of an emission limit in this permit.** [LRAPA 32-007] This condition is currently only enforceable by LRAPA but will become federally enforceable upon EPA approval of the SIP.
21. Parameter action levels (PAL) for each dryer control are established below. In addition to the monitoring required by Condition 42, the permittee shall perform hourly monitoring of each parameter action level and take corrective action when parameter action levels are exceeded to return the control device to within specified levels [40 CFR Part 64].
- 21.a. For emissions unit MEC-1, the following Wet ESP (PB-27) parameter action indicators shall be

monitored *at least once each hour* excluding flushing/cleaning cycles:

- 21.a.i. Inlet Gas Temperature: Wet ESP inlet gas temperature (after quench chamber) from MEC-1 dryer exhaust shall be maintained within the range of 80°F - 192°F. The temperature-monitoring device shall be operated, maintained, and calibrated in accordance with the manufacturer's written instructions. If the hourly average inlet temperature readings are consistently outside of this operating range for more than two (2) hours the permittee shall initiate corrective action.
- 21.a.ii. Precipitator Secondary Voltage (TR1 and TR2): The secondary voltage shall be maintained within the range of 15KV - 75KV. If the hourly average secondary voltage readings are consistently outside of this operating range for more than two (2) hours the permittee shall initiate corrective action.

In accordance with Condition 69.k, the permittee shall record in a log all inspections, parameter action level exceedances that continue for a period equal to or greater than the periods identified in 21.a.i and 21.a.ii, and the corrective action performed. [LRAPA 32-007] This condition is currently enforceable by LRAPA only but will become federally enforceable upon EPA approval of the SIP.

- 21.b. For emissions unit MEC-2, the Baghouse (PB-26) pressure drop, which is established as a parameter action indicator, shall be monitored *at least once per hour*. The pressure-drop monitoring device shall be operated, maintained, and calibrated in accordance with the manufacturer's written instructions. The MEC-2 Baghouse (PB-26) pressure drop shall be maintained in the range of 0.5 to 7 inches of water. If the hourly average pressure drop readings are consistently outside of this operating range for more than 24-hours the permittee shall initiate corrective action. In accordance with Condition 69.k, the permittee shall record in a log all inspections, parameter action level exceedances that continue for a period equal to or greater than 24-hours, and the corrective action performed. [LRAPA 32-007] This condition is currently enforceable by LRAPA only but will become federally enforceable upon EPA approval of the SIP.
- 21.c. For emissions units MEC-3 and MEC-4, the following parameter action indicators for WESP-3 and WESP-4 shall be monitored *at least once each hour*:
 - 21.c.i. Gas Inlet Temp: The inlet gas temperature to each WESP control device (ID#s WESP-3 and WESP-4) shall be maintained between 80°F and 200°F. If the hourly average inlet temperature readings are consistently outside of this operating range for more than two (2) hours the permittee shall initiate corrective action. The temperature monitoring devices shall be operated, maintained, and calibrated in accordance with the manufacturer's written instructions.
 - 21.c.ii. Precipitator Secondary Voltage (in kilowatts): The secondary voltage shall be maintained within the range of 15KV - 1200KV. If the hourly average secondary voltage readings are consistently outside of this operating range for more than two (2) hours the permittee shall initiate corrective action.

In accordance with Condition 69.k, the permittee shall record in a log all inspections, parameter action range exceedances that continue for a period equal to or greater than the periods identified in 21.c.i. and 21.c.ii., and the corrective action performed. [LRAPA 32-007] This condition is currently enforceable by LRAPA only but will become federally enforceable upon EPA approval of the SIP.

PCWP MACT Emission Limits, Standards and Requirements

- 22. **Applicable Requirement:** For emission units MEC-1 and MEC-2, the permittee shall demonstrate that each dryer processes furnish with an inlet moisture content of less than or equal to 30 percent (by weight, dry

basis) and operates with a dryer inlet temperature of less than or equal to 600°F. [40 CFR 63.2263]

22.a. The permittee shall designate and clearly identify each dry rotary dryer. [40 CFR 63.2263]

22.b. The permittee must report each instance in which the permittee did not meet each work practice requirement in Condition 22. These deviations must be reported according to the requirements in Conditions 70 through 74.g. [40 CFR 63.2271(b)]

22.c. **Wood moisture monitoring:** For each furnish moisture meter, the permittee shall meet the requirement in Conditions 22.c.i through 22.c.v below: [40 CFR 63.2269(c)]

22.c.i. The permittee shall, for dry rotary dryers, use a continuous moisture monitor with a minimum accuracy of 1 percent (dry basis) moisture or better in the 25 to 35 percent (dry basis) moisture content range. Alternatively, the permittee may use a continuous moisture monitor with a minimum accuracy of 5 percent (dry basis) moisture or better for dry rotary dryers used to dry furnish with less than 25 percent (dry basis) moisture. [40 CFR 63.2269(c) (1)]

22.c.ii. The permittee shall locate the moisture monitor in a position that provides a representative measure of furnish moisture. [40 CFR 63.2269(c)(2)]

22.c.iii. The permittee shall calibrate the moisture monitor based on the procedures specified by the moisture monitor manufacturer at least once per semiannual compliance period (or more frequently if recommended by the moisture monitor manufacturer). [40 CFR 63.2269(c)(3) and LRAPA 34-015]

22.c.iv. The permittee shall at least quarterly inspect all components of the moisture monitor for integrity and all electrical connections for continuity. [40 CFR 63.2269(c)(4) and LRAPA 34-015]

22.c.v. Use the following equation to convert percent moisture measurements wet basis to a dry basis: [40 CFR 63.2269(c)(5)]

$$MC_{dry} = [(MC_{wet}/100)/(1-(MC_{wet}/100))] \times 100$$

Where:

MC_{dry} = percent moisture content of wood material (wt%, dry basis);

MC_{wet} = percent moisture content of wood material (wt%, wet basis);

22.d. **Temperature Monitoring:** For each temperature monitoring device, the permittee must meet the requirements in Conditions 22.d.i through 22.d.vi. [40 CFR 63.2269(b)]

22.d.i. Locate the temperature sensor in a position that provides a representative temperature. [40 CFR 63.2269(b)(1)]

22.d.ii. Use a temperature sensor with a minimum accuracy of 4°F or 0.75 percent of the temperature value, whichever is larger. [40 CFR 63.2269(b)(2)]

22.d.iii. If a chart recorder is used, it must have a sensitivity with minor divisions not more than 20°F. [40 CFR 63.2269(b)(3)]

22.d.iv. Perform an electronic calibration at least once per semiannual compliance period according to the procedures in the manufacturer's owner's manual. Following the electronic calibration, the permittee must conduct a temperature sensor validation check in which a second or redundant temperature sensor placed nearby the process temperature sensor must yield a reading within 30°F of the process temperature sensor's reading. [40 CFR 63.2269(b)(4) and LRAPA 34-015]

- 22.d.v. Conduct calibration and validation checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor. [40 CFR 63.2269(b)(5)]
- 22.d.vi. At least quarterly, inspect all components for integrity and all electrical connections for continuity, oxidation, and galvanic corrosion. [40 CFR 63.2269(b)(5) and LRAPA 34-015]
23. **Applicable Requirement:** No later than October 1, 2008, the permittee shall install and operate an emissions control system (BF-1 herein referred to as "biofilter"). The biofilter shall be operated and maintained such that the resulting emissions from MEC-3, MEC-4 and Press 2 (vents PB 45.2 and PB 45.3) meet one of the compliance options in Conditions 23.a through 23.c from Table 1B (40 CFR 63 Subpart DDDD) and all applicable operating requirements in Table 2 to 40 CFR 63, subpart DDDD. [40 CFR 63.2240(b)]
- 23.a. **Add-on Control Systems Compliance Option 2 from Table 1B:** Limit emissions of total HAP, measured as THC (as carbon), to 20 ppmvd; or
- 23.b. **Add-on Control Systems Compliance Option 5 from Table 1B:** Reduce formaldehyde emissions by 90 percent; or
- 23.c. **Add-on Control Systems Compliance Option 6 from Table 1B:** Limit formaldehyde emissions to less than or equal to 1 ppmvd if uncontrolled formaldehyde emissions entering the control device are greater than or equal to 10 ppmvd.
- 23.d. **Initial Compliance Demonstration:** To demonstrate initial compliance with Conditions 23.a through 23.c the permittee must conduct performance tests for each condition concurrently and establish compliance with site-specific operating requirements established under Table 2, Row 3 for Conditions 23.a through 23.c no later than 180 days after October 1, 2008. [40 CFR 62.2260(a)]:
- 23.d.i. The permittee shall meet the requirements in 40 CFR 63.7(e)(1), the requirements of 40 CFR 63.2262(b) through (o) and according to the methods specified in Table 4 of 40 CFR 63, subpart DDDD in performing any performance test unless an alternative testing procedure is approved in advance. [40 CFR 63.2260(a) and 40 CFR 63.7(f)]
- 23.d.ii. The permittee must submit a written notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as specified in 40 CFR 63.7(b)(1). In the event the permittee is unable to conduct the performance test on the date specified in the notification due to unforeseeable circumstances beyond the permittee's control, the permittee must notify LRAPA as soon as practicable and without delay prior to the scheduled performance test date and specify the date when the performance test is rescheduled. This notification of delay in conducting the performance test does not relieve the permittee of legal responsibility for compliance with any other applicable provisions of 40 CFR Part 63 or with any other applicable Federal, State, or local requirement, nor will it prevent LRAPA from implementing or enforcing 40 CFR Part 63 or taking any other action under the Act. [40 CFR 63.7(b)(2)]
- 23.d.iii. If the permittee determines biofilter control system efficiency when complying with the compliance option in Condition 23.b based upon percent reduction across a control system in Table 1B, the permittee shall determine compliance with Table 1B through the use of the following equation: [40 CFR 63.2262(h)]

$$PR = CE \times ((ER_{in} - ER_{out}) / ER_{in}) \times 100$$

Where:

PR = percent reduction (%)

CE =capture efficiency (%) (assumed to be 100% for MEC-3 and MEC-4 and determined for Press-2 applicable vents as required in 40 CFR 63, subpart DDDD Table 4, row 9)

ER_{in} = emission rate of formaldehyde in the inlet vent stream of the control device (lb/hr)

ER_{out} = emission rate of formaldehyde in the outlet vent stream of the control device (lb/hr)

- 23.d.iv. The permittee must conduct performance tests under representative operating conditions which means the emissions unit shall be tested under conditions that the process unit will typically be operating in the future, including use of a representative range of materials and representative operating temperature range. The permittee shall describe representative operating test conditions in the permittee's performance test report for the process and control systems and explain why they are representative. [40 CFR 63.2262(b)(2)]
- 23.e. **Initial Compliance Demonstration Reporting:** The permittee must submit the Notification of Initial Compliance Status containing the results of the initial compliance demonstration before the close of business on the 60th calendar day following the completion of the performance test according to 40 CFR 63.10(d)(2). [40 CFR 63.10(d)(2)]
- 23.f. **Continuous Compliance Demonstration:** The permittee shall demonstrate continuous compliance with the compliance options and operating requirements by maintaining the 24-hour block biofilter bed temperature within the range established according to 63.2262(m). [40 CFR 63.2271]
- 23.f.i. The permittee shall determine the 24-hour block biofilter bed temperature after every 24 hours of operation by taking the average of all recorded readings, in the previous 24 hours. [40 CFR 63.2270(e)]
- 23.f.ii. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities, startups, shutdowns, malfunction and during times covered by the routine control device maintenance exemption are not to be included in the averaging calculations. [40 CFR 63.2270(b and c)]
- 23.f.iii. To calculate the data averages for each 24-hour averaging period, the permittee shall have at least 75 percent of the required recorded readings for that period using only recorded readings that are based on valid data (i.e., not from periods described in Condition 23.f.ii). [40 CFR 63.2270(f)]
- 23.f.iv. The permittee shall conduct a repeat performance test using the applicable methods specified in Conditions 23.d.i and 23.d.ii within 2 years following the previous performance test and within 180 days after each replacement of any portion of the biofilter media with a different type of media or each replacement of more than 50 percent (by volume) of the biofilter bed media with the same type of media. Compliance shall be determined by calculating percent reduction using the formula in Condition 23.d.iii or other applicable compliance option from 23.a or 23.c [Table 7, Row 3 of 40 CFR 63 Subpart DDDD]
- 23.f.v. The permittee shall develop a Startup, Shutdown and Malfunction Plan (SSM Plan) compliant with the requirements of 40 CFR 63 Subpart A. [40 CFR 63.6(e)(3)]
- 23.f.vi. The permittee must report each instance in which the permittee did not meet each compliance option and operating requirement in Table 7 that applies. This includes

periods of startup, shutdown, and malfunction and periods of control device maintenance specified in Conditions 23.f.vi.A through 23.f.vi.C. These instances are deviations from the compliance options, operating requirements, and work practice requirements in the NESHAP. These deviations must be reported according to the requirements in Conditions 70 through 74.g. [40 CFR 63.2271(b)]

- 23.f.vi.A. During periods of startup, shutdown, and malfunction, the permittee must operate in accordance with the SSM Plan. [40 CFR 63.2271(b)(1)]
 - 23.f.vi.B. Deviations that occur during a period of startup, shutdown, or malfunction are not violations if the permittee demonstrates to LRAPA's satisfaction that the permittee was operating in accordance with the requirements of 40 CFR 63.6(e)(1). LRAPA will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in 40 CFR 63.6(e). [40 CFR 63.2271(b)(2)]
 - 23.f.vi.C. Deviations that occur during periods of control device maintenance covered by any approved routine control device maintenance exemption are not violations if the permittee demonstrates to LRAPA's satisfaction that the permittee was operating in accordance with the approved routine control device maintenance exemption. The routine control device maintenance exemption must not exceed 3 percent of annual operating uptime for each process unit controlled. [40 CFR 63.2271(b)(3) and 40 CFR 63.2251(b)(3)]
- 23.g. **Continuous Compliance Demonstration Reporting:** The permittee shall certify compliance with the requirements of Condition 23 as part of each semi-annual compliance certification. [40 CFR 63.2271 and 40 CFR 63.2281]
- 23.g.i. This report must include identification of each instance in which the permittee did not meet each compliance option and operating requirement in Table 7 of Subpart DDDD that applies to the facility. This includes periods of startup, shutdown and malfunctions and periods of control device maintenance. [40 CFR 63.2271(b)]
 - 23.g.ii. The permittee shall report to LRAPA by fax or by telephone within two (2) working days after starting actions inconsistent with the SSM Plan. [40 CFR 63.10(d)(5)(ii)]
 - 23.g.iii. The permittee shall follow a written follow-up report with LRAPA within seven (7) days after the end of any SSM event where actions were taken inconsistent with the SSM Plan unless LRAPA has authorized alternative arrangements. [40 CFR 63.10(d)(5)(ii)]
- 23.h. **Temperature Monitoring:** For each temperature monitoring device, the permittee must meet the requirements in Conditions 23.h.i through 23.h.vi. [40 CFR 63.2269(b)]
- 23.h.i. Locate the temperature sensor in a position that provides a representative temperature. [40 CFR 63.2269(b)(1)]
 - 23.h.ii. Use a temperature sensor with a minimum accuracy of 4°F or 0.75 percent of the temperature value, whichever is larger. [40 CFR 63.2269(b)(2)]
 - 23.h.iii. If a chart recorder is used, it must have a sensitivity with minor divisions not more than 20°F. [40 CFR 63.2269(b)(3)]
 - 23.h.iv. Perform an electronic calibration at least semiannually according to the procedures in the manufacturer's owner's manual. Following the electronic calibration, the permittee must conduct a temperature sensor validation check in which a second or redundant temperature sensor placed nearby the process temperature sensor must yield a reading within 30°F of the process temperature sensor's reading. [40 CFR 63.2269(b)(4)]
 - 23.h.v. Conduct calibration and validation checks any time the sensor exceeds the

manufacturer's specified maximum operating temperature range or install a new temperature sensor. [40 CFR 63.2269(b)(5)]

- 23.h.vi. At least quarterly, inspect all components for integrity and all electrical connections for continuity, oxidation, and galvanic corrosion. [40 CFR 63.2269(b)(5)]
- 23.i. **Notice:** The permittee must notify LRAPA and the EPA within 30 days before taking any of the actions specified below: [40 CFR 63.2280(g)]
 - 23.i.i. The permittee modifies or replaces the control system for any process unit subject to the compliance options and operating requirements in 40 CFR Part 63, Subpart DDDD. [40 CFR 63.2280(g)(1)]
 - 23.i.ii. The permittee changes a continuous monitoring parameter or the value or range of values of a continuous monitoring parameter for any process unit or control device. [40 CFR 63.2280(g)(3)]

PCWP Miscellaneous Coating Operation Requirements

- 24. **Applicable Requirement:** The permittee shall use only "non-HAP coatings" as defined in 40 CFR 63.2292 for all group 1 miscellaneous coating operations. [40 CFR 63 Subpart DDDD Table 3, Row 5]
 - 24.a. **Continuous Compliance:** The permittee shall continue to use non-HAP coatings and keep records showing that the permittee is using non-HAP coatings. [40 CFR 63 Subpart DDDD Table 8, Row 5]

Emissions Limits And Standards That Apply To Insignificant Activities

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Requirements	
				Method	Condition Number
32-010(1B)	25	Visible Emissions (VE)	20% opacity, 3 minutes in 60 minutes	Inspection and Maintenance (I&M) Recordkeeping	46
32-015(2)	26	PM/PM ₁₀	0.1 gr/dscf	I&M Recordkeeping	46
32-030	27	PM/PM ₁₀	0.1 gr/dscf	I&M Recordkeeping	46

- 25. The permittee shall not cause or allow the emissions of any air contaminant into the atmosphere for a period or periods aggregating more than three (3) minutes in any one (1) hour which is equal to or greater than 20% opacity, excluding uncombined water, from any insignificant source. [LRAPA 32-010(1)(B)] Monitoring shall be performed in accordance with Condition 46. In the event visible emissions testing is required, visible emissions shall be measured in accordance with Condition 31.
- 26. The permittee shall not cause or allow the emission of particulate matter in excess of 0.1 grains per standard cubic foot (gr/dscf) from any non-fugitive insignificant air contaminant source, other than fuel and refuse burning equipment. [LRAPA 32-015(2)] Monitoring shall be performed in accordance with Condition 46. In the event testing is required, particulate matter emissions shall be measured in accordance with Condition 31.

27. The permittee shall not cause or allow the emission of particulate matter in excess of 0.1 grains per standard cubic foot (gr/dscf), corrected to 12% CO₂ or 50% excess air, from any fuel and refuse burning equipment that are categorically insignificant activities, or any activity included in the aggregate insignificant emissions. [LRAPA 32-030] Monitoring shall be performed in accordance with Condition 46. In the event testing is required, particulate matter emissions shall be measured in accordance with Condition 31.

PLANT SITE EMISSION LIMITS (PSELS)

28. The daily plant site emissions (pounds per day) shall not exceed the following: [LRAPA 34-060 (4 and 5)]

Pollutant	PSEL (lb/day)
PM	1945.7
PM ₁₀	1858.1
SO ₂	3.8
NO _x	6217.2
CO	3611.5
VOC	5,561.3
Lead	0.1028

29. The plant site emissions must not exceed the following limits for any 12 consecutive calendar month period: [LRAPA 34-060(4 and 5)]

Pollutant	Plant Site Emission Limit (tons/yr)	Unassigned Emissions (tons/yr)	Emission Reduction Credit (tons/yr)
PM	220.1	21.5	0
PM ₁₀	211.6	0.7	0
SO ₂	0.6	0	0
NO _x	361.3	1.3	0
CO	284.1	0.2	0
VOC	315.2	1.9	0
Lead	0.0066	0.0007	0

- 29.a. The permittee may only use Unassigned Emissions after any necessary construction (OAR 340-218-0190) and permit revision applications (OAR 340-218-0120 through 340-218-0180) have been approved by LRAPA.

GENERAL TESTING REQUIREMENTS [OAR 340-212-0130 and 340-218-0050(3)(a)]

30. Unless otherwise specified in this permit, the permittee shall conduct all testing in accordance with the ODEQ's *Source Sampling Manual*. [OAR 340-212-0120]
- 30.a. Only regular operating staff may adjust the processes or emission control device parameters during a compliance source test and within two (2) hours prior to the tests. Any operating adjustments made during a compliance source test, which are a result of consultation during the tests with source testing personnel, equipment vendors, or consultants, may render the source test invalid.
 - 30.b. Unless otherwise specified by permit condition (e.g. Condition 23.d.iv) or LRAPA approved source test plan, all compliance source tests must be performed as follows:
 - 30.b.i. At least 90% of the design capacity for new or modified equipment;
 - 30.b.ii. At least 90% of the maximum operating rate for existing equipment; or
 - 30.b.iii. At 90 to 110% of the normal maximum operating rate for existing equipment. For purposes of this permit, the normal maximum operating rate is defined as the 90th percentile of the average hourly operating rates during a 12 month period immediately preceding the source test. Data supporting the normal maximum operating rate must be included with the source test report.
 - 30.c. Each source test shall consist of at least three (3) test runs and the emissions results shall be reported as the arithmetic average of all valid test runs. There shall be at least two (2) valid test runs for a source test to be accepted.
 - 30.d. A source test report shall be submitted to LRAPA within 60 days of completing the source test, unless otherwise approved by LRAPA.
31. If source testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods and averaging times to measure the pollutant emissions:

Permit Condition	Test Method	Averaging Time	Special Conditions
25	Modified EPA Method 9 in accordance with DEQ's <i>Source Sampling Manual</i>	Aggregate of 3 minutes in any 60-minute period	Each Method 9 observation shall represent a period of 15 seconds for the purpose of determining the aggregate amount of time in a 60-minute period that the visible emissions are greater than the opacity limit. The test duration may be less than 60 minutes if a violation of the standard is documented before the full 60-minute observation period is completed.
26 & 27	ODEQ Methods 5, 7, or 8	Average of 3 1-hour test runs	ODEQ Method 8 is for sources with exhaust gases at essentially ambient conditions (e.g., material handling cyclones); ODEQ Method 7 is for direct contact combustion sources (e.g., particle and veneer dryers); ODEQ Method 5 is for indirect contact fuel burning equipment (e.g., boilers) and any other source.

MONITORING REQUIREMENTS [OAR 340-218-0050(3)(a)]

Facility-wide Monitoring:

32. The permittee shall maintain the following records for each day of operation and year-to-date totals on the last day of each month for each facility:
 - 32.a. Particleboard production on a 3/4" gross basis out of press(es) and 3/4" finished basis [gross press footage x (1 - waste factor)] basis.
33. The permittee shall record in a log the date, time, and action taken for all I&M activities listed in Conditions 5 and 6.
34. The permittee shall maintain a log recording all written complaints or complaints received via telephone or facsimile by the responsible official or a designated appointee that specifically refer to complaint of odor, fugitive emissions, particulate matter fallout on the property of another person masking/concealment of emissions from the permitted facility for monitoring pertaining to Conditions 5, 6, 7, 8, 9, and 10. Said log shall also record permittee's actions to investigate, make a determination as to the validity of the complaint, and resolve the problem within two (2) working days of receiving the complaint or within such longer time (not to exceed five (5) working days) as is reasonably necessary. If more than five (5) days are needed to resolve the problem, the permittee shall notify LRAPA immediately upon receipt of the information.
35. The permittee shall maintain records of air pollution episodes and emission reduction actions taken, recorded in a maintenance log for monitoring pertaining to Condition 11.

Emissions Unit Monitoring:

36. The permittee shall monitor visible emissions from emissions units BLR-1, MEC-1, MEC-2, MEC-3, MEC-4, Press-1, Press-2, AIR-1, AIR-2, AIR-3, AIR-4, RD-1, and MH-1 in accordance with the following procedures, test methods, and frequencies: [OAR 340-218-0050(3) 40 CFR Part 64 CAM]
 - 36.a. EPA Reference Method 9 shall be used to determine opacity in accordance with ODEQ's *Source Sampling Manual*. Prior notification and a pre-test plan are not required to be submitted to LRAPA for each test or survey conducted. Each observation period shall be a minimum of six (6) minutes unless any one reading is greater than the emissions limit for the emissions unit, then the observation period shall be a minimum of 60 minutes or until a violation of the emissions standard has been documented; whichever is a shorter period.
 - 36.b. Visible emissions testing, using EPA Reference Method 9, may be waived for emission units BLR-1, MEC-3, MEC-4, Press-1, Press-2, MH-1, RD-1, AIR-1, AIR-2, AIR-3, and AIR-4 provided both of the following conditions are met:
 - 36.b.i. The permittee shall conduct a six (6) minute visible emission survey of each emissions unit using EPA Reference Method 22.
 - 36.b.ii. If visible emissions, excluding condensed water vapor, from an individual monitoring point are detected for more than 5% (18 secs) of the survey time, EPA Method 9 shall be conducted on that monitoring point in accordance with this condition within 24 hours.
 - 36.c. The permittee shall use the following monitoring schedule for conducting the visible emissions tests and/or surveys required by this condition:
 - 36.c.i. The initial monitoring frequency for performing visible emission tests and/or surveys shall be:
 - 36.c.i.A. Once per calendar day for emissions units MEC-1, MEC-2, MEC-3, MEC-4 and

Press-2 (PB-45.2 & 45.3).

- 36.c.i.B. Once per calendar month for emissions units BLR-1 AIR-1, AIR-2, AIR-3, AIR-4, Press-1, Press-2 (PB-45.5 & 45.6) MH-1, and RD-1.
 - 36.c.ii. If the surveys and/or observations conducted during six (6) consecutive weeks of operation for emission units specified in 36.c.i.A show opacity within the applicable limits specified in Condition 14, the surveys and/or observations need only be done once per week.
 - 36.c.iii. If the surveys and/or observations conducted during four (4) consecutive months of operation for emission units specified in Condition 36.c.i.B show opacity within the applicable limits specified in Condition 14, the surveys and/or observations need only be done once per quarter.
 - 36.c.iv. If an exceedance occurs, the surveys and/or observations for the exceeding monitoring point will start over with either daily or monthly surveys and/or observations according to the monitoring frequencies specified in Condition 36.c.i.
 - 36.d. All visible emissions tests and surveys shall be conducted during operating conditions that have the potential to create visible emissions (e.g., during loading and/or unloading activities).
 - 36.e. If the observer is unable to conduct the survey and/or Method 9 tests due to visual interferences caused by other visible emissions sources (e.g., fugitive emissions during high wind conditions) or due to weather conditions such as fog, heavy rain, or snow, the observer shall note such conditions on the data observation sheet and make at least three (3) attempts to conduct the surveys and/or tests at approximately two-hour intervals throughout the day. The permittee shall attempt to make the observations daily until a valid observation period is completed.
37. The permittee shall monitor particulate matter emissions from emissions units MEC-1, MEC-2, MEC-3, MEC-4, Press-1, and Press-2 as follows:
- 37.a. Particulate matter concentration (gr/dscf) and mass (lb/hr) emissions shall be determined in accordance with Condition 60. Each particulate matter source test shall consist of the average of three (3) one-hour test runs. Opacity shall be measured concurrently using EPA Reference Method 9.
38. For emission units AIR-1, AIR-2, AIR-3, and AIR-4, the periodic visible emission surveys and/or tests as specified in Condition 36 and the I&M recordkeeping specified in Condition 44 may be used instead of measuring the particulate emission concentration. In the event that a particulate emissions concentration test is conducted, the emissions shall be determined by ODEQ Method 8 in accordance with the ODEQ's *Source Sampling Manual*. Each Method 8 source test shall consist of the average of three (3) one-hour test runs.

Compliance Assurance Monitoring:

39. *At least daily* when operating, the permittee shall monitor each baghouse pressure drop in AIR-1, AIR-2, AIR-3, AIR-4, and PC-1 and initiate corrective action if the pressure drop exceeds the following range in inches of water: [CAM – 40 CFR Part 64]

Baghouse ID	Pressure Drop Range (inches of water)
Press-2, 45.2	0.1-2.5
Press-2, 45.3	0.1 – 2.5
MEC-2, PB-26	0.5 – 5.5
AIR-1, PB-1	0.2 – 2.0
AIR-1, PB-3	0.2 – 3.5
AIR-1, PB-4	0.5 – 3.5
AIR-1, PB-5	0.5 – 3.5
AIR-1, PB-6	0.5 – 4.0
AIR-1, PB-7-8	0.5 – 3.0
AIR-2, PB-38	0.5 – 5.0
AIR-3, K-1	0.5 – 5.0
AIR-3, K-2	0.5 – 5.0
AIR 3, K-3	0.5 – 5.0
AIR 3, K-4	0.5-5.0
AIR-3, PB-42	0.5 – 3.5
AIR-3, PW-10A	0.5 – 3.5
AIR-4, PB-50	0.1 – 2.0
AIR-4, PB-51	0.1 – 6.0
AIR-4, PB-52	0.5 – 6.0
AIR-4, PB-53	0.5 – 5.0
AIR-4, PB-54	0.1 – 2.0
AIR-4, PB-55	0.5 – 5.0
AIR-4, PB-56	0.5- 5.0
AIR-4, PB-57	0.5 – 4.0
AIR-4, PB-58	0.5 – 3.0
AIR-4, PB-59	0.5 – 5.5

Baghouse ID	Pressure Drop Range (inches of water)
AIR-4, PB-60	0.5 – 5.5
AIR-4, PB-61	0.5 – 3.5
AIR-4, PB-62	0.5 – 3.0
MH-1, PB-64	0.5 – 3.0
PC-1, PV-1	0.5- 5.0
PC-1, PV-2	0.5-8.0
PC-1, PV-3	0.5 – 5.0

- 39.a. A deviation from the approved baghouse pressure drop ranges shall not by itself be considered a violation of the particulate matter concentration limit or opacity standard in this permit.
40. For the periodic visible emission surveys and/or tests for emission units MH-1 and RD-1 as specified in Condition 36, the I&M recordkeeping specified in Condition 33 may be used instead of measuring the particulate emission concentration.
41. The permittee shall monitor the types of fuels burned in each of the dryers by keeping daily and annual (for each 12 consecutive month period) records of each type of fuel and quantity burned in each emissions unit.
42. Once each day, the permittee shall perform an external inspection, and repair, if necessary, the control devices on the particle dryers. In addition, the MEC-1 wet ESP, MEC-3 WESP-3, and MEC-4 WESP-4 controls shall be inspected internally once each month for wear, plugging, abrasion, and integrity of mechanical and electrical systems. MEC-2 baghouse controls shall be inspected internally once each month for wear, plugging, abrasion, and integrity of mechanical and ancillary systems. In accordance with Condition 69.k, the permittee shall record in a log all inspections and the corrective action performed.
43. The permittee shall record in a log any changes to motors, fans, and/or ductwork to air conveyance emissions units AIR-1, AIR-2, AIR-3, and AIR-4.
44. Once each month for emissions units AIR-1, AIR-2, AIR-3, and AIR-4, the permittee shall inspect the baghouses for wear, plugging, abrasion, and integrity of mechanical and ancillary systems. Document the inspections and log any necessary maintenance in accordance with Condition 69.b.
45. The permittee shall use the monitoring and calculations procedures specified in Conditions 47, 49, 50, 51 and 53 to calculate the daily PM emissions from emissions units MEC-1, MEC-2, MEC-3, MEC-4, Press-1, Press-2, AIR-1, AIR-2, AIR-3, and AIR-4 once each day of operations.
- 45.a. The emission factors used in the equations shall initially be those that are listed in Condition 57.
- 45.b. The emissions factors shall be updated on a device basis whenever a source test is conducted as required by Conditions 37 and 60. Updated emission factors shall be incorporated into the permit by administrative amendment.
- 45.c. As an alternative to daily calculations, the permittee may establish maximum production rates that, if not exceeded, would ensure that the emissions limitations are not being exceeded. If the permittee

uses this option, the daily inspection log shall include a record of the average hourly production rates for each day of operation. Maximum production rates, if established, shall be incorporated into the permit by administrative amendment. In addition, the permittee shall be capable of calculating emissions in accordance with this condition at any time upon request from LRAPA.

Insignificant Activities Monitoring:

46. Once during each semi-annual reporting period, the permittee shall inspect (walk through) the facility to determine whether categorically insignificant activities are in compliance with all applicable requirements (Conditions 25, 26 and 27 of this permit). The permittee shall record in a log the results of this inspection.

Plant Site Emissions Limits Monitoring:

47. The permittee shall monitor and maintain records of the following material and process parameters:

Material or Process Parameter	Emissions Unit(s)	Pollutant(s)	Measurement Technique	Monitoring Frequency	Calculation Condition
Fuel Usage	BLR-1	PM, PM ₁₀ , VOC, NO _x , and CO	Logbook	Daily total	48
<u>Board Production:</u> Gross and finish board production on a 3/4" basis (1000 ft ² and 1000 ft ³)	Press-1, Press-2, RHA-1	PM, PM ₁₀ , VOC	Pressed board size and # of press loads	Daily Total	49
<u>Plant Process Rates:</u> Mass of wood through dryers (tons/hr)	MEC-1, MEC-2, MEC-3, MEC-4,	PM, PM ₁₀ , VOC	screw conveyors	Daily Total	50 and 51
<u>Fuel Usage:</u> Quantity of each fuel type used by each emissions unit per day	MEC-1, MEC-2, MEC-3, MEC-4,	NO _x , SO _x , CO and Pb	Logbook, Data Logger	Daily Total	52 and 53
Watering, covering, sweeping, handling and/or maintenance of raw material piles	MH-1	PM, PM ₁₀ and VOC	Finished Particleboard 3/4" basis, Logbook	Daily Total Per Activity	54
Air Conveyance System	AIR-1, AIR-2, AIR-3, AIR-4	PM, PM ₁₀	Logbook of modifications	Per Activity	56
Watering, covering, sweeping, and/or maintenance of unpaved roads	RD-1	PM, PM ₁₀	Finished particleboard 3/4" basis, Logbook for frequency	Daily Total Per Activity	55

Assumptions: Particleboard Production Day = 6:30 AM - 6:30 AM,
 Compliance with the Daily PSEL is based on previous production day.
 WF = Waste factor (12-month rolling average of monthly percent waste)

MC = Moisture Content (Hourly average of previous day furnish/dryer)
 BD = Dry Bulk Density:
 Sawdust = 12 lbs/ft³
 Sanderdust = 20.5 lbs/ft³

48. The daily and annual emissions of PM, PM₁₀, VOC, NO_x, CO, and SO_x for emissions unit BLR-1 shall be calculated as follows:

$$E = \sum EF_{NG} * NG$$

where:

E = Pollutant emission (lbs/day or lbs/year);
 EF_{NG} = Pollutant emission factors for natural gas (the emission factors are listed in Condition 57 of this permit); and
 NG = Natural gas use (in MM BTU/day or MM BTU/year as calculated in Condition 47).

49. The daily and annual emissions of PM, PM₁₀, VOC, and CO for emissions units Press-1 and Press 2 and VOC for RHA-1 shall be calculated as follows:

$$E = \sum EF_i * P_i$$

where:

E = Pollutant emissions (lbs/day or lbs/year);
 EF_i = Emissions factor for each unit (Press-1, Press-2, RHA-1). The emission factors are listed in Condition 57; and
 P_i = MSF finished 3/4" product for each press (emission units Press-1 and Press-2), as calculated in Conditions 49.a (daily) and 49.b (annual).

- 49.a. Daily P_i is calculated as follows:

$$\text{Daily } P_i = G_i * (1 - WF)$$

where:

G_i = Daily MSF gross production on 3/4" for each emission unit i (Press-1, Press-2) per Condition 69.g; and
 WF = Waste factor for total particleboard production (Press-1 and Press-2 combined) in percentage. The waste factor is calculated/updated monthly using a 12-month rolling average per Condition 69.h.

- 49.b. Annual P_i = Actual annual MSF 3/4" finished production from annual report as specified in Condition 72.d.

50. The mass throughputs of the particle dryers emission units MEC-1, MEC-2, MEC-3, and MEC-4 shall be calculated as follows:

- 50.a. The daily mass throughput (bone dry tons) for emission MEC-1 shall be calculated as follows:

$$M_d = W * (1 - M.C.) * BDT/2000$$

where:

- M_d = Daily mass throughput of wood furnish in bone dry tons through emission unit MEC-1;
- W = Pounds of green furnish to emission unit MEC-1 as measured by the conveyor 465 screw speed; and

where:

- W = $MX + B$;
- M = 345.2;
- x = Percent of screw speed (0-100);
- B = 5,431.5; and
- $M.C.$ = Average moisture content from previous days readings.

50.b. The annual mass throughput for emissions unit MEC-1 shall be calculated as follows:

$$M_a = \sum M_d$$

where:

- M_a = Sum of the daily mass throughputs for each day of the 12-month rolling period for emission unit MEC-1; and
- M_d = Daily mass throughput of wood furnish for emission unit MEC-1, as calculated in Condition 50.a.

50.c. The daily mass throughputs of wood furnish for emissions units MEC-2, MEC-3, and MEC-4 shall be calculated as follows:

$$M_i = SR_i * SF_i * BD_i * BDT/2000$$

where:

- M_i = Daily mass throughput of wood furnish in bone dry tons for emission units i (MEC-2, MEC-3, MEC-4);
- SR_i = Screw revolutions for each emissions unit i dryer screw conveyors in revolutions per day;
- SF_i = Screw factor for each emissions unit i for each dryer screw conveyor in cubic feet per revolution; and
- BD_i = Bulk density on a dry basis is 12 bone dry pounds/cubic feet for each emission unit.

50.d. The annual mass throughputs of wood furnish for emission units MEC-2, MEC-3, and MEC-4 shall be calculated as follows:

$$M_{ai} = \sum M_i$$

where:

- M_{ai} = Sum of the daily mass throughputs (M_i) for each day of the 12-month rolling period for each emission unit i (MEC-2, MEC-3, MEC-4), as calculated in Condition 50.c; and

M_i = Daily mass throughputs of wood furnish for emission units i, as calculated in Condition 50.c.

51. The daily and annual emission of PM, PM₁₀, and VOC for each particle dryer emission units MEC-1, MEC-2, MEC-3, and MEC-4 shall be calculated as follows:

$$E = \sum EF_i * M_i$$

where:

E = Pollutant emissions (lbs/day or lbs/year);
 EF_i = Pollutant emission factor for each emission unit i (the emission factors are listed in Condition 57 of this permit); and
 M_i = Material throughput associated with each emission unit i, as calculated in Condition 50.

52. The daily and annual fuel use for each dryer (MEC-1, MEC-2, MEC-3, MEC-4 shall be calculated as follows:

- 52.a. Daily natural gas usage shall be calculated as follows:

$$NG_{di} = MR_i \cdot MMBTU/10 \text{ therms}$$

where:

NG_{di} = Daily natural gas usage for emission unit i, in MMBTU; and
 MR_i = Daily meter reading of natural gas use for each emission unit i, in therms per Condition 69.j.

- 52.b. Annual natural gas usage shall be calculated as follows:

$$NG_{ai} = \sum NG_{di}$$

where:

NG_{ai} = Sum of daily natural gas usage for each emission unit i for each operating day of the 12-month rolling period; and
 NG_{di} = Daily natural gas usage for each emission unit i, as calculated in Condition 52.a.

- 52.c. Daily propane (LPG) usage shall be calculated as follows:

$$LPG_{di} = MR_i \cdot 90500 \text{ BTU's/GAL} \cdot MMBTU/10^6 \text{ BTUs}$$

where:

LPG_{di} = Daily propane usage for emission unit i in MMBTU; and
 MR_i = Daily meter reading of propane use for each emission unit i (in gallons per Condition 69.j).

- 52.d. Annual propane (LPG) usage shall be calculated as follows:

$$LPG_{ai} = \sum LPG_{di}$$

where:

LPG_{ai} = Sum of daily propane usage for each emission unit i for each operating day of

the 12-month rolling period; and

LPG_{di} = Daily propane usage for each emission unit i as calculated in Condition 52.c.

52.e. Daily sanderdust usage shall be calculated as follows:

$$SD_{di} = SR_i * SF_i * BD_i * HHV * BDT/2000 \text{ BD\#s}$$

where:

SD_{di} = Daily sanderdust fuel use for each emission unit i, in MMBTU per Condition 69.j;

SR_i = Screw Revolutions for each emission unit i sanderdust screw conveyor, in revolutions per day;

SF_i = Screw Factor for each emission unit i sanderdust screw conveyor, in cubic feet per revolution (ft^3/rev);

BD_i = Dry Bulk Density constant for each emission unit i equal to 20.5 bone dry pounds per cubic foot (average); and

HHV = High Heating Value for sanderdust equal to 18 MMBTU per bone dry ton.

52.f. Annual sanderdust usage shall be calculated as follows:

$$SD_{ai} = \sum SD_{di}$$

where:

SD_{ai} = Sum of daily sanderdust usage for each emission unit i for each operating day of the 12-month rolling period; and

SD_{di} = Daily sanderdust usage for each emission unit i as calculated in Condition 52.e.

53. The daily and annual emissions of NO_x , SO_x , CO, and Pb (lead) for each dryer shall be calculated as follows:

$$E = \sum (EF_{ngi} * NG_i) + (EF_{sdi} * SD_i) + (EF_{lpgi} * LPG_i)$$

where:

E = Pollutant emissions (lbs/day, or lbs/year);

EF_{ngi} = Pollutant emission factors for natural gas for emission unit i (the emission factors are listed in Condition 57 of this permit);

NG_i = Natural gas use for each emission unit i, in MMBTU/day or MMBTU/year as calculated in Condition 52;

EF_{sdi} = Pollutant emission factor for sanderdust for emission unit i (the emission factors are listed in Condition 57 of this permit);

SD_i = Sanderdust use for each emission unit i, in MMBTU/day or MMBTU/year as calculated in Condition 52;

EF_{lpgi} = Pollutant emission factors for propane gas for emission unit i (the emission factors are listed in Condition 57 of this permit); and

LPG_i = Propane use for each emission unit i, in MMBTU/day or MMBTU/year as calculated in Condition 52.

54. Daily and annual pollutant emissions of PM, PM₁₀, and VOC from emission unit MH-1 shall be calculated using the following formula:

$$E = \sum ((MSF^{3/4}/R) * EF_{eui} * \%FT)$$

where:

- E = Pollutant emissions (lb/day, or lb/yr);
MSF^(3/4) = Thousand Square Feet on a 3/4 finished basis (MSF/day or MSF/yr) per Conditions 69.f or 72.d;;
R = Recovery constant = MSF^(3/4)/MBDT furnish = 0.68;
EF_{eui} = Emission factor for each emissions unit i (MH-1) (the emission factors are listed in Condition 57 of this permit); and
%FT = % Furnish Type = 0.50 for sawdust and 0.50 for shaving.

55. Daily and annual pollutant emissions of PM and PM₁₀ from emission unit RD-1 shall be calculated using the following formula:

$$E = \sum ((MSF^{3/4}/R) * EF_{eui})$$

where:

- E = Pollutant emissions (lbs/day, or lbs/yr);
MSF^(3/4) = Thousand Square Feet on a 3/4 finished basis (MSF/day of MSF/yr) per Conditions 69.f or 69.g;
R = Recovery constant = MSF^(3/4)/MBDT furnish = 0.68;
EF_{eui} = Emission factor for each emissions unit i (RD-1) (the emission factors are listed in Condition 57 of this permit).

56. Daily and annual pollutant emissions of PM and PM₁₀ from emission units AIR-1, AIR-2, AIR-3, and AIR-4 shall be calculated using the following formula:

$$E = EF_{eui}$$

where:

- E = Pollutant emissions (lbs/day, or lbs/year);
EF_{eui} = Pollutant emission factor for each emissions unit i, (the emission factors are listed in Condition 57 of this permit).

57. The following emission factors shall be used for calculating daily and annual emissions as specified in Conditions 48, 49, 51, 53, 54, 55 and 56:

Emissions Unit	Pollutant	Fuel Type Or Device	Emission Factor*		Units	Emission Factor Verification Testing	
			Daily	Annual		Yes/No	Method
BLR-1	PM/PM ₁₀	Natural Gas	0.007/0.007	0.007/0.007	lb/MM BTU Natural Gas	No	NA
	SO ₂	Natural Gas	0.0007	0.0006	lb/MM BTU Natural Gas	No	NA
	NO _x	Natural Gas	0.26	0.130	lb/MM BTU Natural Gas	No	NA
	VOC	Natural Gas	0.01	0.005	lb/MM BTU Natural Gas	No	NA
	CO	Natural Gas	0.29	0.15	lb/MM BTU Natural Gas	No	NA
MEC-1	PM/PM ₁₀	Furnish	0.32/0.32	0.32/0.32	lb/BDT of furnish	Yes	ODEQ Method 7
	SO ₂	Sanderdust Natural Gas Propane (LPG)	0.0013 0.0007 0.0204	0.0011 0.0006 0.017	lb/MMBtu SD lb/MMBtu NG lb/MMBtu LPG	No	NA
	NO _x	Sanderdust Natural Gas Propane (LPG)	3.0 0.14 0.22	1.5 0.12 0.18	lb/MMBtu SD lb/MMBtu NG lb/MMBtu LPG	Yes (Sanderdust)	EPA Method 7 or 7e
	VOC	Furnish	0.96	0.48	lb/BDT of furnish	Yes	EPA Method 25A expressed "as propane", plus formaldehyde and methanol

Emissions Unit	Pollutant	Fuel Type Or Device	Emission Factor*		Units	Emission Factor Verification Testing	
			Daily	Annual		Yes/No	Method
	CO	Sanderdust	2.98	1.49	lb/MMBtu	Yes (Sander dust)	EPA Method 10
		Natural Gas	0.85	0.5	SD		
	Pb	Propane (LPG)	0.85	0.5	lb/MMBtu	No	NA
		Sanderdust	4.1E ⁻⁵	3.4E ⁻⁵	SD		
	PM/PM ₁₀	Natural Gas	0.0	0.0	lb/MMBtu	No	NA
		Propane (LPG)	0.0	0.0	NG		
	SO ₂	Sanderdust	0.0013	0.0011	lb/MMBtu	No	NA
		Natural Gas	0.0007	0.0006	SD		
	NO _x	Propane (LPG)	0.0204	0.017	lb/MMBtu	Yes (Sander dust)	EPA Method 7 or 7e
		Sanderdust	2.1	1.5	SD		
	VOC	Natural Gas	0.24	0.12	lb/MMBtu	Yes (Sander dust)	EPA Method 25A expressed "as propane", plus formaldehyde and methanol
		Propane (LPG)	0.22	0.18	NG		
	CO	Sanderdust	2.53	1.49	lb/MMBtu	Yes (Sander dust)	EPA Method 10
		Natural Gas	1.0	0.5	SD		
	Pb	Propane (LPG)	0.85	0.5	lb/MMBtu	No	NA
		Sanderdust	4.1E ⁻⁵	3.4E ⁻⁵	SD		
	MEC-2	Natural Gas	0.0	0.0	lb/MMBtu	No	NA
		Propane (LPG)	0.0	0.0	NG		
	Furnish	Sanderdust	0.13/0.13	0.13/0.13	lb/BDT of furnish	Yes (Sander dust)	EPA Method 25A expressed "as propane", plus formaldehyde and methanol
		Natural Gas	0.0	0.0	SD		
	SO ₂	Propane (LPG)	0.0204	0.017	lb/MMBtu	No	NA
		Sanderdust	0.0013	0.0011	SD		
	NO _x	Natural Gas	0.0007	0.0006	lb/MMBtu	Yes (Sander dust)	EPA Method 7 or 7e
		Propane (LPG)	0.0204	0.017	NG		
	VOC	Sanderdust	0.61	0.31	lb/BDT of furnish	Yes (Sander dust)	EPA Method 25A expressed "as propane", plus formaldehyde and methanol
		Natural Gas	0.0	0.0	SD		
	CO	Propane (LPG)	0.85	0.5	lb/MMBtu	Yes (Sander dust)	EPA Method 10
		Sanderdust	2.53	1.49	SD		
	Pb	Natural Gas	0.0	0.0	lb/MMBtu	No	NA
		Propane (LPG)	0.0	0.0	NG		
	MEC-2	Sanderdust	0.13/0.13	0.13/0.13	lb/BDT of furnish	No	NA
		Natural Gas	0.0	0.0	SD		
	SO ₂	Propane (LPG)	0.0204	0.017	lb/MMBtu	No	NA
		Sanderdust	0.0013	0.0011	SD		
	NO _x	Natural Gas	0.0007	0.0006	lb/MMBtu	Yes (Sander dust)	EPA Method 7 or 7e
		Propane (LPG)	0.0204	0.017	NG		
	VOC	Sanderdust	0.61	0.31	lb/BDT of furnish	Yes (Sander dust)	EPA Method 25A expressed "as propane", plus formaldehyde and methanol
		Natural Gas	0.0	0.0	SD		
	CO	Propane (LPG)	0.85	0.5	lb/MMBtu	Yes (Sander dust)	EPA Method 10
		Sanderdust	2.53	1.49	SD		
	Pb	Natural Gas	0.0	0.0	lb/MMBtu	No	NA
		Propane (LPG)	0.0	0.0	NG		

Emissions Unit	Pollutant	Fuel Type Or Device	Emission Factor*		Units	Emission Factor Verification Testing	
			Daily	Annual		Yes/No	Method
MEC-3	PM/PM ₁₀	Furnish	1.31/1.31	1.31/1.31	lb/BDT of furnish	Yes	ODEQ Method 7
	SO ₂	Sanderdust Natural Gas Propane (LPG)	0.0013 0.0007 0.0204	0.0011 0.0006 0.017	lb/MMBtu SD lb/MMBtu NG lb/MMBtu LPG	No	NA
	NO _x	Sanderdust Natural Gas Propane (LPG)	3.0 0.14 0.22	1.5 0.12 0.18	lb/MMBtu SD lb/MMBtu NG lb/MMBtu LPG	Yes (Sander dust)	EPA Method 7 or 7e
	VOC (normal operation)	Furnish	1.3	0.67	lb/BDT furnish	Yes****	EPA Method 25A expressed "as propane", plus formaldehyde and methanol
	VOC (RCDME)	Furnish	1.5	0.75	lb/BDT furnish	No	NA
	CO	Sanderdust Natural Gas Propane (LPG)	1.10 0.50	0.55 0.50	lb/MMBtu SD lb/MMBtu NG lb/MMBtu LPG	Yes (Sander dust)	EPA Method 10
	Pb	Sanderdust Natural Gas Propane (LPG)	4.1E ⁻⁵ 0.0 0.0	3.4E ⁻⁵ 0.0 0.0	lb/MMBtu SD lb/MMBtu NG lb/MMBtu LPG	No	NA
MEC-4	PM/PM ₁₀	Furnish	1.31/1.31	1.31/1.31	lb/BDT of furnish	Yes	ODEQ Method 7

Emissions Unit	Pollutant	Fuel Type Or Device	Emission Factor*		Units	Emission Factor Verification Testing	
			Daily	Annual		Yes/No	Method
	SO ₂	Sanderdust Natural Gas Propane (LPG)	0.0013 0.0007 0.0204	0.0011 0.0006 0.017	lb/MMBtu SD lb/MMBtu NG lb/MMBtu LPG	No	NA
	NO _x	Sanderdust Natural Gas Propane (LPG)	3.0 0.14 0.22	1.5 0.12 0.18	lb/MMBtu SD lb/MMBtu NG lb/MMBtu LPG	Yes (Sander dust)	EPA Method 7 or 7e
	VOC (normal operation)	Furnish	1.3	0.67	lb/BDT of furnish	Yes****	EPA Method 25A expressed "as propane", plus formaldehyde and methanol
	VOC (RCDME)	Furnish	1.5	0.75	lb/BDT furnish	No	NA
	CO	Sanderdust Natural Gas Propane (LPG)	0.68 0.50	0.34 0.50	lb/MMBtu SD lb/MMBtu NG lb/MMBtu LPG	Yes (Sander dust)	EPA Method 10
	Pb	Sanderdust Natural Gas Propane (LPG)	4.1E ⁻⁵ 0.0 0.0	3.4E ⁻⁵ 0.0 0.0	lb/MMBtu SD lb/MMBtu NG lb/MMBT U LPG	No	NA
Press-1	PM/PM ₁₀	Vent PB-44.2 Vent PB-44.3 Cooler Vent PB-44.4	1.02/1.02	1.02/1.02	lb/MSF¾ finished	Yes	ODEQ Method 8
	VOC	Vent PB-44.2 Vent PB-44.3 Cooler Vent PB-44.4	2.89	1.44	lb/MSF¾ finished	Yes	EPA Method 25A expressed "as propane", plus formaldehyde and methanol"
	CO	Vent PB-44.2 Vent PB-44.3 Cooler Vent PB-44.4	0.11	0.051	lb/MSF¾ finished	No	NA

Emissions Unit	Pollutant	Fuel Type Or Device	Emission Factor*		Units	Emission Factor Verification Testing	
			Daily	Annual		Yes/No	Method
Press-2	PM/PM ₁₀	Vent PB-45.2 Vent PB-45.3 Cooler Vents PB-45.5 PB-45.6	0.64/0.64	0.64/0.64	lb/MSF¾ finished	Yes	ODEQ Method 8
	VOC (normal operation)	Vent PB-45.2 Vent PB-45.3 Cooler Vents PB-45.5 PB-45.6	3.08	1.54	lb/MSF¾ finished	Yes***	EPA Method 25A expressed "as propane", plus formaldehyde and methanol
	VOC (RCDME)	Vent PB-45.2 Vent PB-45.3 Cooler Vents PB-45.5 PB-45.6	3.39	1.69	lb/MSF¾ finished	No	NA
	CO	Vent PB-45.2 Vent PB-45.3 Cooler Vents PB-45.5 PB-45.6	0.0372	0.02	lb/MSF¾ finished	No	NA
RHA-1 **	VOC	Presses	0.28	0.14	lb/MSF¾ finished	No	NA
AIR-1	PM/PM ₁₀	Baghouses	31.1/29.6	3.2/3.2	lb/day ton/yr	Yes	ODEQ Method 8
AIR-2	PM/PM ₁₀	Baghouses	0.74/0.74	0.1/0.1	lb/day ton/yr	Yes	ODEQ Method 8
AIR-3	PM/PM ₁₀	Baghouses	54.9/55.0	5.6/5.6	lb/day ton/yr	Yes	ODEQ Method 8
AIR-4	PM/PM ₁₀	Baghouses	50.7/51.1	4.7/4.7	lb/day ton/yr	Yes	ODEQ Method 8
MH-1	PM/PM ₁₀	Raw Material Handling	0.024/0.0084	0.02/0.007	lb/BDT material	No	NA
	VOC	Raw Material Handling & Storage	0.70	0.35	lb/BDT material	No	NA
	VOC	Green Sawdust	0.28	0.14	lb/BDT material	No	NA

Emissions Unit	Pollutant	Fuel Type Or Device	Emission Factor*		Units	Emission Factor Verification Testing	
			Daily	Annual		Yes/No	Method
			VOC	Green Shavings		0.14	0.07
RD-1	PM/PM ₁₀	None - Unpaved Roads	0.024/0.008	0.02/0.007	lb/BDT material	No	NA

- * The emission factors highlighted in bold are ones that the permittee will verify sometime during the permit term in accordance with Condition 61. The slash (/) between numbers in the table separate the PM emission factor from the PM₁₀ emission factor.
- ** The VOC emission factor for RHA-1 shall be verified if the concentration of free formaldehyde in the particleboard resin increases.
- *** These VOC emission factor verification tests shall be performed at the exhaust stack of final control device at least once in conjunction with the testing required by Condition 23.d.

58. Plant site daily and annual (12-month rolling) emissions shall be determined as follows for each pollutant:
 - 58.a. Daily emissions are determined by summing the results of Conditions 48, 49, 51, 53, 54, 55, and 56.
 - 58.b. Annual emissions are determined by summing the results of Conditions 48, 49, 51, 53, 54, 55, and 56.
59. The permittee shall maintain an electronic data collection system that tracks all emission unit plant site emissions that comprise the facility-wide daily PSEL. The electronic data collection system shall perform the calculations required in Condition 58 and perform the summation. The system shall be available for inspection by LRAPA personnel.
60. The particleboard facility emission unit BPR-1 daily PM emissions shall be determined by summing the results of Conditions 49, 51, and 56 (excluding emissions unit PC-1) for PM.
61. The permittee shall conduct an emission factor verification test in accordance with ODEQ's *Source Sampling Manual* for each emission factor listed in Condition 57 that is marked in bold and with an asterisk at least once during the permit term using the following test methods:
 - EPA Method 3 shall be used for air flows in AIR-1, AIR-2, AIR-3, and AIR-4.
 - ODEQ Method 7 (front and back half) shall be used for PM emissions from dryers.
 - ODEQ Method 8 shall be used for PM emissions from each board cooler and press vents.
 - EPA Method 10 shall be used for CO.
 - EPA Method 7 or 7e shall be used for NO_x.
 - EPA Method 25A shall be used for VOC from press vents and particle dryers. The results of each test shall be reported "as propane". Methanol and formaldehyde are to be measured separately and concurrently to verify their contribution to the total VOC emissions Mass emissions from EPA Method 25A (as propane), methanol and formaldehyde will be summed to determine total VOC mass emissions.

- 61.a. The permittee may use the results of any other testing required by this permit to satisfy the emission factor verification test requirements.
- 61.b. The permittee shall submit a summary of all emission factor verification tests to LRAPA within 60 days of any test, unless otherwise approved by the LRAPA. The summary shall include the following information:
 - 61.b.i. Emissions unit identification;
 - 61.b.ii. Emission results in pounds per hour and emission factor(s) as shown in Condition 57;
 - 61.b.iii. Process parameters during the test (e.g. fuel type, furnish throughput, and/or square feet of board produced on a 3/4" finished basis); and
 - 61.b.iv. Control device operating parameters.
- 62. The emissions factors listed in Condition 57 of this permit are not enforceable limits except as used in Condition 45. As stated in Condition 45, the emission factors shall be revised based on new source tests for the purpose of assuring compliance with the board products limit (3.0 lb/MSF). However, for purposes of assuring compliance with the PSEL, the permittee shall use only those factors listed in Condition 57. Any tests conducted solely to confirm the validity of emission factors shall not be used to determine compliance with the Daily and Annual Plant Site Emission Limits in Conditions 28 and 29 respectively, unless otherwise specified in this permit. Compliance with PSELs shall only be determined by the calculations contained in Conditions 49 through 56 of this permit using the measured material or process parameters in Condition 47 during the reporting period and the emissions factors listed in Condition 57.

General Monitoring Requirements

- 63. The permittee must not knowingly render inaccurate any required monitoring device or method. [OAR 340-218-0050(3)(a)(E)]
- 64. Methods used to determine actual emissions for fee purposes must also be used for compliance determination and can be no less rigorous than the requirements of OAR 340-218-0080. [OAR 340-218-0050(3)(a)(F)]
- 65. Monitoring requirements must commence on the date of permit issuance unless otherwise specified in the permit or an applicable requirement. [OAR 340-218-0050(3)(a)(G)]

RECORDKEEPING REQUIREMENTS [OAR 340-218-0050(3)(b)]

General Recordkeeping Requirements

- 66. As applicable, the permittee shall maintain the following general records of required monitoring information:
 - 66.a. Date, place as defined in the permit, and time of sampling or measurements;
 - 66.b. Date(s) analyses were performed;
 - 66.c. Company or entity that performed the analyses;
 - 66.d. Analytical techniques or methods used;

- 66.e. Results of such analyses;
 - 66.f. Operating conditions as existing at the time of sampling or measurement; and
 - 66.g. Records of quality assurance for source testing methods.
67. Unless otherwise specified, 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 calibration and maintenance records and all original strip-chart recordings (or other original data) for continuous monitoring instrumentation and copies of all reports required by the permit. [OAR 340-218-0050(b)(B)]
68. Recordkeeping requirements shall commence on the date of permit issuance unless otherwise specified in the permit or applicable requirement. [OAR 340-218-0050(3)(b)(C)]

Specific Recordkeeping Requirements

69. The permittee shall maintain the following specific records of required monitoring information:
- 69.a. Semi-annual facility inspection logs;
 - 69.b. Log of modifications to motors, fans, and ductwork of air conveyance systems
 - 69.c. Inspection and maintenance logs for fugitive emissions control, PM_{>250} microns, concealment and masking;
 - 69.d. Results of all visible emissions surveys and/or Method 9 tests;
 - 69.e. Complaint and investigation log for nuisance conditions;
 - 69.f. Finished particleboard production each day (1000 ft², 3/4" basis);
 - 69.g. Gross particleboard production through the presses for each operating day (1000 ft² 3/4" basis);
 - 69.h. Rolling 12-month average waste factor for particleboard production;
 - 69.i. Mass of wood through each dryer each day;
 - 69.j. Fuel type and quantity of each type of fuel burned in each emissions unit each day; and
 - 69.k. Log of all inspections, parameter action level exceedances and corrective action for all particle dryers control devices.

REPORTING REQUIREMENTS [OAR 340-218-0050(3)(c) and 340-218-0080]

Semi-annual and Annual Reports

70. The permittee shall submit three (3) copies of the semi-annual monitoring report, covering the period January 1 to June 30, using LRAPA-approved forms, by August 30 unless otherwise approved in writing by LRAPA. Two (2) copies of the report shall be submitted to LRAPA and one (1) copy to the EPA. The semi-annual monitoring report shall include the semi-annual compliance certification.
71. The permittee shall submit three (3) copies of the annual monitoring report, covering the period January 1 to December 31, using LRAPA-approved forms, by March 15. Two (2) copies of the report shall be submitted to LRAPA and one (1) copy to the EPA.
72. The annual monitoring report shall include the following information in addition to the information requested on the LRAPA-approved forms (all annual totals shall be 12-month rolling totals):
 - 72.a. Emission fee report (OAR 340-220-0100);
 - 72.b. Excess emissions upset log (LRAPA 36-025);
 - 72.c. Second semi-annual compliance certification covering the period from July 1 to December 31 (OAR 340-218-0080);
 - 72.d. Annual finished particleboard production (1000 ft², ¾" basis);
 - 72.e. Annual gross particleboard production through the presses (1000 ft² ¾" basis);
 - 72.f. Annual mass of wood furnish through the dryers; and
 - 72.g. Annual use of each type of fuel burned in each dryer.
73. The permittee shall submit the following additional reports and/or information to LRAPA as required by specific conditions within the permit:
 - 73.a. Source test plans/notifications prior to all required tests except Method 9 tests; and
 - 73.b. Emission factor verification test summaries 60 days after completing the test, unless otherwise approved by LRAPA.
74. The semi-annual compliance certification shall include the following (provided that the identification of applicable information may cross-reference the permit or previous reports, as applicable): [OAR 340-218-0080(6)(c)]
 - 74.a. The identification of each term or condition of the permit that is the basis of the certification;
 - 74.b. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period, and whether such methods or other means provide continuous or intermittent data. Such methods and other means shall include, at a minimum, the methods and means required under OAR 340-218-0050(3). *NOTE: Certification of compliance with the monitoring conditions in the permit is sufficient to meet this requirement, except when the permittee must certify compliance with new applicable conditions that are incorporated by reference. When certifying compliance with new applicable conditions that are incorporated by reference, the permittee must provide the information required by this condition. If necessary, the owner or operator also shall identify any other material information that must be included in the certification to comply with Section*

113(c)(2) of the FCAA, which prohibits knowingly making a false certification or omitting material information;

- 74.c. The status of compliance with terms and conditions of the permit for the period covered by the certification, based on the method or means designated in OAR 340-218-0040(6)(c)(B). The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance, as defined under OAR 340-200-0020, occurred; and
- 74.d. Such other facts as LRAPA may require to determine the compliance status of the source.
- 74.e. Notwithstanding any other provision contained in any applicable requirement, the owner or operator may use monitoring as required under OAR 340-218-00500(3) and incorporated into the permit, in addition to any specified compliance methods, for the purpose of submitting compliance certifications. [OAR 340-218-0080(6)(e)]
- 74.f. Number of CAM parameter excursions and corrective action.
- 74.g. A PCWP MACT compliance report addressing the emission units subject to 40 CFR 63, Subpart DDDD (MEC-1, MEC-2, MEC-3, MEC-4, Press-2 vents PB45.2 and PB45.3, and non-HAP coating requirements) and meeting the requirements of 40 CFR 63.2281(c). [40 CFR 63.2281(a)]

General Reporting Requirements

75. Excess Emissions Reporting [LRAPA 36-001 through 36-030]

- 75.a. The permittee shall report all excess emissions in accordance with LRAPA 36-001 through 36-030. In summary, the permittee shall immediately (i.e., as soon as possible but in no case more than one hour after the beginning of the excess emission period) notify LRAPA by telephone or in person of any excess emission, other than pre-approved startup, shutdown, or scheduled maintenance. Notification shall, to the extent reasonably ascertainable at the time of notification, include the source name, nature of the emissions problem, name of the person making the report, name and telephone number of the contact person for further information, date and time of the onset of the upset condition, whether or not the incident was planned, the cause of the excess emission (e.g., startup, shutdown, maintenance, breakdown, or other), equipment involved in the upset, estimated type and quantity of excess emissions, estimated time of return to normal operations, efforts made to minimize emissions, and a description of remedial actions to be taken. Follow-up reporting shall be made in accordance with LRAPA direction and OAR 340-214-0330(2) and LRAPA 36-025
- 75.b. Notification shall be made to LRAPA. The current LRAPA telephone number is 541-736-1056.
- 75.c. In the event of any excess emissions which are of a nature that could endanger public health and occur during non-business hours, weekends, or holidays, the permittee shall immediately notify LRAPA and call the Oregon Emergency Response System (OERs). The current number is 1-800-452-0311.
- 75.d. If startups, shutdowns, or scheduled maintenance may result in excess emissions, the permittee shall submit startup, shutdown, or scheduled maintenance procedures used to minimize excess emissions to LRAPA for prior authorization, as required in LRAPA 36-010 and LRAPA 36-015. New or modified procedures shall be received by LRAPA in writing at least 72 hours prior to the first occurrence of the excess emission event. The permittee shall abide by the approved procedures and have a copy available at all times.
- 75.e. The permittee shall notify LRAPA of planned startup/shutdown or scheduled maintenance events only if required by permit condition or if the source is located in a nonattainment area for a

pollutant which may be emitted in excess of applicable standards.

- 75.f. The permittee shall maintain and submit to LRAPA a log of planned and unplanned excess emissions, on LRAPA- approved forms, in accordance with LRAPA 36-025.
76. Permit Deviation Reporting: The permittee shall promptly report deviations from permit requirements that do not cause excess emissions, including those attributable to upset conditions, as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken. "Prompt" is defined in OAR 340-218-0050(3)(c)(B). Deviations that cause excess emissions, as specified in LRAPA 36-001 through 36-030 shall be reported in accordance with LRAPA 36-025. [OAR 340-218-00500(3)(c)(B)]
77. The permittee shall submit any required source test report within 60 days after the source test; unless otherwise approved in the source test plan. [OAR 340-218-0050(3)(c)(C) and LRAPA 34-070]
78. All required reports shall be certified by a responsible official consistent with OAR 340-218-0040(5). [OAR 340-218-0050(3)(c)(D)]
79. Reporting requirements must commence on the date of permit issuance unless otherwise specified in the permit. [OAR 340-218-0050(3)(c)(E)]

Addresses of regulatory agencies are the following (unless otherwise instructed):

LRAPA
1010 Main Street
Springfield, OR 97477
Telephone: (541) 736-1056

Air Compliance Division
US Environmental Protection Agency
1200 Sixth Avenue, AWT-107
Seattle, WA 98101
Telephone: (206) 553-4273

Max/cmw
9/30/08

GENERAL CONDITIONS

G1. General Provision

Terms not otherwise defined in this permit have the meaning assigned to such terms in the referenced regulation.

G2. Reference Materials

Where referenced in this permit, the versions of the following materials are effective as of the dates noted unless otherwise specified in this permit:

- a. *Source Sampling Manual*; January 23, 1992 - State Implementation Plan Volume 3, Appendix A4;
- b. *Continuous Monitoring Manual*; January 23, 1992 - State Implementation Plan Volume 3, Appendix A6; and
- c. All state and federal regulations as in effect on the date of issuance of this permit.

G3. Compliance [OAR 340-218-0040(3)(n)(C), 340-218-0050(6), and 340-218-0080(4)]

- a. The permittee must comply with all conditions of this permit. Any permit condition noncompliance constitutes a violation of the Federal Clean Air Act and/or state rules and is grounds for enforcement action; for permit termination, revocation and re-issuance, or modification; or for denial of a permit renewal application. Any noncompliance with a permit condition specifically designated as enforceable only by the state constitutes a violation of state rules only and is grounds for enforcement action; for permit termination, revocation and re-issuance, or modification; or for denial of a permit renewal application.
- b. Any schedule of compliance for applicable requirements with which the source is not in compliance at the time of permit issuance is supplemental to, and does not sanction noncompliance with the applicable requirements on which it is based.
- c. For applicable requirements that will become effective during the permit term, the source must meet such requirements on a timely basis unless a more detailed schedule is expressly required by the applicable requirement.

G4. Masking Emissions:

The permittee must not install or use any device or other means designed to mask the emission of an air contaminant that causes or is likely to cause detriment to health, safety, or welfare of any person or otherwise violate any other regulation or requirement. [OAR 340-208-0400]

G5. Credible Evidence:

Notwithstanding any other provisions contained in any applicable requirement, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any such applicable requirements. [OAR 340-214-0120]

G6. Certification [OAR 340-214-0110, 340-218-0040(5), 340-218-0050(3)(c)(D), and 340-218-0080(2)]

Any document submitted to LRAPA or EPA pursuant to this permit must contain certification by a responsible official of truth, accuracy and completeness. All certifications must state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and, complete. The permittee must promptly, upon discovery, report to LRAPA a material error or omission in these records, reports, plans, or other documents.

G7. Open Burning [OAR Chapter 340, Division 264]

The permittee is prohibited from conducting open burning, except as may be allowed by OAR 340-264-0020 through 340-264-0200.

G8. Asbestos [40 CFR Part 61, Subpart M (federally enforceable), OAR Chapter 340-248-0005 through 340-248-0180 (state-only enforceable) and 340-248-0205 through 340-248-0280]

The permittee must comply with OAR Chapter 340, Division 248, and 40 CFR Part 61, Subpart M when conducting any renovation or demolition activities at the facility.

G9. Stratospheric Ozone and Climate Protection [40 CFR 82 Subpart F, OAR 340-260-0040]

The permittee must comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, Recycling and Emissions Reduction.

G10. Permit Shield [OAR 340-218-0110]

- a. Compliance with the conditions of the permit is deemed compliance with any applicable requirements as of the date of permit issuance provided that:
 - i. Such applicable requirements are included and are specifically identified in the permit, or
 - ii. LRAPA, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.
- b. Nothing in this rule or in any federal operating permit alters or affects the following:
 - i. Provisions of ORS 468.115 (enforcement in cases of emergency) and ORS 468.035 (function of department);
 - ii. Liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
 - iii. Applicable requirements of the national acid rain program, consistent with Section 408(a) of the FCAA; or
 - iv. Ability of LRAPA to obtain information from a source pursuant to ORS 468.095 (investigatory authority, entry on premises, status of records).
- c. Sources are not shielded from applicable requirements that are enacted during the permit term, unless such applicable requirements are incorporated into the permit by administrative amendment, as provided in OAR 340-218-0150(1)(h), significant permit modification, or reopening for cause by LRAPA.

G11. Inspection and Entry [OAR 340-218-0080(3)]

Upon presentation of credentials and other documents as may be required by law, the permittee must allow the LRAPA, or an authorized representative (including an authorized contractor acting as a representative of the EPA Administrator), to perform the following:

- a. Enter upon the permittee's premises where an LRAPA Title V Operating Permit program source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

- b. Have access to and copy, at reasonable times, any records that must be kept under conditions of the permit;
- c. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- d. Sample or monitor, *as authorized by the FCAA or state rules*, at reasonable times, substances or parameters, for the purposes of assuring compliance with the permit or applicable requirements.

G12. Fee Payment [OAR 340-220-0010, and 340-220-0030 through 340-220-0190]

The permittee must pay an annual base fee and an annual emission fee for all regulated air pollutants except for carbon monoxide, any class I or class II substance subject to a standard promulgated under or established by Title VI of the Federal Clean Air Act, or any pollutant that is a regulated air pollutant solely because it is subject to a standard or regulation under Section 112(r) of the Federal Clean Air Act. The permittee must submit payment to the LRAPA, 1010 Main St, Springfield, OR 97477, within 30 days of the date LRAPA mails the fee invoice, or August 1 of the year following the calendar year for which emission fees are paid, whichever is later. Disputes must be submitted in writing to LRAPA. Payment must be made regardless of the dispute. User-based fees will be charged for specific activities (e.g., computer modeling review, ambient monitoring review, etc.) requested by the permittee.

G13. Off-Permit Changes to the Source [OAR 340-218-0140(2)]

- a. The permittee must monitor for, and record, any off-permit change to the source that:
 - i. is not addressed or prohibited by the permit;
 - ii. is not a Title I modification;
 - iii. is not subject to any requirements under Title IV of the FCAA;
 - iv. meets all applicable requirements;
 - v. does not violate any existing permit term or condition; and
 - vi. may result in emissions of regulated air pollutants subject to an applicable requirement but not otherwise regulated under this permit or may result in insignificant changes as defined in OAR 340-200-0020.
- b. A contemporaneous notification, if required under OAR 340-218-0140(2)(b), must be submitted to LRAPA and the EPA.
- c. The permittee must keep a record describing off-permit changes made at the facility that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those off-permit changes.
- d. The permit shield of Condition G10 does not extend to off-permit changes.

G14. Section 502(b)(10) Changes to the Source [OAR 340-218-0140(3)]

- a. The permittee must monitor for, and record, any Section 502(b)(10) change to the source, which is defined as a change that would contravene an express permit term but would not:
 - i. violate an applicable requirement;
 - ii. contravene a federally enforceable permit term or condition that is a monitoring, recordkeeping, reporting, or compliance certification requirement; or
 - iii. be a Title I modification.

- b. A minimum 7-day advance notification must be submitted to LRAPA and the EPA in accordance with OAR 340-218-0140(3)(b).
- c. The permit shield of Condition G10 does not extend to Section 502(b)(10) changes.

G15. Administrative Amendment [OAR 340-218-0150]

Administrative amendments to this permit must be requested and granted in accordance with OAR 340-218-0150. The permittee must promptly submit an application for the following types of administrative amendments upon becoming aware of the need for one, but no later than 60 days of such event:

- a. Legal change of the registered name of the company with the Corporations Division of the State of Oregon, or
- b. Sale or exchange of the activity or facility.

G16. Minor Permit Modification [OAR 340-218-0170]

The permittee must submit an application for a minor permit modification in accordance with OAR 340-218-0170.

G17. Significant Permit Modification [OAR 340-218-0180]

The permittee must submit an application for a significant permit modification in accordance with OAR 340-218-0180

G18. Staying Permit Conditions [OAR 340-218-0050(6)(c)]

Notwithstanding Conditions G16 and G17, the filing of a request by the permittee for a permit modification, revocation and re-issuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

G19. Construction/Operation Modification [OAR 340-218-0190]

The permittee must obtain approval from LRAPA prior to construction or modification of any stationary source or air pollution control equipment in accordance with OAR 340-210-0200 through OAR 340-210-0250.

G20. New Source Review Modification [OAR 340-224-0010]

The permittee may not begin construction of a major source or a major modification of any stationary source without having received an air contaminant discharge permit (ACDP) from LRAPA and having satisfied the requirements of OAR 340, Division 224.

G21. Need to Halt or Reduce Activity Not a Defense [OAR 340-218-0050(6)(b)]

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

G22. Duty to Provide Information [OAR 340-218-0050(6)(e) and OAR 340-214-0110]

The permittee must furnish to LRAPA, within a reasonable time, any information that LRAPA may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the permittee must also furnish to LRAPA copies of records required to be retained by the permit or, for information claimed to be confidential, the permittee may furnish such records to LRAPA along with a claim of confidentiality.

G23. Reopening for Cause [OAR 340-218-0050(6)(c) and 340-218-0200]

- a. The permit may be modified, revoked, reopened and reissued, or terminated for cause as determined by LRAPA.
- b. A permit must be reopened and revised under any of the circumstances listed in OAR 340-218-0200(1)(a).
- c. Proceedings to reopen and reissue a permit must follow the same procedures as apply to initial permit issuance and affect only those parts of the permit for which cause to reopen exists.

G24. Severability Clause [OAR 340-218-0050(5)]

Upon any administrative or judicial challenge, all the emission limits, specific and general conditions, monitoring, recordkeeping, and reporting requirements of this permit, except those being challenged, remain valid and must be complied with.

G25. Permit Renewal and Expiration [OAR 340-218-0040(1)(a)(D) and 340-218-0130]

- a. This permit expires at the end of its term, unless a timely and complete renewal application is submitted as described below. Permit expiration terminates the permittee's right to operate.
- b. Applications for renewal must be submitted at least 12 months before the expiration of this permit, unless LRAPA requests an earlier submittal. If more than 12 months is required to process a permit renewal application, LRAPA must provide no less than six (6) months for the owner or operator to prepare an application.
- c. Provided the permittee submits a timely and complete renewal application, this permit will remain in effect until final action has been taken on the renewal application to issue or deny the permit.

G26. Permit Transference [OAR 340-218-0150(1)(d)]

The permit is not transferable to any person except as provided in OAR 340-218-0150(1)(d).

G27. Property Rights [OAR 340-200-0020 and 340-218-0050(6)(d)]

The permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations, except as provided in OAR 340-218-0110.

G28. Permit Availability [OAR 340-200-0020 and 340-218-0120(2)]

The permittee must have available at the facility at all times a copy of the LRAPA Title V Operating Permit and must provide a copy of the permit to LRAPA or an authorized representative upon request.

ALL INQUIRIES SHOULD BE DIRECTED TO:

Lane Regional Air Protection Agency
1010 Main St.
Springfield, OR 97477
(541) 736-1056